

# Engineering Data

## **V8** Series VRF



MV8-252WV2RN1E(PRO)

MV8-560WV2RN1E(PRO)

MV8-280WV2RN1E(PRO)

MV8-615WV2RN1E(PRO)

MV8-335WV2RN1E(PRO)

MV8-670WV2RN1E(PRO)

MV8-400WV2RN1E(PRO)

MV8-730WV2RN1E(PRO)

MV8-450WV2RN1E(PRO)

MV8-785WV2RN1E(PRO)

MV8-500WV2RN1E(PRO)

MV8-850WV2RN1E(PRO)

MV8-900WV2RN1E(PRO)





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# Part 1

## General Information

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# V8 PRO VRF 50Hz



## 1 Indoor and Outdoor Unit Capacities

### 1.1 Indoor Units

#### 1.1.1 Standard indoor units

Table 1-1.1: Standard indoor unit abbreviation codes

| Abbreviation code | Type                        |
|-------------------|-----------------------------|
| Q1                | One-way Cassette            |
| Q2                | Two-way Cassette            |
| Q4C               | Compact Four-way Cassette   |
| Q4                | Four-way Cassette           |
| T3                | Arc Duct                    |
| T2                | Medium Static Pressure Duct |

| Abbreviation code | Type                               |
|-------------------|------------------------------------|
| T1                | High Static Pressure Duct          |
| G                 | Wall-mounted                       |
| DL                | Ceiling & Floor                    |
| F                 | Floor Standing (Exposed/Concealed) |
| FS                | Floor Standing                     |

Table 1-1.2: Standard indoor unit capacity range

| Capacity |      | Capacity index | Q1 | Q2 | Q4C | Q4  | T3  | T2  | T1  | G  | DL  | F  | FS  |
|----------|------|----------------|----|----|-----|-----|-----|-----|-----|----|-----|----|-----|
| kW       | HP   |                |    |    |     |     |     |     |     |    |     |    |     |
| 1.5      | 0.5  | 15             | —  | —  | 15  | —   | 15  | 15  | —   | —  | —   | —  | —   |
| 1.8      | 0.6  | 18             | 18 | —  | —   | —   | —   | —   | —   | —  | —   | —  | —   |
| 2.2      | 0.8  | 22             | 22 | 22 | 22  | —   | 22  | 22  | —   | 22 | —   | 22 | —   |
| 2.8      | 1    | 28             | 28 | 28 | 28  | 28  | 28  | 28  | —   | 28 | —   | 28 | —   |
| 3.6      | 1.25 | 36             | 36 | 36 | 36  | 36  | 36  | 36  | —   | 36 | 36  | 36 | —   |
| 4.5      | 1.6  | 45             | 45 | 45 | 45  | 45  | 45  | 45  | —   | 45 | 45  | 45 | —   |
| 5.6      | 2    | 56             | 56 | 56 | 56  | 56  | 56  | 56  | —   | 56 | 56  | 56 | —   |
| 6.3      | 2.25 | 63             | —  | —  | 63  | —   | —   | —   | —   | —  | —   | —  | —   |
| 7.1      | 2.5  | 71             | 71 | 71 | —   | 71  | 71  | 71  | 71  | 71 | 71  | 71 | —   |
| 8.0      | 3    | 80             | —  | —  | —   | 80  | 80  | 80  | 80  | 80 | 80  | 80 | —   |
| 9.0      | 3.2  | 90             | —  | —  | —   | 90  | 90  | 90  | 90  | 90 | 90  | —  | —   |
| 10.0     | 3.6  | 100            | —  | —  | —   | 100 | 100 | —   | —   | —  | —   | —  | —   |
| 11.2     | 4    | 112            | —  | —  | —   | 112 | 112 | 112 | 112 | —  | 112 | —  | —   |
| 12.5     | 4.5  | 125            | —  | —  | —   | —   | —   | 125 | —   | —  | —   | —  | —   |
| 14.0     | 5    | 140            | —  | —  | —   | 140 | —   | 140 | 140 | —  | 140 | —  | —   |
| 16.0     | 6    | 160            | —  | —  | —   | 160 | —   | 160 | 160 | —  | 160 | —  | —   |
| 20.0     | 7    | 200            | —  | —  | —   | —   | —   | —   | 200 | —  | —   | —  | —   |
| 22.4     | 8    | 224            | —  | —  | —   | —   | —   | —   | —   | —  | —   | —  | 224 |
| 25.0     | 9    | 250            | —  | —  | —   | —   | —   | —   | 250 | —  | —   | —  | —   |
| 28.0     | 10   | 280            | —  | —  | —   | —   | —   | —   | 280 | —  | —   | —  | 280 |
| 40.0     | 14   | 400            | —  | —  | —   | —   | —   | —   | 400 | —  | —   | —  | —   |
| 45.0     | 16   | 450            | —  | —  | —   | —   | —   | —   | 450 | —  | —   | —  | —   |
| 56.0     | 20   | 560            | —  | —  | —   | —   | —   | —   | 560 | —  | —   | —  | —   |

#### 1.1.2 Fresh air processing unit

Table 1-1.3: Fresh air processing unit capacity range

| Capacity       | 11.2kW | 12.5kW | 14kW | 20kW | 25kW | 28kW | 45kW | 56kW |
|----------------|--------|--------|------|------|------|------|------|------|
| Capacity index | 112    | 125    | 140  | 200  | 250  | 280  | 450  | 560  |

### 1.2 Heat recovery ventilator

Table 1-1.4: Heat recovery ventilator capacity range

| Airflow rate | 200m <sup>3</sup> /h | 300m <sup>3</sup> /h | 400m <sup>3</sup> /h | 500m <sup>3</sup> /h | 800m <sup>3</sup> /h | 1000m <sup>3</sup> /h | 1500m <sup>3</sup> /h | 2000m <sup>3</sup> /h |
|--------------|----------------------|----------------------|----------------------|----------------------|----------------------|-----------------------|-----------------------|-----------------------|
|--------------|----------------------|----------------------|----------------------|----------------------|----------------------|-----------------------|-----------------------|-----------------------|

### 1.3 Outdoor Units

Table 1-1.5: Outdoor unit capacity range

| Capacity | Model Name           | Combination Type |
|----------|----------------------|------------------|
| 8HP      | MV8-252WV2RN1E(PRO)  | /                |
| 10HP     | MV8-280WV2RN1E(PRO)  | /                |
| 12HP     | MV8-335WV2RN1E(PRO)  | /                |
| 14HP     | MV8-400WV2RN1E(PRO)  | /                |
| 16HP     | MV8-450WV2RN1E(PRO)  | /                |
| 18HP     | MV8-500WV2RN1E(PRO)  | /                |
| 20HP     | MV8-560WV2RN1E(PRO)  | /                |
| 22HP     | MV8-615WV2RN1E(PRO)  | /                |
| 24HP     | MV8-670WV2RN1E(PRO)  | /                |
| 26HP     | MV8-730WV2RN1E(PRO)  | /                |
| 28HP     | MV8-785WV2RN1E(PRO)  | /                |
| 30HP     | MV8-850WV2RN1E(PRO)  | /                |
| 32HP     | MV8-900WV2RN1E(PRO)  | /                |
| 34HP     | MV8-960WV2RN1E(PRO)  | 20HP+14HP        |
| 36HP     | MV8-1010WV2RN1E(PRO) | 20HP+16HP        |
| 38HP     | MV8-1070WV2RN1E(PRO) | 24HP+14HP        |
| 40HP     | MV8-1120WV2RN1E(PRO) | 24HP+16HP        |
| 42HP     | MV8-1170WV2RN1E(PRO) | 24HP+18HP        |
| 44HP     | MV8-1230WV2RN1E(PRO) | 22HP+22HP        |
| 46HP     | MV8-1285WV2RN1E(PRO) | 24HP+22HP        |
| 48HP     | MV8-1340WV2RN1E(PRO) | 24HP+24HP        |
| 50HP     | MV8-1400WV2RN1E(PRO) | 32HP+18HP        |
| 52HP     | MV8-1460WV2RN1E(PRO) | 32HP+20HP        |
| 54HP     | MV8-1515WV2RN1E(PRO) | 32HP+22HP        |
| 56HP     | MV8-1570WV2RN1E(PRO) | 32HP+24HP        |
| 58HP     | MV8-1630WV2RN1E(PRO) | 32HP+26HP        |
| 60HP     | MV8-1685WV2RN1E(PRO) | 32HP+28HP        |
| 62HP     | MV8-1750WV2RN1E(PRO) | 32HP+30HP        |
| 64HP     | MV8-1800WV2RN1E(PRO) | 32HP+32HP        |
| 66HP     | MV8-1860WV2RN1E(PRO) | 32HP+20HP+14HP   |
| 68HP     | MV8-1910WV2RN1E(PRO) | 32HP+20HP+16HP   |
| 70HP     | MV8-1970WV2RN1E(PRO) | 32HP+24HP+14HP   |
| 72HP     | MV8-2020WV2RN1E(PRO) | 32HP+24HP+16HP   |
| 74HP     | MV8-2070WV2RN1E(PRO) | 32HP+24HP+18HP   |
| 76HP     | MV8-2130WV2RN1E(PRO) | 32HP+22HP+22HP   |
| 78HP     | MV8-2185WV2RN1E(PRO) | 32HP+24HP+22HP   |
| 80HP     | MV8-2240WV2RN1E(PRO) | 32HP+24HP+24HP   |
| 82HP     | MV8-2300WV2RN1E(PRO) | 32HP+32HP+18HP   |
| 84HP     | MV8-2360WV2RN1E(PRO) | 32HP+32HP+20HP   |
| 86HP     | MV8-2415WV2RN1E(PRO) | 32HP+32HP+22HP   |
| 88HP     | MV8-2470WV2RN1E(PRO) | 32HP+32HP+24HP   |
| 90HP     | MV8-2530WV2RN1E(PRO) | 32HP+32HP+26HP   |
| 92HP     | MV8-2585WV2RN1E(PRO) | 32HP+32HP+28HP   |
| 94HP     | MV8-2650WV2RN1E(PRO) | 32HP+32HP+30HP   |
| 96HP     | MV8-2700WV2RN1E(PRO) | 32HP+32HP+32HP   |

Notes:

- The combinations of units shown in the table are factory-recommended. Four units combination are possible for the 8-24 HP models. For other combinations of units please contact your local distributor or technical support engineer.

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### 2 External Appearance

#### 2.1 Indoor Units

##### 2.1.1 Standard indoor units

Table 1-2.1: Standard indoor unit appearance

|                                                                                                                       |                                                                                                                          |
|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| One-way Cassette<br>Q1<br>           | Two-way Cassette<br>Q2<br>            |
| Compact Four-way Cassette<br>Q4C<br> | Four-way Cassette<br>Q4<br>           |
| Arc Duct<br>T3<br>                   | Medium Static Pressure Duct<br>T2<br> |
| High Static Pressure Duct<br>T1<br> | Floor Standing<br>FS<br>             |
| Wall-mounted<br>G<br>              | Ceiling & Floor<br>DL<br>           |
| Floor Standing<br>F<br>            |                                                                                                                          |

##### 2.1.2 Fresh air processing unit

Table 1-2.2: Fresh air processing unit appearance

|                                                                                                                        |                                                                                                                                             |
|------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Fresh Air Processing Unit<br>FA<br> | Small Airflow Rate Fresh Air Processing Unit<br>FA<br> |
|------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|

#### 2.2 Heat Recovery Ventilator

Table 1-2.3: Heat recovery ventilator appearance

|                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------|
| Heat Recovery Ventilator<br> |
|-----------------------------------------------------------------------------------------------------------------|

## 2.3 Outdoor Units

### 2.3.1 Single units

Table 1-2.4: Single outdoor unit appearance

| 8/10/12/14/16HP<br>(with single fan)                                              | 18/20/22/24HP<br>(with dual fans)                                                 | 26/28/30/32HP<br>(with dual fans)                                                   |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |

### 2.3.2 Combinations of units

Table 1-2.5: Combination outdoor unit appearance

| 34/36/38/40HP                                                                       | 42/44/46/48HP                                                                        | 50/52/54/56HP                                                                         |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|   |    |   |
| 58/60/62/64HP                                                                       | 66/68/70/72HP                                                                        | 74/76/78/80HP                                                                         |
|  |  |  |
| 82/84/86/88HP                                                                       | 90/92/94/96HP                                                                        |                                                                                       |
|  |  |                                                                                       |

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## 3 Outdoor Unit Combinations

Table 1-3.1: Outdoor unit combinations

| System capacity |    | No. of units | Modules <sup>1</sup> |    |    |    |    |    |    |    |    |    |    |    |     | Outdoor branch joint kit <sup>2</sup> |
|-----------------|----|--------------|----------------------|----|----|----|----|----|----|----|----|----|----|----|-----|---------------------------------------|
| kW              | HP |              | 8                    | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32  |                                       |
| 25.2            | 8  | 1            | •                    |    |    |    |    |    |    |    |    |    |    |    |     |                                       |
| 28.0            | 10 | 1            |                      | •  |    |    |    |    |    |    |    |    |    |    |     |                                       |
| 33.5            | 12 | 1            |                      |    | •  |    |    |    |    |    |    |    |    |    |     |                                       |
| 40.0            | 14 | 1            |                      |    |    | •  |    |    |    |    |    |    |    |    |     |                                       |
| 45.0            | 16 | 1            |                      |    |    |    | •  |    |    |    |    |    |    |    |     |                                       |
| 50.0            | 18 | 1            |                      |    |    |    |    | •  |    |    |    |    |    |    |     |                                       |
| 56.0            | 20 | 1            |                      |    |    |    |    |    | •  |    |    |    |    |    |     |                                       |
| 61.5            | 22 | 1            |                      |    |    |    |    |    |    | •  |    |    |    |    |     |                                       |
| 67.0            | 24 | 1            |                      |    |    |    |    |    |    |    | •  |    |    |    |     |                                       |
| 73.0            | 26 | 1            |                      |    |    |    |    |    |    |    |    | •  |    |    |     |                                       |
| 78.5            | 28 | 1            |                      |    |    |    |    |    |    |    |    |    | •  |    |     |                                       |
| 85.0            | 30 | 1            |                      |    |    |    |    |    |    |    |    |    |    | •  |     |                                       |
| 90.0            | 32 | 1            |                      |    |    |    |    |    |    |    |    |    |    |    | •   | FQZHW-02N1E                           |
| 96.0            | 34 | 2            |                      |    |    | •  |    |    | •  |    |    |    |    |    |     |                                       |
| 101.0           | 36 | 2            |                      |    |    |    | •  |    | •  |    |    |    |    |    |     |                                       |
| 107.0           | 38 | 2            |                      |    |    | •  |    |    |    |    | •  |    |    |    |     |                                       |
| 112.0           | 40 | 2            |                      |    |    |    | •  |    |    |    | •  |    |    |    |     |                                       |
| 117.0           | 42 | 2            |                      |    |    |    |    | •  |    |    | •  |    |    |    |     |                                       |
| 123.0           | 44 | 2            |                      |    |    |    |    |    |    | •• |    |    |    |    |     |                                       |
| 128.5           | 46 | 2            |                      |    |    |    |    |    |    | •  | •  |    |    |    |     |                                       |
| 134.0           | 48 | 2            |                      |    |    |    |    |    |    |    | •• |    |    |    |     |                                       |
| 140.0           | 50 | 2            |                      |    |    |    |    | •  |    |    |    |    |    |    | •   |                                       |
| 146.0           | 52 | 2            |                      |    |    |    |    |    | •  |    |    |    |    |    | •   |                                       |
| 151.5           | 54 | 2            |                      |    |    |    |    |    |    | •  |    |    |    |    | •   |                                       |
| 157.0           | 56 | 2            |                      |    |    |    |    |    |    |    | •  |    |    |    | •   | FQZHW-02N1G                           |
| 163.0           | 58 | 2            |                      |    |    |    |    |    |    |    |    | •  |    |    | •   |                                       |
| 168.5           | 60 | 2            |                      |    |    |    |    |    |    |    |    |    | •  |    | •   |                                       |
| 175.0           | 62 | 2            |                      |    |    |    |    |    |    |    |    |    |    | •  | •   |                                       |
| 180.0           | 64 | 2            |                      |    |    |    |    |    |    |    |    |    |    |    | ••  |                                       |
| 186.0           | 66 | 3            |                      |    |    | •  |    |    | •  |    |    |    |    |    | •   | FQZHW-03N1E                           |
| 191.0           | 68 | 3            |                      |    |    |    | •  |    | •  |    |    |    |    |    | •   |                                       |
| 197.0           | 70 | 3            |                      |    |    | •  |    |    |    |    | •  |    |    |    | •   |                                       |
| 202.0           | 72 | 3            |                      |    |    |    | •  |    |    |    | •  |    |    |    | •   |                                       |
| 207.0           | 74 | 3            |                      |    |    |    |    | •  |    |    | •  |    |    |    | •   |                                       |
| 213.0           | 76 | 3            |                      |    |    |    |    |    |    | •• |    |    |    |    | •   |                                       |
| 218.5           | 78 | 3            |                      |    |    |    |    |    |    | •  | •  |    |    |    | •   |                                       |
| 224.0           | 80 | 3            |                      |    |    |    |    |    |    |    | •• |    |    |    | •   |                                       |
| 230.0           | 82 | 3            |                      |    |    |    |    | •  |    |    |    |    |    |    | ••  |                                       |
| 236.0           | 84 | 3            |                      |    |    |    |    |    | •  |    |    |    |    |    | ••  |                                       |
| 241.5           | 86 | 3            |                      |    |    |    |    |    |    | •  |    |    |    |    | ••  |                                       |
| 247.0           | 88 | 3            |                      |    |    |    |    |    |    |    | •  |    |    |    | ••  |                                       |
| 253.0           | 90 | 3            |                      |    |    |    |    |    |    |    |    | •  |    |    | ••  |                                       |
| 258.5           | 92 | 3            |                      |    |    |    |    |    |    |    |    |    | •  |    | ••  |                                       |
| 265.0           | 94 | 3            |                      |    |    |    |    |    |    |    |    |    |    | •  | ••  |                                       |
| 270.0           | 96 | 3            |                      |    |    |    |    |    |    |    |    |    |    |    | ••• |                                       |

Notes:

1. The combinations of units shown in the table are factory-recommended. Four units combination are possible for the 8-24 HP models. For other combinations of units please contact your local distributor or technical support engineer.
2. For systems with two or more outdoor units, outdoor branch joints (sold separately) are required.



## 4 Nomenclature

### 4.1 Indoor Units

#### 4.1.1 Standard indoor units

##### V8 indoor units

**M**    **I**    **H**    **18**    **Q1**    **N18**  
 ①    ②    ③    ④    ⑤    ⑦

| Legend |      |                                                                                                                                                                                                                                                                                                                          |
|--------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| No.    | Code | Remarks                                                                                                                                                                                                                                                                                                                  |
| 1      | M    | Midea                                                                                                                                                                                                                                                                                                                    |
| 2      | I    | VRF indoor unit                                                                                                                                                                                                                                                                                                          |
| 3      | H    | Function code<br>H: HyperLink function                                                                                                                                                                                                                                                                                   |
| 4      | 22   | Capacity index (the capacity in kW multiplied by 10)                                                                                                                                                                                                                                                                     |
| 5      | Q1   | Indoor unit type<br>Q1: One-way Cassette<br>Q2: Two-way Cassette<br>Q4C: Compact Four-way Cassette<br>Q4: Four-way Cassette<br>T3: Arc Duct<br>T2: Medium Static Pressure Duct<br>T1: High Static Pressure Duct<br>G: Wall-mounted<br>DL: Ceiling & Floor<br>F: Floor Standing (Exposed/Concealed)<br>FS: Floor Standing |
| 6      | -    | Power supply<br>Omit: 1 phase, 220-240V, 50Hz<br>H: 1 phase, 220-240V, 50/60Hz                                                                                                                                                                                                                                           |
| 7      | N18  | Refrigerant type (N18: R410A&R32)                                                                                                                                                                                                                                                                                        |

## V8 PRO VRF 50Hz



## DC Indoor Units

M   I   2   -   22   Q1   D   N1  
 ①   ②   ③   ④   ⑤   ⑥   ⑧

| Legend |      |                                                                                                                                                                                                                                                                |
|--------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| No.    | Code | Remarks                                                                                                                                                                                                                                                        |
| 1      | M    | Midea                                                                                                                                                                                                                                                          |
| 2      | I    | VRF indoor unit                                                                                                                                                                                                                                                |
| 3      | 2    | Generation code<br>2: The 2nd generation<br>3: The 3rd generation                                                                                                                                                                                              |
| 4      | 22   | Capacity index (the capacity in kW multiplied by 10)                                                                                                                                                                                                           |
| 5      | Q1   | Indoor unit type<br>Q1: One-way Cassette<br>Q2: Two-way Cassette<br>Q4C: Compact Four-way Cassette<br>Q4: Four-way Cassette<br>T2: Medium Static Pressure Duct<br>T1: High Static Pressure Duct<br>G: Wall-mounted<br>DL: Ceiling & Floor<br>F: Floor Standing |
| 6      | D    | Series category (D: DC series)                                                                                                                                                                                                                                 |
| 7      | -    | Power supply<br>Omit: 1 phase, 220-240V, 50Hz<br>H: 1 phase, 220-240V, 50/60Hz                                                                                                                                                                                 |
| 8      | N1   | Refrigerant type (N1: R410A)                                                                                                                                                                                                                                   |

## AC indoor units

MDV - D   18   -   Q4   /   N1   E   (B)  
 ①   ②   ③   ④   ⑤   ⑥   ⑦

| Legend |      |                                                                                                                                                                                                                                                                |
|--------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| No.    | Code | Remarks                                                                                                                                                                                                                                                        |
| 1      | MDV  | Midea                                                                                                                                                                                                                                                          |
| 2      | D    | VRF indoor unit                                                                                                                                                                                                                                                |
| 3      | 18   | Capacity index (the capacity in kW multiplied by 10)                                                                                                                                                                                                           |
| 4      | Q1   | Indoor unit type<br>Q1: One-way Cassette<br>Q2: Two-way Cassette<br>Q4C: Compact Four-way Cassette<br>Q4: Four-way Cassette<br>T2: Medium Static Pressure Duct<br>T1: High Static Pressure Duct<br>G: Wall-mounted<br>DL: Ceiling & Floor<br>F: Floor Standing |
| 5      | N1   | Refrigerant N1: R410A                                                                                                                                                                                                                                          |
| 6      | E    | Design Code                                                                                                                                                                                                                                                    |
| 7      | (B)  | Second Generation                                                                                                                                                                                                                                              |

**4.1.2 Fresh air processing unit**

**M**   **I**   **2**   **-**   **280**   **FA**   **D**   **N1**   **-**   **S**  
 ①   ②   ③   ④   ⑤   ⑥   ⑧   ⑨

| Legend |      |                                                                                |
|--------|------|--------------------------------------------------------------------------------|
| No.    | Code | Remarks                                                                        |
| 1      | M    | Midea                                                                          |
| 2      | I    | VRF indoor unit                                                                |
| 3      | 2    | The 2 <sup>nd</sup> generation VRF DC indoor unit                              |
| 4      | 280  | Capacity index (the capacity in kW multiplied by 10)                           |
| 5      | FA   | Indoor unit type<br>FA: Fresh Air Processing Unit                              |
| 6      | D    | Series category (D: DC series)                                                 |
| 7      | -    | Power supply<br>Omit: 1 phase, 220-240V, 50Hz<br>H: 1 phase, 220-240V, 50/60Hz |
| 8      | N1   | Refrigerant type (N1: R410A)                                                   |
| 9      | S    | Product series<br>S: Small Airflow Rate                                        |

**4.1.3 Heat recovery ventilator**
**AC Series**

**HRV**   **-**   **200**  
 ①   ②

| Legend |      |                              |
|--------|------|------------------------------|
| No.    | Code | Remarks                      |
| 1      | HRV  | Heat recovery ventilator     |
| 2      | 200  | Airflow in m <sup>3</sup> /h |

**DC Series**

**HRV**   **-**   **D**   **200**  
 ①   ②   ③

| Legend |      |                                |
|--------|------|--------------------------------|
| No.    | Code | Remarks                        |
| 1      | HRV  | Heat recovery ventilator       |
| 2      | D    | Series category (D: DC series) |
| 3      | 200  | Airflow in m <sup>3</sup> /h   |

## V8 PRO VRF 50Hz



### 4.2 Outdoor Units

**M V8 - 252 W V2 R N1 E (PRO)**  
 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

| Legend |      |                                                                   |
|--------|------|-------------------------------------------------------------------|
| No.    | Code | Remarks                                                           |
| 1      | M    | Midea                                                             |
| 2      | V8   | The 8 <sup>th</sup> generation VRF                                |
| 3      | 252  | Capacity index (the capacity in kW multiplied by 10)              |
| 4      | W    | Unit category (W: VRF outdoor unit)                               |
| 5      | V2   | Type (V2: All DC inverter)                                        |
| 6      | R    | Power supply<br>G:380-415V, 3N~, 50/60Hz<br>R:380-415V, 3N~, 50Hz |
| 7      | N1   | Refrigerant type (N1: R410A)                                      |
| 8      | E    | Europe version                                                    |
| 9      | PRO  | PRO series                                                        |

### 5 Combination Ratio

$$\text{Combination ratio} = \frac{\text{Sum of capacity indexes of the indoor units}}{\text{Capacity index of the outdoor units}}$$

Table 1-5.1: Indoor and outdoor unit combination ratio limitations

| Type                    | Minimum combination ratio | Maximum combination ratio                               |                                 |                                                               |
|-------------------------|---------------------------|---------------------------------------------------------|---------------------------------|---------------------------------------------------------------|
|                         |                           | Standard indoor units only                              | Fresh air processing units only | Fresh air processing units and standard indoor units together |
| V8 Series outdoor units | 50%                       | 200% <sup>1,2</sup> (Single ODU)<br>130% (Combined ODU) | 100%                            | 100% <sup>3</sup>                                             |

Notes:

1. All the indoor units connected should be indoor units with ø5mm size copper tube heater exchanger. This limitation is to avoid too big indoor unit exchanger cause reliability and performance problem.
2. Piping between farthest indoor unit and first indoor branch joint should less than 40m.
3. When fresh air processing units are installed together with standard indoor units, the total capacity of the fresh air processing units must not exceed 30% of the total capacity of the outdoor units and the total combination ratio must not exceed 100%.
4. The combinations of units shown in the table are factory-recommended. Four units combination are possible for the 8-24 HP models. For other combinations of units please contact your local distributor or technical support engineer.

Table 1-5.2: Combinations of indoor and outdoor units

| Outdoor unit capacity |    |                | Sum of capacity indexes of connected indoor units (standard indoor units only) | Sum of capacity indexes of connected indoor units (fresh air processing units and standard indoor units together) | Maximum number of connected indoor units |
|-----------------------|----|----------------|--------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| kW                    | HP | Capacity index |                                                                                |                                                                                                                   |                                          |
| 25.2                  | 8  | 252            | 126 to 327.6                                                                   | 126 to 252                                                                                                        | 13                                       |
| 28.0                  | 10 | 280            | 140 to 364                                                                     | 140 to 280                                                                                                        | 16                                       |
| 33.5                  | 12 | 335            | 167.5 to 435.5                                                                 | 167.5 to 335                                                                                                      | 19                                       |
| 40.0                  | 14 | 400            | 200 to 520                                                                     | 200 to 400                                                                                                        | 23                                       |
| 45.0                  | 16 | 450            | 225 to 585                                                                     | 225 to 450                                                                                                        | 26                                       |
| 50.0                  | 18 | 500            | 250 to 650                                                                     | 250 to 500                                                                                                        | 29                                       |
| 56.0                  | 20 | 560            | 280 to 728                                                                     | 280 to 560                                                                                                        | 33                                       |
| 61.5                  | 22 | 615            | 307.5 to 799.5                                                                 | 307.5 to 615                                                                                                      | 36                                       |
| 67.0                  | 24 | 670            | 335 to 871                                                                     | 335 to 670                                                                                                        | 39                                       |
| 73.0                  | 26 | 730            | 365 to 949                                                                     | 365 to 730                                                                                                        | 43                                       |
| 78.5                  | 28 | 785            | 392.5 to 1020.5                                                                | 392.5 to 785                                                                                                      | 46                                       |
| 85.0                  | 30 | 850            | 425 to 1105                                                                    | 425 to 850                                                                                                        | 50                                       |
| 90.0                  | 32 | 900            | 450 to 1170                                                                    | 450 to 900                                                                                                        | 53                                       |
| 96.0                  | 34 | 960            | 480 to 1248                                                                    | 480 to 960                                                                                                        | 56                                       |
| 101.0                 | 36 | 1010           | 505 to 1313                                                                    | 505 to 1010                                                                                                       | 59                                       |
| 107.0                 | 38 | 1070           | 535 to 1391                                                                    | 535 to 1070                                                                                                       | 62                                       |
| 112.0                 | 40 | 1120           | 560 to 1456                                                                    | 560 to 1120                                                                                                       | 64                                       |
| 117.0                 | 42 | 1170           | 585 to 1521                                                                    | 585 to 1170                                                                                                       |                                          |
| 123.0                 | 44 | 1230           | 615 to 1599                                                                    | 615 to 1230                                                                                                       |                                          |
| 128.5                 | 46 | 1285           | 642.5 to 1670.5                                                                | 642.5 to 1285                                                                                                     |                                          |
| 134.0                 | 48 | 1340           | 670 to 1742                                                                    | 670 to 1340                                                                                                       |                                          |
| 140.0                 | 50 | 1400           | 700 to 1820                                                                    | 700 to 1400                                                                                                       |                                          |
| 146.0                 | 52 | 1460           | 730 to 1898                                                                    | 730 to 1460                                                                                                       |                                          |
| 151.5                 | 54 | 1515           | 757.5 to 1969.5                                                                | 757.5 to 1515                                                                                                     |                                          |
| 157.0                 | 56 | 1570           | 785 to 2041                                                                    | 785 to 1570                                                                                                       |                                          |
| 163.0                 | 58 | 1630           | 815 to 2119                                                                    | 815 to 1630                                                                                                       |                                          |
| 168.5                 | 60 | 1685           | 842.5 to 2190.5                                                                | 842.5 to 1685                                                                                                     |                                          |
| 175.0                 | 62 | 1750           | 875 to 2275                                                                    | 875 to 1750                                                                                                       |                                          |
| 180.0                 | 64 | 1800           | 900 to 2340                                                                    | 900 to 1800                                                                                                       |                                          |
| 186.0                 | 66 | 1860           | 930 to 2418                                                                    | 930 to 1860                                                                                                       |                                          |
| 191.0                 | 68 | 1910           | 955 to 2483                                                                    | 955 to 1910                                                                                                       |                                          |
| 197.0                 | 70 | 1970           | 985 to 2561                                                                    | 985 to 1970                                                                                                       |                                          |
| 202.0                 | 72 | 2020           | 1010 to 2626                                                                   | 1010 to 2020                                                                                                      |                                          |
| 207.0                 | 74 | 2070           | 1035 to 2691                                                                   | 1035 to 2070                                                                                                      |                                          |
| 213.0                 | 76 | 2130           | 1065 to 2769                                                                   | 1065 to 2130                                                                                                      |                                          |
| 218.5                 | 78 | 2185           | 1092.5 to 2840.5                                                               | 1092.5 to 2185                                                                                                    |                                          |
| 224.0                 | 80 | 2240           | 1120 to 2912                                                                   | 1120 to 2240                                                                                                      |                                          |
| 230.0                 | 82 | 2300           | 1150 to 2990                                                                   | 1150 to 2300                                                                                                      |                                          |
| 236.0                 | 84 | 2360           | 1180 to 3068                                                                   | 1180 to 2360                                                                                                      |                                          |
| 241.5                 | 86 | 2415           | 1207.5 to 3139.5                                                               | 1207.5 to 2415                                                                                                    |                                          |
| 247.0                 | 88 | 2470           | 1235 to 3211                                                                   | 1235 to 2470                                                                                                      |                                          |
| 253.0                 | 90 | 2530           | 1265 to 3289                                                                   | 1265 to 2530                                                                                                      |                                          |
| 258.5                 | 92 | 2585           | 1292.5 to 3360.5                                                               | 1292.5 to 2585                                                                                                    |                                          |
| 265.0                 | 94 | 2650           | 1325 to 3445                                                                   | 1325 to 2650                                                                                                      |                                          |
| 270.0                 | 96 | 2700           | 1350 to 3510                                                                   | 1350 to 2700                                                                                                      |                                          |

## 6 Selection Procedure

### 6.1 Procedure

#### Step 1: Establish design conditions

Design temperature and humidity (indoor and outdoor)  
Required heat load of each room  
System peak load  
Piping length, level differences  
Indoor unit specifications (type and quantity)

#### Step 2: Select indoor units

Decide indoor unit safety factor

Select indoor unit models ensuring that:  
 $\text{Indoor unit capacity corrected for indoor air temperature WB}^1 \geq \text{Required heat load} \times \text{Indoor unit safety factor}$

#### Step 3: Select outdoor units

Determine required total heat load on outdoor units

Use the sum of the peak load of each room

Use the system peak load

Provisionally select outdoor unit capacity based on combination ratio limitations

Confirm that the number of indoor units connected to the outdoor units is within limitation

Correct cooling and heating capacities of the outdoor units for the following items:  
Outdoor air temperature / Indoor air temperature WB / Combination ratio / Piping length, level difference / Piping heat loss / Frost accumulation (for heating capacity only)

Is corrected outdoor unit capacity  $\geq$  Required total heat load on outdoor units?

No

Yes

VRF system selection is complete

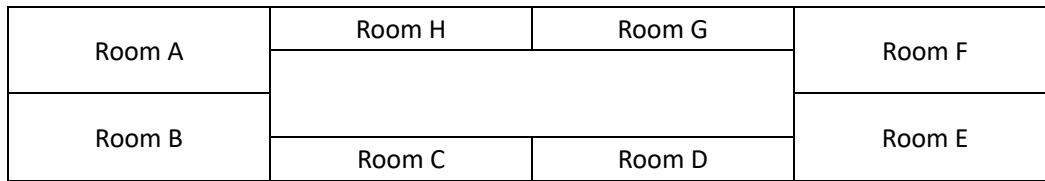
#### Notes:

1. If the indoor design temperature falls between two temperatures listed in the indoor unit's capacity table, calculate the corrected capacity by interpolation. If the indoor unit selection is to be based on total heat load and sensible heat load, select indoor units which satisfy not only the total heat load requirements of each room but also the sensible heat load requirements of each room. As with total heat capacity, the sensible heat capacity of indoor units should be corrected for indoor temperature, interpolating where necessary. For the indoor unit capacity tables, refer to the indoor unit technical manuals.

## 6.2 Example

The following is a selection example based on total heat load for cooling.

Figure 1-6.1: Room plan



### Step 1: Establish design conditions

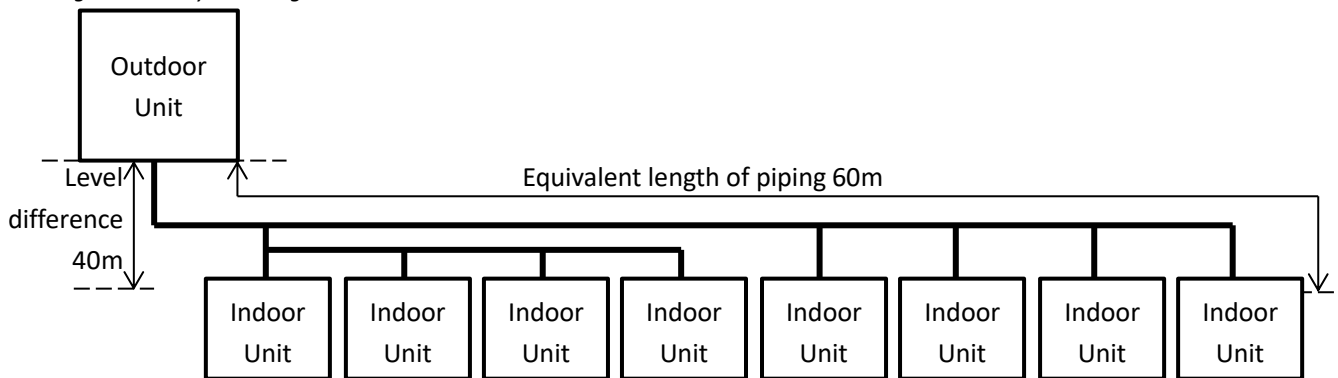
- Indoor air temperature 25.8°C DB, 18°C WB; outdoor air temperature 33°C DB.
- Determine peak load of each room and system peak load. As shown in Table 1-6.1, the system peak load is 50.7kW.

Table 1-6.1: Required heat load of each room (kW)

| Time  | Room A | Room B | Room C | Room D | Room E | Room F | Room G | Room H | Total |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 9:00  | 4.8    | 4.8    | 3.0    | 3.0    | 9.1    | 9.0    | 2.9    | 2.9    | 39.5  |
| 12:00 | 6.6    | 7.1    | 5.1    | 5.1    | 7.4    | 6.8    | 4.0    | 4.0    | 46.1  |
| 14:00 | 9.0    | 9.4    | 4.9    | 4.9    | 7.3    | 6.8    | 4.2    | 4.2    | 50.7  |
| 16:00 | 10.6   | 10.7   | 3.9    | 3.9    | 6.3    | 6.2    | 3.8    | 3.8    | 49.2  |

- The maximum piping lengths and level differences in this example are as given in Figure 1-6.2.

Figure 1-6.2: System diagram



- Indoor unit type for all rooms: Medium Static Pressure Duct (T2).

### Step 2: Select indoor units

- In this example, a safety factor is not used (i.e. the safety factor is 1).
- Select indoor unit models using the medium static pressure duct cooling capacity table. Each indoor unit's corrected capacity needs to be greater than or equal to the peak load of the relevant room. The selected indoor units are shown in Table 1-6.3.

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Table 1-6.2: Extract from medium static pressure duct (T2) cooling capacity table

| Model | Capacity index | Indoor air temperature |     |         |     |         |     |         |     |         |     |         |     |         |     |
|-------|----------------|------------------------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|
|       |                | 14°C WB                |     | 16°C WB |     | 18°C WB |     | 19°C WB |     | 20°C WB |     | 22°C WB |     | 24°C WB |     |
|       |                | 20°C DB                |     | 23°C DB |     | 26°C DB |     | 27°C DB |     | 28°C DB |     | 30°C DB |     | 32°C DB |     |
|       |                | TC                     | SC  | TC      | SC  | TC      | SC  | TC      | SC  | TC      | SC  | TC      | SC  | TC      | SC  |
| T2    | 22             | 1.5                    | 1.4 | 1.8     | 1.5 | 2.1     | 1.6 | 2.2     | 1.6 | 2.3     | 1.7 | 2.4     | 1.5 | 2.4     | 1.5 |
|       | 28             | 1.9                    | 1.7 | 2.3     | 1.9 | 2.6     | 2.1 | 2.8     | 2.1 | 3.0     | 2.1 | 3.1     | 2.0 | 3.1     | 1.9 |
|       | 36             | 2.5                    | 2.1 | 2.9     | 2.3 | 3.4     | 2.5 | 3.6     | 2.6 | 3.8     | 2.7 | 4.2     | 2.8 | 3.9     | 2.3 |
|       | 45             | 3.1                    | 2.6 | 3.7     | 2.8 | 4.2     | 3.1 | 4.5     | 3.2 | 4.8     | 3.2 | 4.9     | 3.1 | 5.1     | 2.9 |
|       | 56             | 3.9                    | 3.0 | 4.6     | 3.3 | 5.3     | 3.6 | 5.6     | 3.7 | 5.9     | 3.8 | 6.2     | 3.7 | 6.2     | 3.4 |
|       | 71             | 4.9                    | 3.9 | 5.8     | 4.3 | 6.7     | 4.7 | 7.1     | 4.9 | 7.5     | 4.8 | 7.8     | 4.6 | 7.8     | 4.3 |
|       | 80             | 5.5                    | 4.4 | 6.6     | 4.9 | 7.5     | 5.3 | 8.0     | 5.5 | 8.4     | 5.5 | 8.8     | 5.2 | 8.8     | 4.8 |
|       | 90             | 6.2                    | 5.3 | 7.3     | 5.8 | 8.4     | 6.3 | 9.0     | 6.4 | 9.6     | 6.5 | 9.9     | 6.1 | 9.9     | 5.7 |
|       | 112            | 7.7                    | 6.4 | 9.1     | 7.1 | 10.5    | 7.7 | 11.2    | 7.8 | 11.9    | 8.1 | 12.5    | 7.8 | 12.5    | 7.4 |
|       | 140            | 9.7                    | 7.8 | 11.3    | 8.6 | 13.2    | 9.6 | 14.0    | 9.8 | 14.8    | 9.8 | 15.7    | 9.7 | 15.4    | 8.8 |

Abbreviations:

TC: Total capacity (kW); SC: Sensible capacity (kW)

Table 1-6.3: Selected indoor units

|                      | Room A       | Room B       | Room C      | Room D      |
|----------------------|--------------|--------------|-------------|-------------|
| Peak heat load (kW)  | 10.6         | 10.7         | 5.1         | 5.1         |
| Selected indoor unit | MI2-140T2DN1 | MI2-140T2DN1 | MI2-56T2DN1 | MI2-56T2DN1 |
| Corrected TC (kW)    | 13.2         | 13.2         | 5.3         | 5.3         |
|                      | Room E       | Room F       | Room G      | Room H      |
| Peak heat load (kW)  | 9.1          | 9.0          | 4.2         | 4.2         |
| Selected indoor unit | MI2-112T2DN1 | MI2-112T2DN1 | MI2-45T2DN1 | MI2-45T2DN1 |
| Corrected TC (kW)    | 10.5         | 10.5         | 4.2         | 4.2         |

**Step 3: Select outdoor units**

- Determine the required total heat load from the indoor units to the outdoor units based on either the sum of the peak loads of each room or the system peak load. In this example, it is determined based on the system peak load. Therefore, the required heat load is 50.7kW.
- Provisionally select outdoor units using the sum of the capacity indexes (CIs) of the selected indoor units (as shown in Table 1-6.4), ensuring that the combination ratio is between 50% and 130%. Refer to Table 1-6.5. As the sum of CIs of the indoor units is 706, outdoor units from 20HP to 50HP are potentially suitable. Start from the smallest, which is the 20HP unit.

Table 1-6.4: Sum of indoor unit capacity indexes

| Model        | Capacity Index | No. of units |
|--------------|----------------|--------------|
| MI2-140T2DN1 | 140            | 2            |
| MI2-112T2DN1 | 112            | 2            |
| MI2-56T2DN1  | 56             | 2            |
| MI2-45T2DN1  | 45             | 2            |

|            |     |
|------------|-----|
| Sum of CIs | 706 |
|------------|-----|



Table 1-6.5: Extract from Table 1-5.2 Combinations of Indoor and outdoor units

| Outdoor unit capacity |    |                | Sum of capacity indexes of connected indoor units (standard indoor units only) | Maximum number of connected indoor units |
|-----------------------|----|----------------|--------------------------------------------------------------------------------|------------------------------------------|
| kW                    | HP | Capacity index |                                                                                |                                          |
| 50.0                  | 18 | 500            | 250 to 650                                                                     | 29                                       |
| 56.0                  | 20 | 560            | 280 to 728                                                                     | 33                                       |
| 61.5                  | 22 | 615            | 307.5 to 799.5                                                                 | 36                                       |
| 67.0                  | 24 | 670            | 335 to 871                                                                     | 39                                       |
| 73.0                  | 26 | 730            | 365 to 949                                                                     | 43                                       |
| 78.5                  | 28 | 785            | 392.5 to 1020.5                                                                | 46                                       |
| 85.0                  | 30 | 850            | 425 to 1105                                                                    | 50                                       |
| 90.0                  | 32 | 900            | 450 to 1170                                                                    | 53                                       |
| 96.0                  | 34 | 960            | 480 to 1248                                                                    | 56                                       |
| 101.0                 | 36 | 1010           | 505 to 1313                                                                    | 59                                       |
| 107.0                 | 38 | 1070           | 535 to 1391                                                                    | 62                                       |
| 112.0                 | 40 | 1120           | 560 to 1456                                                                    | 64                                       |
| 117.0                 | 42 | 1170           | 585 to 1521                                                                    |                                          |
| 123.0                 | 44 | 1230           | 615 to 1599                                                                    |                                          |
| 128.5                 | 46 | 1285           | 642.5 to 1670.5                                                                |                                          |
| 134.0                 | 48 | 1340           | 670 to 1742                                                                    |                                          |
| 140.0                 | 50 | 1400           | 700 to 1820                                                                    |                                          |
| 146.0                 | 52 | 1460           | 730 to 1898                                                                    |                                          |

- The number of connected indoor units is 8 and the maximum number of connected indoor units on the 20HP outdoor unit is 33, so the number of connected indoor units is within the limitation.
- Calculate the corrected capacity of the outdoor units:
  - a) The sum of the indoor unit CIs is 706 and the CI of the 20HP outdoor unit MV8-560WV2RN1E(PRO) is 560, so the combination ratio is  $706 / 560 = 126\%$ .
  - b) Using the outdoor units' cooling capacity table, interpolate to obtain the capacity ("B") corrected for outdoor air temperature, indoor air temperature, and combination ratio. Refer to Tables 1-6.6 and 1-6.7.

Table 1-6.6: Extract from Table 2-8.7  
MV8-560WV2RN1E(PRO) cooling capacity

| CR   | Outdoor air temp. (°C DB) | Indoor air temp. (°C DB / °C WB) |       |
|------|---------------------------|----------------------------------|-------|
|      |                           | 25.8 / 18.0                      |       |
|      |                           | TC                               | PI    |
|      |                           | kW                               | kW    |
| 130% | 31                        | 63.14                            | 25.17 |
|      | 33                        | 62.17                            | 25.48 |
|      | 35                        | 58.41                            | 24.60 |
| 120% | 31                        | 59.30                            | 24.96 |
|      | 33                        | 59.30                            | 25.67 |
|      | 35                        | 56.87                            | 25.29 |

Table 1-6.7: Cooling capacity calculated by interpolation

| CR   | Outdoor<br>air<br>temp.<br>(°C DB) | Indoor air temp.<br>(°C DB / °C WB) |       |
|------|------------------------------------|-------------------------------------|-------|
|      |                                    | 25.8 / 18.0                         |       |
|      |                                    | TC                                  | PI    |
|      |                                    | kW                                  | kW    |
| 130% | 33                                 | 62.17                               | 25.48 |
|      |                                    |                                     |       |
| 120% | 33                                 | B = 61.02 <sup>1</sup>              |       |
|      |                                    | 59.30                               | 25.67 |
|      |                                    |                                     |       |

Notes:

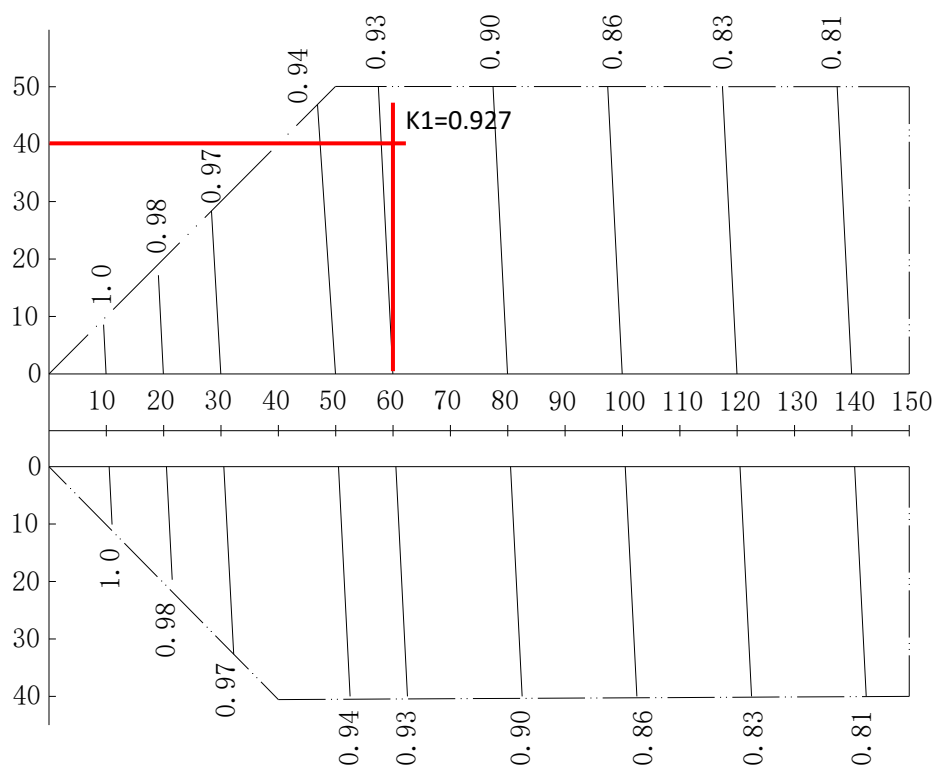
1.  $59.30 + (62.17 - 59.30) \times (126 - 120) / (130 - 120) = 61.02$

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c) Find the correction factor for piping length and level difference ("K1")

Figure 1-6.3: V8 rate of change in cooling capacity



Notes:

1. The horizontal axis shows equivalent length of piping between farthest indoor unit and first outdoor branch joint; the vertical axis shows the largest level difference between indoor unit and outdoor unit. For level differences, positive values indicate that the outdoor unit is above the indoor unit, negative values indicate that the outdoor unit is below the indoor unit.

d) Calculate the corrected capacity of MV8-560WV2RN1E(PRO) ("C") by using K1:

$$C = B \times K1 = 61.02 \times 0.927 = 56.57\text{kW}$$

- The corrected capacity 56.57kW is larger than required total heat load 50.7kW, so selection is complete. (In the event that the corrected capacity is lower than the required total heat load, Step 3 should be repeated from the point where the outdoor unit capacity is provisionally selected.)

# Part 2

## Outdoor Unit

### Engineering Data

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## 1 Specifications

### 8-14HP

Table 2-1.1: 8-14HP specifications

| HP                            |                  |        | 8                                   | 10                  | 12                  | 14                  |
|-------------------------------|------------------|--------|-------------------------------------|---------------------|---------------------|---------------------|
| Model                         |                  |        | MV8-252WV2RN1E(PRO)                 | MV8-280WV2RN1E(PRO) | MV8-335WV2RN1E(PRO) | MV8-400WV2RN1E(PRO) |
| Power supply                  |                  |        | 380-415V, 3N~, 50Hz                 |                     |                     |                     |
| Cooling1                      | Capacity         | kW     | 25.2                                | 28.0                | 33.5                | 40.0                |
|                               |                  | kBtu/h | 85.9                                | 95.5                | 114.2               | 136.4               |
|                               | Power input      | kW     | 8.4                                 | 9.9                 | 13.5                | 17.0                |
|                               | EER              |        | 3.00                                | 2.82                | 2.48                | 2.35                |
| Heating2(Rated)               | Capacity         | kW     | 25.2                                | 28.0                | 33.5                | 40.0                |
|                               |                  | kBtu/h | 85.9                                | 95.5                | 114.2               | 136.4               |
|                               | Power input      | kW     | 6.6                                 | 7.5                 | 10.8                | 11.6                |
|                               | COP              |        | 3.80                                | 3.72                | 3.09                | 3.45                |
| Heating2(Max)                 | Capacity         | kW     | 27.0                                | 31.5                | 37.5                | 45.0                |
|                               |                  | kBtu/h | 92.1                                | 107.4               | 127.9               | 153.5               |
|                               | Power input      | kW     | 7.6                                 | 9.0                 | 12.9                | 14.4                |
|                               | COP              |        | 3.57                                | 3.51                | 2.90                | 3.13                |
| SEER                          |                  |        | 7.21                                | 6.82                | 6.32                | 6.25                |
| ηs,c                          |                  |        | 285.4%                              | 269.8%              | 249.8%              | 247.0%              |
| SCOP                          |                  |        | 4.08                                | 4.07                | 4.09                | 4.12                |
| ηs,h                          |                  |        | 160.2%                              | 159.8%              | 160.6%              | 161.8%              |
| Connected indoor unit         | Total capacity   |        | 50-130% of outdoor unit capacity    |                     |                     |                     |
|                               | Maximum quantity |        | 13                                  | 16                  | 19                  | 23                  |
| Compressor                    | Type             |        | DC inverter                         |                     |                     |                     |
|                               | Quantity         |        | 1                                   |                     |                     |                     |
|                               | Oil type         |        | FVC68D                              |                     |                     |                     |
|                               | Start-up method  |        | Soft start                          |                     |                     |                     |
| Fan                           | Type             |        | Propeller                           |                     |                     |                     |
|                               | Motor type       |        | DC                                  |                     |                     |                     |
|                               | Quantity         |        | 1                                   |                     |                     |                     |
|                               | Motor output     | kW     | 0.56                                | 0.56                | 0.56                | 0.92                |
|                               | Static pressure  | Pa     | 0-20 (default); 20-120 (customized) |                     |                     |                     |
|                               | Airflow rate     | m3/h   | 12600                               | 12600               | 13500               | 15600               |
|                               | Drive type       |        | Direct                              |                     |                     |                     |
| Refrigerant                   | Type             |        | R410A                               |                     |                     |                     |
|                               | Factory charge   | kg     | 7                                   | 7                   | 7                   | 8.4                 |
| Pipe connections3             | Liquid pipe      | mm     | Φ12.7                               | Φ12.7               | Φ12.7               | Φ15.9               |
|                               | Gas pipe         | mm     | Φ25.4                               | Φ25.4               | Φ25.4               | Φ28.6               |
| Sound pressure level4         |                  | dB(A)  | 58                                  | 58                  | 61                  | 65                  |
| Sound power level4            |                  | dB(A)  | 83                                  | 84                  | 85                  | 86                  |
| Net dimensions (W×H×D)        |                  | mm     | 940×1760×825                        |                     |                     |                     |
| Packed dimensions (W×H×D)     |                  | mm     | 1005×1945×890                       |                     |                     |                     |
| Net weight                    |                  | kg     | 195                                 | 195                 | 195                 | 215                 |
| Gross weight                  |                  | kg     | 213                                 | 213                 | 213                 | 232                 |
| Ambient temp. operation range | Cooling          | ℃      | -15 to 55                           | -15 to 55           | -15 to 55           | -15 to 55           |
|                               | Heating          | ℃      | -30 to 30                           | -30 to 30           | -30 to 30           | -30 to 30           |

Notes:

- Indoor air temperature 27°C DB, 19°C WB; outdoor air temperature 35°C DB; equivalent refrigerant piping length 5m with zero level difference.
- Indoor air temperature 20°C DB; outdoor air temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 5m with zero level difference.
- Diameters given are those of the unit's stop valve.
- Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

**16-22HP**

Table 2-1.2: 16-22HP specifications

| HP                            |                  |        | 16                                  | 18                  | 20                  | 22                  |
|-------------------------------|------------------|--------|-------------------------------------|---------------------|---------------------|---------------------|
| Model                         |                  |        | MV8-450WV2RN1E(PRO)                 | MV8-500WV2RN1E(PRO) | MV8-560WV2RN1E(PRO) | MV8-615WV2RN1E(PRO) |
| Power supply                  |                  |        | 380-415V, 3N~, 50Hz                 |                     |                     |                     |
| Cooling1                      | Capacity         | kW     | 45.0                                | 50.0                | 56.0                | 61.5                |
|                               |                  | kBtu/h | 153.5                               | 170.5               | 191.0               | 209.7               |
|                               | Power input      | kW     | 22.0                                | 20.4                | 26.0                | 27.7                |
|                               | EER              |        | 2.05                                | 2.45                | 2.15                | 2.22                |
| Heating2(Rated)               | Capacity         | kW     | 45.0                                | 50.0                | 56.0                | 61.5                |
|                               |                  | kBtu/h | 153.5                               | 170.5               | 191.0               | 209.7               |
|                               | Power input      | kW     | 14.0                                | 15.1                | 17.2                | 18.4                |
|                               | COP              |        | 3.21                                | 3.31                | 3.25                | 3.35                |
| Heating2(Max)                 | Capacity         | kW     | 50.0                                | 56.0                | 63.0                | 69.0                |
|                               |                  | kBtu/h | 170.5                               | 191.0               | 214.8               | 235.3               |
|                               | Power input      | kW     | 16.9                                | 18.1                | 20.9                | 22.0                |
|                               | COP              |        | 2.95                                | 3.10                | 3.02                | 3.14                |
| SEER                          |                  |        | 6.02                                | 6.11                | 6.00                | 5.93                |
| ηs,c                          |                  |        | 237.8%                              | 241.4%              | 237%                | 234.2%              |
| SCOP                          |                  |        | 4.02                                | 4.14                | 4.03                | 4.21                |
| ηs,h                          |                  |        | 157.8%                              | 162.6%              | 158.2%              | 165.4%              |
| Connected indoor unit         | Total capacity   |        | 50-130% of outdoor unit capacity    |                     |                     |                     |
|                               | Maximum quantity |        | 26                                  | 29                  | 33                  | 36                  |
| Compressor                    | Type             |        | DC inverter                         |                     |                     |                     |
|                               | Quantity         |        | 1                                   | 2                   |                     |                     |
|                               | Oil type         |        | FVC68D                              |                     |                     |                     |
|                               | Start-up method  |        | Soft start                          |                     |                     |                     |
| Fan                           | Type             |        | Propeller                           |                     |                     |                     |
|                               | Motor type       |        | DC                                  |                     |                     |                     |
|                               | Quantity         |        | 1                                   | 2                   |                     |                     |
|                               | Motor output     | kW     | 0.92                                | 0.56×2              | 0.56×2              | 0.56×2              |
|                               | Static pressure  | Pa     | 0-20 (default); 20-120 (customized) |                     |                     |                     |
|                               | Airflow rate     | m3/h   | 15600                               | 22000               | 22000               | 21500               |
|                               | Drive type       |        | Direct                              |                     |                     |                     |
| Refrigerant                   | Type             |        | R410A                               |                     |                     |                     |
|                               | Factory charge   | kg     | 8.4                                 | 9.3                 | 9.3                 | 11.96               |
| Pipe connections3             | Liquid pipe      | mm     | Φ15.9                               | Φ15.9               | Φ15.9               | Φ15.9               |
|                               | Gas pipe         | mm     | Φ28.6                               | Φ28.6               | Φ28.6               | Φ28.6               |
| Sound pressure level4         |                  | dB(A)  | 65                                  | 65                  | 66                  | 66                  |
| Sound power level4            |                  | dB(A)  | 86                                  | 88                  | 89                  | 89                  |
| Net dimensions (W×H×D)        |                  | mm     | 940×1760×825                        | 1340×1760×825       |                     |                     |
| Packed dimensions (W×H×D)     |                  | mm     | 1005×1945×890                       | 1405×1945×890       |                     |                     |
| Net weight                    |                  | kg     | 215                                 | 295                 | 295                 | 315                 |
| Gross weight                  |                  | kg     | 232                                 | 315                 | 315                 | 335                 |
| Ambient temp. operation range | Cooling          | ℃      | -15 to 55                           | -15 to 55           | -15 to 55           | -15 to 55           |
|                               | Heating          | ℃      | -30 to 30                           | -30 to 30           | -30 to 30           | -30 to 30           |

Notes:

- Indoor air temperature 27°C DB, 19°C WB; outdoor air temperature 35°C DB; equivalent refrigerant piping length 5m with zero level difference.
- Indoor air temperature 20°C DB; outdoor air temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 5m with zero level difference.
- Diameters given are those of the unit's stop valve.
- Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

## V8 PRO VRF 50Hz



## 24-30HP

Table 2-1.3: 24-30HP specifications

| HP                            |                  |        | 24                                  | 26                  | 28                  | 30                  |
|-------------------------------|------------------|--------|-------------------------------------|---------------------|---------------------|---------------------|
| Model                         |                  |        | MV8-670WV2RN1E(PRO)                 | MV8-730WV2RN1E(PRO) | MV8-785WV2RN1E(PRO) | MV8-850WV2RN1E(PRO) |
| Power supply                  |                  |        | 380-415V, 3N~, 50Hz                 |                     |                     |                     |
| Cooling1                      | Capacity         | kW     | 67.0                                | 73.0                | 78.5                | 85.0                |
|                               |                  | kBtu/h | 228.5                               | 248.9               | 267.7               | 289.9               |
|                               | Power input      | kW     | 32.7                                | 38.2                | 32.4                | 37.8                |
|                               | EER              |        | 2.05                                | 1.91                | 2.42                | 2.25                |
| Heating2(Rated)               | Capacity         | kW     | 67.0                                | 73.0                | 78.5                | 85.0                |
|                               |                  | kBtu/h | 228.5                               | 248.9               | 267.7               | 289.9               |
|                               | Power input      | kW     | 20.2                                | 23.2                | 24.5                | 27.3                |
|                               | COP              |        | 3.31                                | 3.15                | 3.20                | 3.11                |
| Heating2(Max)                 | Capacity         | kW     | 75.0                                | 81.5                | 87.5                | 95.0                |
|                               |                  | kBtu/h | 255.8                               | 277.9               | 298.4               | 324.0               |
|                               | Power input      | kW     | 24.3                                | 28.0                | 29.9                | 32.6                |
|                               | COP              |        | 3.09                                | 2.91                | 2.93                | 2.91                |
| SEER                          |                  |        | 5.98                                | 5.68                | 5.93                | 5.81                |
| ηs,c                          |                  |        | 236.2%                              | 224.2%              | 234.2%              | 229.4%              |
| SCOP                          |                  |        | 4.08                                | 4.15                | 4.12                | 4.00                |
| ηs,h                          |                  |        | 160.2%                              | 163%                | 161.8%              | 157%                |
| Connected indoor unit         | Total capacity   |        | 50-130% of outdoor unit capacity    |                     |                     |                     |
|                               | Maximum quantity |        | 39                                  | 43                  | 46                  | 50                  |
| Compressor                    | Type             |        | DC inverter                         |                     |                     |                     |
|                               | Quantity         |        | 2                                   |                     |                     |                     |
|                               | Oil type         |        | FVC68D                              |                     |                     |                     |
|                               | Start-up method  |        | Soft start                          |                     |                     |                     |
| Fan                           | Type             |        | Propeller                           |                     |                     |                     |
|                               | Motor type       |        | DC                                  |                     |                     |                     |
|                               | Quantity         |        | 2                                   |                     |                     |                     |
|                               | Motor output     | kW     | 0.56×2                              | 0.92×2              | 0.92×2              | 0.92×2              |
|                               | Static pressure  | Pa     | 0-20 (default); 20-120 (customized) |                     |                     |                     |
|                               | Airflow rate     | m3/h   | 21500                               | 29000               | 28000               | 28000               |
|                               | Drive type       |        | Direct                              |                     |                     |                     |
| Refrigerant                   | Type             |        | R410A                               |                     |                     |                     |
|                               | Factory charge   | kg     | 11.96                               | 11.96               | 11.96               | 11.96               |
| Pipe connections3             | Liquid pipe      | mm     | Φ15.9                               | Φ22.2               | Φ22.2               | Φ22.2               |
|                               | Gas pipe         | mm     | Φ28.6                               | Φ31.8               | Φ34.9               | Φ34.9               |
| Sound pressure level4         |                  | dB(A)  | 67                                  | 68                  | 68                  | 68                  |
| Sound power level4            |                  | dB(A)  | 92                                  | 93                  | 93                  | 93                  |
| Net dimensions (W×H×D)        |                  | mm     | 1340×1760×825                       | 1880×1760×825       |                     |                     |
| Packed dimensions (W×H×D)     |                  | mm     | 1405×1945×890                       | 1945×1945×890       |                     |                     |
| Net weight                    |                  | kg     | 315                                 | 366                 | 396                 | 396                 |
| Gross weight                  |                  | kg     | 335                                 | 396                 | 426                 | 426                 |
| Ambient temp. operation range | Cooling          | ℃      | -15 to 55                           | -15 to 55           | -15 to 55           | -15 to 55           |
|                               | Heating          | ℃      | -30 to 30                           | -30 to 30           | -30 to 30           | -30 to 30           |

Notes:

- Indoor air temperature 27°C DB, 19°C WB; outdoor air temperature 35°C DB; equivalent refrigerant piping length 5m with zero level difference.
- Indoor air temperature 20°C DB; outdoor air temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 5m with zero level difference.
- Diameters given are those of the unit's stop valve.
- Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

**32-38HP**

Table 2-1.4: 32-38HP specifications

| HP                            |                  |        | 32                                  | 34                              | 36                   | 38                   |
|-------------------------------|------------------|--------|-------------------------------------|---------------------------------|----------------------|----------------------|
| Model                         |                  |        | MV8-900WV2RN1E(PRO)                 | MV8-960WV2RN1E(PRO)             | MV8-1010WV2RN1E(PRO) | MV8-1070WV2RN1E(PRO) |
| Combination type              |                  |        | -                                   | 14HP+20HP                       | 16HP+20HP            | 14HP+24HP            |
| Power supply                  |                  |        | 380-415V, 3N~, 50Hz                 |                                 |                      |                      |
| Cooling1                      | Capacity         | kW     | 90.0                                | 96.0                            | 101.0                | 107.0                |
|                               |                  | kBtu/h | 306.9                               | 327.4                           | 344.4                | 364.9                |
|                               | Power input      | kW     | 43.9                                | 43.1                            | 48.0                 | 49.7                 |
|                               | EER              |        | 2.05                                | 2.23                            | 2.10                 | 2.15                 |
| Heating2(Rated)               | Capacity         | kW     | 90.0                                | 96.0                            | 101.0                | 107.0                |
|                               |                  | kBtu/h | 306.9                               | 327.4                           | 344.4                | 364.9                |
|                               | Power input      | kW     | 29.9                                | 28.8                            | 31.2                 | 31.8                 |
|                               | COP              |        | 3.01                                | 3.33                            | 3.24                 | 3.36                 |
| Heating2(Max)                 | Capacity         | kW     | 100.0                               | 108.0                           | 113.0                | 120.0                |
|                               |                  | kBtu/h | 341.0                               | 368.3                           | 385.3                | 409.2                |
|                               | Power input      | kW     | 35.1                                | 35.2                            | 37.8                 | 38.6                 |
|                               | COP              |        | 2.85                                | 3.07                            | 2.99                 | 3.11                 |
| SEER                          |                  |        | 5.75                                | 6.10                            | 6.01                 | 6.08                 |
| ηs,c                          |                  |        | 227%                                | 241%                            | 237.4%               | 240.2%               |
| SCOP                          |                  |        | 3.95                                | 4.07                            | 4.02                 | 4.11                 |
| ηs,h                          |                  |        | 155%                                | 159.8%                          | 157.8%               | 161.4%               |
| Connected indoor unit         | Total capacity   |        | 50-130% of outdoor unit capacity    |                                 |                      |                      |
|                               | Maximum quantity |        | 53                                  | 56                              | 59                   | 62                   |
| Compressor                    | Type             |        | DC inverter                         |                                 |                      |                      |
|                               | Quantity         |        | 2                                   | 3                               |                      |                      |
|                               | Oil type         |        | FVC68D                              |                                 |                      |                      |
|                               | Start-up method  |        | Soft start                          |                                 |                      |                      |
| Fan                           | Type             |        | Propeller                           |                                 |                      |                      |
|                               | Motor type       |        | DC                                  |                                 |                      |                      |
|                               | Quantity         |        | 2                                   | 3                               |                      |                      |
|                               | Motor output     | kW     | 0.92×2                              | 0.56×2+0.92                     | 0.56×2+0.92          | 0.56×2+0.92          |
|                               | Static pressure  | Pa     | 0-20 (default); 20-120 (customized) |                                 |                      |                      |
|                               | Airflow rate     | m3/h   | 28000                               | 37600                           | 37600                | 37100                |
|                               | Drive type       |        | Direct                              |                                 |                      |                      |
|                               | Type             |        | R410A                               |                                 |                      |                      |
| Refrigerant                   | Factory charge   | kg     | 11.96                               | 8.4+9.3                         | 8.4+9.3              | 8.4+11.96            |
| Pipe connections3             | Liquid pipe      | mm     | Φ22.2                               | Φ19.1                           | Φ19.1                | Φ19.1                |
|                               | Gas pipe         | mm     | Φ34.9                               | Φ31.8                           | Φ38.1                | Φ38.1                |
| Sound pressure level4         |                  | dB(A)  | 68                                  | 69                              | 69                   | 69                   |
| Sound power level4            |                  | dB(A)  | 93                                  | 93                              | 91                   | 93                   |
| Net dimensions (W×H×D)        |                  | mm     | 1880×1760×825                       | (940×1760×825)+(1340×1760×825)  |                      |                      |
| Packed dimensions (W×H×D)     |                  | mm     | 1945×1945×890                       | (1005×1945×890)+(1405×1945×890) |                      |                      |
| Net weight                    |                  | kg     | 396                                 | 215+295                         | 215+295              | 215+315              |
| Gross weight                  |                  | kg     | 426                                 | 232+315                         | 232+315              | 232+335              |
| Ambient temp. operation range | Cooling          | °C     | -15 to 55                           | -15 to 55                       | -15 to 55            | -15 to 55            |
|                               | Heating          | °C     | -30 to 30                           | -30 to 30                       | -30 to 30            | -30 to 30            |

## Notes:

- Indoor air temperature 27°C DB, 19°C WB; outdoor air temperature 35°C DB; equivalent refrigerant piping length 5m with zero level difference.
- Indoor air temperature 20°C DB; outdoor air temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 5m with zero level difference.
- Diameters given are those for the pipe connecting the outdoor unit combination to the first indoor branch joint for systems with total equivalent liquid piping lengths of less than 90m. For systems with total equivalent liquid piping lengths of 90m or longer, please refer to Part 3 "System Design and Installation" for connection piping diameters.
- Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

# V8 PRO VRF 50Hz


**40-46HP**

Table 2-1.5: 40-46HP specifications

| HP                            |                  |        | 40                                  | 42                   | 44                   | 46                   |
|-------------------------------|------------------|--------|-------------------------------------|----------------------|----------------------|----------------------|
| Model                         |                  |        | MV8-1120WV2RN1E(PRO)                | MV8-1170WV2RN1E(PRO) | MV8-1230WV2RN1E(PRO) | MV8-1285WV2RN1E(PRO) |
| Combination type              |                  |        | 16HP+24HP                           | 18HP+24HP            | 22HP+22HP            | 22HP+24HP            |
| Power supply                  |                  |        | 380-415V, 3N~, 50Hz                 |                      |                      |                      |
| Cooling1                      | Capacity         | kW     | 112.0                               | 117.0                | 123.0                | 128.5                |
|                               |                  | kBtu/h | 381.9                               | 399.0                | 419.4                | 438.2                |
|                               | Power input      | kW     | 54.6                                | 53.1                 | 55.4                 | 60.4                 |
|                               | EER              |        | 2.05                                | 2.20                 | 2.22                 | 2.13                 |
| Heating2(Rated)               | Capacity         | kW     | 112.0                               | 117.0                | 123.0                | 128.5                |
|                               |                  | kBtu/h | 381.9                               | 399.0                | 419.4                | 438.2                |
|                               | Power input      | kW     | 34.3                                | 35.3                 | 36.7                 | 38.6                 |
|                               | COP              |        | 3.27                                | 3.31                 | 3.35                 | 3.33                 |
| Heating2(Max)                 | Capacity         | kW     | 125.0                               | 131.0                | 138.0                | 144.0                |
|                               |                  | kBtu/h | 426.3                               | 446.7                | 470.6                | 491.0                |
|                               | Power input      | kW     | 41.2                                | 42.3                 | 43.9                 | 46.2                 |
|                               | COP              |        | 3.03                                | 3.10                 | 3.14                 | 3.12                 |
| SEER                          |                  |        | 6.00                                | 6.02                 | 5.93                 | 5.96                 |
| $\eta_{s,c}$                  |                  |        | 237%                                | 237.8%               | 234.2%               | 235.4%               |
| SCOP                          |                  |        | 4.09                                | 4.11                 | 4.21                 | 4.14                 |
| $\eta_{s,h}$                  |                  |        | 160.6%                              | 161.4%               | 165.4%               | 162.6%               |
| Connected indoor unit         | Total capacity   |        | 50-130% of outdoor unit capacity    |                      |                      |                      |
|                               | Maximum quantity |        | 64                                  |                      |                      |                      |
| Compressor                    | Type             |        | DC inverter                         |                      |                      |                      |
|                               | Quantity         |        | 3                                   | 4                    | 4                    | 4                    |
|                               | Oil type         |        | FVC68D                              |                      |                      |                      |
|                               | Start-up method  |        | Soft start                          |                      |                      |                      |
|                               | Type             |        | Propeller                           |                      |                      |                      |
| Fan                           | Motor type       |        | DC                                  |                      |                      |                      |
|                               | Quantity         |        | 3                                   | 4                    | 4                    | 4                    |
|                               | Motor output     | kW     | 0.56×2+0.92                         | 0.56×4               | 0.56×4               | 0.56×4               |
|                               | Static pressure  | Pa     | 0-20 (default); 20-120 (customized) |                      |                      |                      |
|                               | Airflow rate     | m3/h   | 37100                               | 43500                | 43000                | 43000                |
|                               | Drive type       |        | Direct                              |                      |                      |                      |
|                               | Type             |        | R410A                               |                      |                      |                      |
| Refrigerant                   | Factory charge   | kg     | 8.4+11.96                           | 9.3+11.96            | 11.96×2              | 11.96×2              |
| Pipe connections3             | Liquid pipe      | mm     | Φ19.1                               | Φ19.1                | Φ19.1                | Φ19.1                |
|                               | Gas pipe         | mm     | Φ38.1                               | Φ38.1                | Φ38.1                | Φ38.1                |
| Sound pressure level4         |                  | dB(A)  | 69                                  | 69                   | 69                   | 70                   |
| Sound power level4            |                  | dB(A)  | 93                                  | 94                   | 92                   | 94                   |
| Net dimensions (W×H×D)        |                  | mm     | (940×1760×825)+(1340×1760×825)      | (1340×1760×825)×2    |                      |                      |
| Packed dimensions (W×H×D)     |                  | mm     | (1005×1945×890)+(1405×1945×890)     | (1405×1945×890)×2    |                      |                      |
| Net weight                    |                  | kg     | 215+315                             | 295+315              | 315×2                | 315×2                |
| Gross weight                  |                  | kg     | 232+335                             | 315+335              | 335×2                | 335×2                |
| Ambient temp. operation range | Cooling          | °C     | -15 to 55                           | -15 to 55            | -15 to 55            | -15 to 55            |
|                               | Heating          | °C     | -30 to 30                           | -30 to 30            | -30 to 30            | -30 to 30            |

Notes:

- Indoor air temperature 27°C DB, 19°C WB; outdoor air temperature 35°C DB; equivalent refrigerant piping length 5m with zero level difference.
- Indoor air temperature 20°C DB; outdoor air temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 5m with zero level difference.
- Diameters given are those for the pipe connecting the outdoor unit combination to the first indoor branch joint for systems with total equivalent liquid piping lengths of less than 90m. For systems with total equivalent liquid piping lengths of 90m or longer, please refer to Part 3 "System Design and Installation" for connection piping diameters.
- Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.



**48-54HP**

Table 2-1.6: 48-54HP specifications

| HP                            |                  |        | 48                                  | 50                              | 52                   | 54                   |
|-------------------------------|------------------|--------|-------------------------------------|---------------------------------|----------------------|----------------------|
| Model                         |                  |        | MV8-1340WV2RN1E(PRO)                | MV8-1400WV2RN1E(PRO)            | MV8-1460WV2RN1E(PRO) | MV8-1515WV2RN1E(PRO) |
| Combination type              |                  |        | 24HP+24HP                           | 18HP+32HP                       | 20HP+32HP            | 22HP+32HP            |
| Power supply                  |                  |        | 380-415V, 3N~, 50Hz                 |                                 |                      |                      |
| Cooling1                      | Capacity         | kW     | 134.0                               | 140.0                           | 146.0                | 151.5                |
|                               |                  | kBtu/h | 456.9                               | 477.4                           | 497.9                | 516.6                |
|                               | Power input      | kW     | 65.4                                | 64.3                            | 69.9                 | 71.6                 |
|                               | EER              |        | 2.05                                | 2.18                            | 2.09                 | 2.12                 |
| Heating2(Rated)               | Capacity         | kW     | 134.0                               | 140.0                           | 146.0                | 151.5                |
|                               |                  | kBtu/h | 456.9                               | 477.4                           | 497.9                | 516.6                |
|                               | Power input      | kW     | 40.5                                | 45.0                            | 47.1                 | 48.3                 |
|                               | COP              |        | 3.31                                | 3.11                            | 3.10                 | 3.14                 |
| Heating2(Max)                 | Capacity         | kW     | 150.0                               | 156.0                           | 163.0                | 169.0                |
|                               |                  | kBtu/h | 511.5                               | 532.0                           | 555.8                | 576.3                |
|                               | Power input      | kW     | 48.5                                | 53.2                            | 55.9                 | 57.1                 |
|                               | COP              |        | 3.09                                | 2.93                            | 2.92                 | 2.96                 |
| SEER                          |                  |        | 5.98                                | 5.88                            | 5.87                 | 5.82                 |
| ηs,c                          |                  |        | 236.2%                              | 232.2%                          | 231.8%               | 229.8%               |
| SCOP                          |                  |        | 4.08                                | 4.01                            | 3.97                 | 4.05                 |
| ηs,h                          |                  |        | 160.2%                              | 157.4%                          | 155.8%               | 159%                 |
| Connected indoor unit         | Total capacity   |        | 50-130% of outdoor unit capacity    |                                 |                      |                      |
|                               | Maximum quantity |        | 64                                  |                                 |                      |                      |
| Compressor                    | Type             |        | DC inverter                         |                                 |                      |                      |
|                               | Quantity         |        | 4                                   |                                 |                      |                      |
|                               | Oil type         |        | FVC68D                              |                                 |                      |                      |
|                               | Start-up method  |        | Soft start                          |                                 |                      |                      |
| Fan                           | Type             |        | Propeller                           |                                 |                      |                      |
|                               | Motor type       |        | DC                                  |                                 |                      |                      |
|                               | Quantity         |        | 4                                   |                                 |                      |                      |
|                               | Motor output     | kW     | 0.56×4                              | 0.56×2+0.92×2                   | 0.56×2+0.92×2        | 0.56×2+0.92×2        |
|                               | Static pressure  | Pa     | 0-20 (default); 20-120 (customized) |                                 |                      |                      |
|                               | Airflow rate     | m3/h   | 43000                               | 50000                           | 50000                | 49500                |
|                               | Drive type       |        | Direct                              |                                 |                      |                      |
| Refrigerant                   | Type             |        | R410A                               |                                 |                      |                      |
|                               | Factory charge   | kg     | 11.96×2                             | 9.3+11.96                       | 9.3+11.96            | 11.96×2              |
| Pipe connections3             | Liquid pipe      | mm     | Φ19.1                               | Φ19.1                           | Φ19.1                | Φ19.1                |
|                               | Gas pipe         | mm     | Φ38.1                               | Φ38.1                           | Φ38.1                | Φ38.1                |
| Sound pressure level4         |                  | dB(A)  | 70                                  | 70                              | 70                   | 70                   |
| Sound power level4            |                  | dB(A)  | 95                                  | 94                              | 95                   | 95                   |
| Net dimensions (W×H×D)        |                  | mm     | (1340×1760×825)×2                   | (1340×1760×825)+(1880×1760×825) |                      |                      |
| Packed dimensions (W×H×D)     |                  | mm     | (1405×1945×890)×2                   | (1405×1945×890)+(1945×1945×890) |                      |                      |
| Net weight                    |                  | kg     | 315×2                               | 295+396                         | 295+396              | 315+396              |
| Gross weight                  |                  | kg     | 335×2                               | 315+426                         | 315+426              | 335+426              |
| Ambient temp. operation range | Cooling          | ℃      | -15 to 55                           | -15 to 55                       | -15 to 55            | -15 to 55            |
|                               | Heating          | ℃      | -30 to 30                           | -30 to 30                       | -30 to 30            | -30 to 30            |

- Notes:
- Indoor air temperature 27°C DB, 19°C WB; outdoor air temperature 35°C DB; equivalent refrigerant piping length 5m with zero level difference.
  - Indoor air temperature 20°C DB; outdoor air temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 5m with zero level difference.
  - Diameters given are those for the pipe connecting the outdoor unit combination to the first indoor branch joint for systems with total equivalent liquid piping lengths of less than 90m. For systems with total equivalent liquid piping lengths of 90m or longer, please refer to Part 3 "System Design and Installation" for connection piping diameters.
  - Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

# V8 PRO VRF 50Hz



56-62HP

Table 2-1.7: 56-62HP specifications

| HP                            |                  |        | 56                                  | 58                   | 60                   | 62                   |
|-------------------------------|------------------|--------|-------------------------------------|----------------------|----------------------|----------------------|
| Model                         |                  |        | MV8-1570WV2RN1E(PRO)                | MV8-1630WV2RN1E(PRO) | MV8-1685WV2RN1E(PRO) | MV8-1750WV2RN1E(PRO) |
| Combination type              |                  |        | 24HP+32HP                           | 26HP+32HP            | 28HP+32HP            | 30HP+32HP            |
| Power supply                  |                  |        | 380-415V, 3N~, 50Hz                 |                      |                      |                      |
| Cooling1                      | Capacity         | kW     | 157.0                               | 163.0                | 168.5                | 175.0                |
|                               |                  | kBtu/h | 535.4                               | 555.8                | 574.6                | 596.8                |
|                               | Power input      | kW     | 76.6                                | 82.1                 | 76.3                 | 81.7                 |
|                               | EER              |        | 2.05                                | 1.99                 | 2.21                 | 2.14                 |
| Heating2(Rated)               | Capacity         | kW     | 157.0                               | 163.0                | 168.5                | 175.0                |
|                               |                  | kBtu/h | 535.4                               | 555.8                | 574.6                | 596.8                |
|                               | Power input      | kW     | 50.1                                | 53.1                 | 54.4                 | 57.2                 |
|                               | COP              |        | 3.13                                | 3.07                 | 3.10                 | 3.06                 |
| Heating2(Max)                 | Capacity         | kW     | 175.0                               | 181.5                | 187.5                | 195.0                |
|                               |                  | kBtu/h | 596.8                               | 618.9                | 639.4                | 665.0                |
|                               | Power input      | kW     | 59.4                                | 63.1                 | 65.0                 | 67.7                 |
|                               | COP              |        | 2.95                                | 2.88                 | 2.88                 | 2.88                 |
| SEER                          |                  |        | 5.85                                | 5.70                 | 5.83                 | 5.78                 |
| $\eta_{s,c}$                  |                  |        | 231%                                | 225%                 | 230.2%               | 228.2%               |
| SCOP                          |                  |        | 4.00                                | 4.04                 | 4.03                 | 3.97                 |
| $\eta_{s,h}$                  |                  |        | 157%                                | 158.6%               | 158.2%               | 155.8%               |
| Connected indoor unit         | Total capacity   |        | 50-130% of outdoor unit capacity    |                      |                      |                      |
|                               | Maximum quantity |        | 64                                  |                      |                      |                      |
| Compressor                    | Type             |        | DC inverter                         |                      |                      |                      |
|                               | Quantity         |        | 4                                   |                      |                      |                      |
|                               | Oil type         |        | FVC68D                              |                      |                      |                      |
|                               | Start-up method  |        | Soft start                          |                      |                      |                      |
| Fan                           | Type             |        | Propeller                           |                      |                      |                      |
|                               | Motor type       |        | DC                                  |                      |                      |                      |
|                               | Quantity         |        | 4                                   |                      |                      |                      |
|                               | Motor output     | kW     | 0.56×2+0.92×2                       | 0.92×4               | 0.92×4               | 0.92×4               |
|                               | Static pressure  | Pa     | 0-20 (default); 20-120 (customized) |                      |                      |                      |
|                               | Airflow rate     | m3/h   | 49500                               | 57000                | 56000                | 56000                |
|                               | Drive type       |        | Direct                              |                      |                      |                      |
| Refrigerant                   | Type             |        | R410A                               |                      |                      |                      |
|                               | Factory charge   | kg     | 11.96×2                             | 11.96×2              | 11.96×2              | 11.96×2              |
| Pipe connections3             | Liquid pipe      | mm     | Φ19.1                               | Φ19.1                | Φ19.1                | Φ19.1                |
|                               | Gas pipe         | mm     | Φ41.3                               | Φ41.3                | Φ41.3                | Φ41.3                |
| Sound pressure level4         |                  | dB(A)  | 71                                  | 71                   | 71                   | 71                   |
| Sound power level4            |                  | dB(A)  | 96                                  | 96                   | 96                   | 96                   |
| Net dimensions (W×H×D)        |                  | mm     | (1340×1760×825)+(1880×1760×825)     |                      |                      |                      |
| Packed dimensions (W×H×D)     |                  | mm     | (1405×1945×890)+(1945×1945×890)     |                      |                      |                      |
| Net weight                    |                  | kg     | 315+396                             | 366+396              | 396×2                | 396×2                |
| Gross weight                  |                  | kg     | 335+426                             | 396+426              | 426×2                | 426×2                |
| Ambient temp. operation range | Cooling          | °C     | -15 to 55                           | -15 to 55            | -15 to 55            | -15 to 55            |
|                               | Heating          | °C     | -30 to 30                           | -30 to 30            | -30 to 30            | -30 to 30            |

Notes:

- Indoor air temperature 27°C DB, 19°C WB; outdoor air temperature 35°C DB; equivalent refrigerant piping length 5m with zero level difference.
- Indoor air temperature 20°C DB; outdoor air temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 5m with zero level difference.
- Diameters given are those for the pipe connecting the outdoor unit combination to the first indoor branch joint for systems with total equivalent liquid piping lengths of less than 90m. For systems with total equivalent liquid piping lengths of 90m or longer, please refer to Part 3 "System Design and Installation" for connection piping diameters.
- Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

**64-70HP**

Table 2-1.8: 64-70HP specifications

| HP                            |                  |        | 64                                  | 66                                              | 68                    | 70                    |
|-------------------------------|------------------|--------|-------------------------------------|-------------------------------------------------|-----------------------|-----------------------|
| Model                         |                  |        | MV8-1800WV2RN1E(PRO)                | MV8-1860WV2RN1E(PRO)                            | MV8-1910WV2RN1E(PRO)  | MV8-1970WV2RN1E(PRO)  |
| Combination type              |                  |        | <b>32HP+32HP</b>                    | <b>14HP+20HP+32HP</b>                           | <b>16HP+20HP+32HP</b> | <b>14HP+24HP+32HP</b> |
| Power supply                  |                  |        | 380-415V, 3N~, 50Hz                 |                                                 |                       |                       |
| Cooling1                      | Capacity         | kW     | 180.0                               | 186.0                                           | 191.0                 | 197.0                 |
|                               |                  | kBtu/h | 613.8                               | 634.3                                           | 651.3                 | 671.8                 |
|                               | Power input      | kW     | 87.8                                | 87.0                                            | 91.9                  | 93.6                  |
|                               | EER              |        | 2.05                                | 2.14                                            | 2.08                  | 2.10                  |
| Heating2(Rated)               | Capacity         | kW     | 180.0                               | 186.0                                           | 191.0                 | 197.0                 |
|                               |                  | kBtu/h | 613.8                               | 634.3                                           | 651.3                 | 671.8                 |
|                               | Power input      | kW     | 59.8                                | 58.7                                            | 61.1                  | 61.7                  |
|                               | COP              |        | 3.01                                | 3.17                                            | 3.13                  | 3.19                  |
| Heating2(Max)                 | Capacity         | kW     | 200.0                               | 208.0                                           | 213.0                 | 220.0                 |
|                               |                  | kBtu/h | 682.0                               | 709.3                                           | 726.3                 | 750.2                 |
|                               | Power input      | kW     | 70.2                                | 70.3                                            | 72.9                  | 73.7                  |
|                               | COP              |        | 2.85                                | 2.96                                            | 2.92                  | 2.99                  |
| SEER                          |                  |        | 5.75                                | 5.95                                            | 5.91                  | 5.92                  |
| ηs,c                          |                  |        | 227.0%                              | 235.0%                                          | 233.4%                | 233.8%                |
| SCOP                          |                  |        | 3.95                                | 4.01                                            | 3.98                  | 4.04                  |
| ηs,h                          |                  |        | 155.0%                              | 157.4%                                          | 156.2%                | 158.6%                |
| Connected indoor unit         | Total capacity   |        | 50-130% of outdoor unit capacity    |                                                 |                       |                       |
|                               | Maximum quantity |        | 64                                  |                                                 |                       |                       |
| Compressor                    | Type             |        | DC inverter                         |                                                 |                       |                       |
|                               | Quantity         |        | 4                                   | 5                                               | 5                     | 5                     |
|                               | Oil type         |        | FVC68D                              |                                                 |                       |                       |
|                               | Start-up method  |        | Soft start                          |                                                 |                       |                       |
| Fan                           | Type             |        | Propeller                           |                                                 |                       |                       |
|                               | Motor type       |        | DC                                  |                                                 |                       |                       |
|                               | Quantity         |        | 4                                   | 5                                               | 5                     | 5                     |
|                               | Motor output     | kW     | 0.92×4                              | 0.56×2+0.92×3                                   | 0.56×2+0.92×3         | 0.56×2+0.92×3         |
|                               | Static pressure  | Pa     | 0-20 (default); 20-120 (customized) |                                                 |                       |                       |
|                               | Airflow rate     | m3/h   | 56000                               | 65600                                           | 65600                 | 65100                 |
|                               | Drive type       |        | Direct                              |                                                 |                       |                       |
| Refrigerant                   | Type             |        | R410A                               |                                                 |                       |                       |
|                               | Factory charge   | kg     | 11.96×2                             | 8.4+9.3+11.96                                   | 8.4+9.3+11.96         | 8.4+11.96×2           |
| Pipe connections3             | Liquid pipe      | mm     | Φ19.1                               | Φ19.1                                           | Φ22.2                 | Φ22.2                 |
|                               | Gas pipe         | mm     | Φ41.3                               | Φ41.3                                           | Φ44.5                 | Φ44.5                 |
| Sound pressure level4         |                  | dB(A)  | 71                                  | 71                                              | 72                    | 72                    |
| Sound power level4            |                  | dB(A)  | 96                                  | 95                                              | 95                    | 96                    |
| Net dimensions (W×H×D)        |                  | mm     | (1880×1760×825)×2                   | (940×1760×825)+(1340×1760×825)+(1880×1760×825)  |                       |                       |
| Packed dimensions (W×H×D)     |                  | mm     | (1945×1945×890)×2                   | (1005×1945×890)+(1405×1945×890)+(1945×1945×890) |                       |                       |
| Net weight                    |                  | kg     | 396×2                               | 215+295+396                                     | 215+295+396           | 215+315+396           |
| Gross weight                  |                  | kg     | 426×2                               | 232+315+426                                     | 232+315+426           | 232+335+426           |
| Ambient temp. operation range | Cooling          | °C     | -15 to 55                           | -15 to 55                                       | -15 to 55             | -15 to 55             |
|                               | Heating          | °C     | -30 to 30                           | -30 to 30                                       | -30 to 30             | -30 to 30             |

## Notes:

- Indoor air temperature 27°C DB, 19°C WB; outdoor air temperature 35°C DB; equivalent refrigerant piping length 5m with zero level difference.
- Indoor air temperature 20°C DB; outdoor air temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 5m with zero level difference.
- Diameters given are those for the pipe connecting the outdoor unit combination to the first indoor branch joint for systems with total equivalent liquid piping lengths of less than 90m. For systems with total equivalent liquid piping lengths of 90m or longer, please refer to Part 3 "System Design and Installation" for connection piping diameters.
- Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

# V8 PRO VRF 50Hz



## 72-74HP

Table 2-1.9: 72-74HP specifications

| HP                            |                  |        | 72                                              | 74                                |
|-------------------------------|------------------|--------|-------------------------------------------------|-----------------------------------|
| Model                         |                  |        | MV8-2020WV2RN1E(PRO)                            | MV8-2070WV2RN1E(PRO)              |
| Combination type              |                  |        | 16HP+24HP+32HP                                  | 18HP+24HP+32HP                    |
| Power supply                  |                  |        | 380-415V, 3N~, 50Hz                             |                                   |
| Cooling1                      | Capacity         | kW     | 202.0                                           | 207.0                             |
|                               |                  | kBtu/h | 688.8                                           | 705.9                             |
|                               | Power input      | kW     | 98.5                                            | 97.0                              |
|                               | EER              |        | 2.05                                            | 2.13                              |
| Heating2(Rated)               | Capacity         | kW     | 202.0                                           | 207.0                             |
|                               |                  | kBtu/h | 688.8                                           | 705.9                             |
|                               | Power input      | kW     | 64.2                                            | 65.2                              |
|                               | COP              |        | 3.15                                            | 3.17                              |
| Heating2(Max)                 | Capacity         | kW     | 225.0                                           | 231.0                             |
|                               |                  | kBtu/h | 767.3                                           | 787.7                             |
|                               | Power input      | kW     | 76.3                                            | 77.4                              |
|                               | COP              |        | 2.95                                            | 2.98                              |
| SEER                          |                  |        | 5.89                                            | 5.90                              |
| ηs,c                          |                  |        | 232.6%                                          | 233%                              |
| SCOP                          |                  |        | 4.02                                            | 4.04                              |
| ηs,h                          |                  |        | 157.8%                                          | 158.6%                            |
| Connected indoor unit         | Total capacity   |        | 50-130% of outdoor unit capacity                |                                   |
|                               | Maximum quantity |        | 64                                              |                                   |
| Compressor                    | Type             |        | DC inverter                                     |                                   |
|                               | Quantity         |        | 5                                               | 6                                 |
|                               | Oil type         |        | FVC68D                                          |                                   |
|                               | Start-up method  |        | Soft start                                      |                                   |
| Fan                           | Type             |        | Propeller                                       |                                   |
|                               | Motor type       |        | DC                                              |                                   |
|                               | Quantity         |        | 5                                               | 6                                 |
|                               | Motor output     | kW     | 0.56×2+0.92×3                                   | 0.56×4+0.92×2                     |
|                               | Static pressure  | Pa     | 0-20 (default); 20-120 (customized)             |                                   |
|                               | Airflow rate     | m3/h   | 65100                                           | 71500                             |
|                               | Drive type       |        | Direct                                          |                                   |
| Refrigerant                   | Type             |        | R410A                                           |                                   |
|                               | Factory charge   | kg     | 8.4+11.96×2                                     | 9.3+11.96×2                       |
| Pipe connections3             | Liquid pipe      | mm     | Φ22.2                                           | Φ22.2                             |
|                               | Gas pipe         | mm     | Φ44.5                                           | Φ44.5                             |
| Sound pressure level4         |                  | dB(A)  | 72                                              | 72                                |
| Sound power level4            |                  | dB(A)  | 96                                              | 96                                |
| Net dimensions (W×H×D)        |                  | mm     | (940×1760×825)+(1340×1760×825)+(1880×1760×825)  | (1340×1760×825)×2+(1880×1760×825) |
| Packed dimensions (W×H×D)     |                  | mm     | (1005×1945×890)+(1405×1945×890)+(1945×1945×890) | (1405×1945×890)×2+(1945×1945×890) |
| Net weight                    |                  | kg     | 215+315+396                                     | 295+315+396                       |
| Gross weight                  |                  | kg     | 232+335+426                                     | 315+335+426                       |
| Ambient temp. operation range | Cooling          | ℃      | -15 to 55                                       | -15 to 55                         |
|                               | Heating          | ℃      | -30 to 30                                       | -30 to 30                         |

### Notes:

- Indoor air temperature 27°C DB, 19°C WB; outdoor air temperature 35°C DB; equivalent refrigerant piping length 5m with zero level difference.
- Indoor air temperature 20°C DB; outdoor air temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 5m with zero level difference.
- Diameters given are those for the pipe connecting the outdoor unit combination to the first indoor branch joint for systems with total equivalent liquid piping lengths of less than 90m. For systems with total equivalent liquid piping lengths of 90m or longer, please refer to Part 3 "System Design and Installation" for connection piping diameters.
- Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

**76-80HP**

Table 2-1.10: 76-80HP specifications

| HP                            |                  |        | 76                                  | 78                   | 80                   |
|-------------------------------|------------------|--------|-------------------------------------|----------------------|----------------------|
| Model                         |                  |        | MV8-2130WV2RN1E(PRO)                | MV8-2185WV2RN1E(PRO) | MV8-2240WV2RN1E(PRO) |
| Combination type              |                  |        | 22HP+22HP+32HP                      | 22HP+24HP+32HP       | 24HP+24HP+32HP       |
| Power supply                  |                  |        | 380-415V, 3N~, 50Hz                 |                      |                      |
| Cooling1                      | Capacity         | kW     | 213.0                               | 218.5                | 224.0                |
|                               |                  | kBtu/h | 726.3                               | 745.1                | 763.8                |
|                               | Power input      | kW     | 99.3                                | 104.3                | 109.3                |
|                               | EER              |        | 2.15                                | 2.09                 | 2.05                 |
| Heating2(Rated)               | Capacity         | kW     | 213.0                               | 218.5                | 224.0                |
|                               |                  | kBtu/h | 726.3                               | 745.1                | 763.8                |
|                               | Power input      | kW     | 66.6                                | 68.5                 | 70.4                 |
|                               | COP              |        | 3.20                                | 3.19                 | 3.18                 |
| Heating2(Max)                 | Capacity         | kW     | 238.0                               | 244.0                | 250.0                |
|                               |                  | kBtu/h | 811.6                               | 832.0                | 852.5                |
|                               | Power input      | kW     | 79.0                                | 81.3                 | 83.6                 |
|                               | COP              |        | 3.01                                | 3.00                 | 2.99                 |
| SEER                          |                  |        | 5.85                                | 5.87                 | 5.89                 |
| ηs,c                          |                  |        | 231%                                | 231.8%               | 232.6%               |
| SCOP                          |                  |        | 4.10                                | 4.06                 | 4.03                 |
| ηs,h                          |                  |        | 161%                                | 159.4%               | 158.2%               |
| Connected indoor unit         | Total capacity   |        | 50-130% of outdoor unit capacity    |                      |                      |
|                               | Maximum quantity |        | 64                                  |                      |                      |
| Compressor                    | Type             |        | DC inverter                         |                      |                      |
|                               | Quantity         |        | 6                                   | 6                    | 6                    |
|                               | Oil type         |        | FVC68D                              |                      |                      |
|                               | Start-up method  |        | Soft start                          |                      |                      |
| Fan                           | Type             |        | Propeller                           |                      |                      |
|                               | Motor type       |        | DC                                  |                      |                      |
|                               | Quantity         |        | 6                                   | 6                    | 6                    |
|                               | Motor output     | kW     | 0.56×4+0.92×2                       | 0.56×4+0.92×2        | 0.56×4+0.92×2        |
|                               | Static pressure  | Pa     | 0-20 (default); 20-120 (customized) |                      |                      |
|                               | Airflow rate     | m3/h   | 71000                               | 71000                | 71000                |
|                               | Drive type       |        | Direct                              |                      |                      |
| Refrigerant                   | Type             |        | R410A                               |                      |                      |
|                               | Factory charge   | kg     | 11.96×3                             | 11.96×3              | 11.96×3              |
| Pipe connections3             | Liquid pipe      | mm     | Φ22.2                               | Φ22.2                | Φ22.2                |
|                               | Gas pipe         | mm     | Φ44.5                               | Φ44.5                | Φ44.5                |
| Sound pressure level4         |                  | dB(A)  | 72                                  | 72                   | 72                   |
| Sound power level4            |                  | dB(A)  | 96                                  | 96                   | 97                   |
| Net dimensions (W×H×D)        |                  | mm     | (1340×1760×825)×2+(1880×1760×825)   |                      |                      |
| Packed dimensions (W×H×D)     |                  | mm     | (1405×1945×890)×2+(1945×1945×890)   |                      |                      |
| Net weight                    |                  | kg     | 315×2+396                           | 315×2+396            | 315×2+396            |
| Gross weight                  |                  | kg     | 335×2+426                           | 335×2+426            | 335×2+426            |
| Ambient temp. operation range | Cooling          | ℃      | -15 to 55                           | -15 to 55            | -15 to 55            |
|                               | Heating          | ℃      | -30 to 30                           | -30 to 30            | -30 to 30            |

## Notes:

- Indoor air temperature 27°C DB, 19°C WB; outdoor air temperature 35°C DB; equivalent refrigerant piping length 5m with zero level difference.
- Indoor air temperature 20°C DB; outdoor air temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 5m with zero level difference.
- Diameters given are those for the pipe connecting the outdoor unit combination to the first indoor branch joint for systems with total equivalent liquid piping lengths of less than 90m. For systems with total equivalent liquid piping lengths of 90m or longer, please refer to Part 3 "System Design and Installation" for connection piping diameters.
- Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

# V8 PRO VRF 50Hz


**82-88HP**

Table 2-1.11: 82-88HP specifications

| HP                            |                  |        | 82                                  | 84                   | 86                   | 88                   |
|-------------------------------|------------------|--------|-------------------------------------|----------------------|----------------------|----------------------|
| Model                         |                  |        | MV8-2300WV2RN1E(PRO)                | MV8-2360WV2RN1E(PRO) | MV8-2415WV2RN1E(PRO) | MV8-2470WV2RN1E(PRO) |
| Combination type              |                  |        | 18HP+32HP+32HP                      | 20HP+32HP+32HP       | 22HP+32HP+32HP       | 24HP+32HP+32HP       |
| Power supply                  |                  |        | 380-415V, 3N~, 50Hz                 |                      |                      |                      |
| Cooling1                      | Capacity         | kW     | 230.0                               | 236.0                | 241.5                | 247.0                |
|                               |                  | kBtu/h | 784.3                               | 804.8                | 823.5                | 842.3                |
|                               | Power input      | kW     | 108.2                               | 113.9                | 115.5                | 120.5                |
|                               | EER              |        | 2.13                                | 2.07                 | 2.09                 | 2.05                 |
| Heating2(Rated)               | Capacity         | kW     | 230.0                               | 236.0                | 241.5                | 247.0                |
|                               |                  | kBtu/h | 784.3                               | 804.8                | 823.5                | 842.3                |
|                               | Power input      | kW     | 74.9                                | 77.0                 | 78.2                 | 80.0                 |
|                               | COP              |        | 3.07                                | 3.06                 | 3.09                 | 3.09                 |
| Heating2(Max)                 | Capacity         | kW     | 256.0                               | 263.0                | 269.0                | 275.0                |
|                               |                  | kBtu/h | 873.0                               | 896.8                | 917.3                | 937.8                |
|                               | Power input      | kW     | 88.2                                | 91.0                 | 92.1                 | 94.4                 |
|                               | COP              |        | 2.90                                | 2.89                 | 2.92                 | 2.91                 |
| SEER                          |                  |        | 5.85                                | 5.83                 | 5.79                 | 5.81                 |
| ηs,c                          |                  |        | 231%                                | 230.2%               | 228.6%               | 229.4%               |
| SCOP                          |                  |        | 3.99                                | 3.96                 | 4.01                 | 3.98                 |
| ηs,h                          |                  |        | 156.6%                              | 155.4%               | 157.4%               | 156.2%               |
| Connected indoor unit         | Total capacity   |        | 50-130% of outdoor unit capacity    |                      |                      |                      |
|                               | Maximum quantity |        | 64                                  |                      |                      |                      |
| Compressor                    | Type             |        | DC inverter                         |                      |                      |                      |
|                               | Quantity         |        | 6                                   | 6                    | 6                    | 6                    |
|                               | Oil type         |        | FVC68D                              |                      |                      |                      |
|                               | Start-up method  |        | Soft start                          |                      |                      |                      |
| Fan                           | Type             |        | Propeller                           |                      |                      |                      |
|                               | Motor type       |        | DC                                  |                      |                      |                      |
|                               | Quantity         |        | 6                                   | 6                    | 6                    | 6                    |
|                               | Motor output     | kW     | 0.56×2+0.92×4                       | 0.56×2+0.92×4        | 0.56×2+0.92×4        | 0.56×2+0.92×4        |
|                               | Static pressure  | Pa     | 0-20 (default); 20-120 (customized) |                      |                      |                      |
|                               | Airflow rate     | m3/h   | 78000                               | 78000                | 77500                | 77500                |
|                               | Drive type       |        | Direct                              |                      |                      |                      |
| Refrigerant                   | Type             |        | R410A                               |                      |                      |                      |
|                               | Factory charge   | kg     | 9.3+11.96×2                         | 9.3+11.96×2          | 11.96×3              | 11.96×3              |
| Pipe connections3             | Liquid pipe      | mm     | Φ22.2                               | Φ25.4                | Φ25.4                | Φ25.4                |
|                               | Gas pipe         | mm     | Φ44.5                               | Φ50.8                | Φ50.8                | Φ50.8                |
| Sound pressure level4         |                  | dB(A)  | 72                                  | 72                   | 72                   | 72                   |
| Sound power level4            |                  | dB(A)  | 97                                  | 97                   | 97                   | 98                   |
| Net dimensions (W×H×D)        |                  | mm     | (1340×1760×825)+(1880×1760×825)×2   |                      |                      |                      |
| Packed dimensions (W×H×D)     |                  | mm     | (1405×1945×890)+(1945×1945×890)×2   |                      |                      |                      |
| Net weight                    |                  | kg     | 295+396×2                           | 295+396×2            | 315+396×2            | 315+396×2            |
| Gross weight                  |                  | kg     | 315+426×2                           | 315+426×2            | 335+426×2            | 335+426×2            |
| Ambient temp. operation range | Cooling          | °C     | -15 to 55                           | -15 to 55            | -15 to 55            | -15 to 55            |
|                               | Heating          | °C     | -30 to 30                           | -30 to 30            | -30 to 30            | -30 to 30            |

Notes:

- Indoor air temperature 27°C DB, 19°C WB; outdoor air temperature 35°C DB; equivalent refrigerant piping length 5m with zero level difference.
- Indoor air temperature 20°C DB; outdoor air temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 5m with zero level difference.
- Diameters given are those for the pipe connecting the outdoor unit combination to the first indoor branch joint for systems with total equivalent liquid piping lengths of less than 90m. For systems with total equivalent liquid piping lengths of 90m or longer, please refer to Part 3 "System Design and Installation" for connection piping diameters.
- Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

**90-96HP**

Table 2-1.12: 90-96HP specifications

| HP                            |                  |        | 90                                  | 92                   | 94                   | 96                   |
|-------------------------------|------------------|--------|-------------------------------------|----------------------|----------------------|----------------------|
| Model                         |                  |        | MV8-2530WV2RN1E(PRO)                | MV8-2585WV2RN1E(PRO) | MV8-2650WV2RN1E(PRO) | MV8-2700WV2RN1E(PRO) |
| Combination type              |                  |        | 26HP+32HP+32HP                      | 28HP+32HP+32HP       | 30HP+32HP+32HP       | 32HP+32HP+32HP       |
| Power supply                  |                  |        | 380-415V, 3N~, 50Hz                 |                      |                      |                      |
| Cooling1                      | Capacity         | kW     | 253.0                               | 258.5                | 265.0                | 270.0                |
|                               |                  | kBtu/h | 862.7                               | 881.5                | 903.7                | 920.7                |
|                               | Power input      | kW     | 126.0                               | 120.2                | 125.6                | 131.7                |
|                               | EER              |        | 2.01                                | 2.15                 | 2.11                 | 2.05                 |
| Heating2(Rated)               | Capacity         | kW     | 253.0                               | 258.5                | 265.0                | 270.0                |
|                               |                  | kBtu/h | 862.7                               | 881.5                | 903.7                | 920.7                |
|                               | Power input      | kW     | 83.0                                | 84.3                 | 87.1                 | 89.7                 |
|                               | COP              |        | 3.05                                | 3.07                 | 3.04                 | 3.01                 |
| Heating2(Max)                 | Capacity         | kW     | 281.5                               | 287.5                | 295.0                | 300.0                |
|                               |                  | kBtu/h | 959.9                               | 980.4                | 1006.0               | 1023.0               |
|                               | Power input      | kW     | 98.2                                | 100.0                | 102.8                | 105.3                |
|                               | COP              |        | 2.87                                | 2.88                 | 2.87                 | 2.85                 |
| SEER                          |                  |        | 5.72                                | 5.80                 | 5.77                 | 5.75                 |
| ηs,c                          |                  |        | 225.8%                              | 229%                 | 227.8%               | 227%                 |
| SCOP                          |                  |        | 4.01                                | 4.00                 | 3.97                 | 3.95                 |
| ηs,h                          |                  |        | 157.4%                              | 157%                 | 155.8%               | 155%                 |
| Connected indoor unit         | Total capacity   |        | 50-130% of outdoor unit capacity    |                      |                      |                      |
|                               | Maximum quantity |        | 64                                  |                      |                      |                      |
| Compressor                    | Type             |        | DC inverter                         |                      |                      |                      |
|                               | Quantity         |        | 6                                   | 6                    | 6                    | 6                    |
|                               | Oil type         |        | FVC68D                              |                      |                      |                      |
|                               | Start-up method  |        | Soft start                          |                      |                      |                      |
| Fan                           | Type             |        | Propeller                           |                      |                      |                      |
|                               | Motor type       |        | DC                                  |                      |                      |                      |
|                               | Quantity         |        | 6                                   | 6                    | 6                    | 6                    |
|                               | Motor output     | kW     | 0.92×6                              | 0.92×6               | 0.92×6               | 0.92×6               |
|                               | Static pressure  | Pa     | 0-20 (default); 20-120 (customized) |                      |                      |                      |
|                               | Airflow rate     | m3/h   | 85000                               | 84000                | 84000                | 84000                |
|                               | Drive type       |        | Direct                              |                      |                      |                      |
| Refrigerant                   | Type             |        | R410A                               |                      |                      |                      |
|                               | Factory charge   | kg     | 11.96×3                             | 11.96×3              | 11.96×3              | 11.96×3              |
| Pipe connections3             | Liquid pipe      | mm     | Φ25.4                               | Φ25.4                | Φ25.4                | Φ25.4                |
|                               | Gas pipe         | mm     | Φ50.8                               | Φ50.8                | Φ50.8                | Φ50.8                |
| Sound pressure level4         |                  | dB(A)  | 73                                  | 73                   | 73                   | 73                   |
| Sound power level4            |                  | dB(A)  | 98                                  | 98                   | 98                   | 98                   |
| Net dimensions (W×H×D)        |                  | mm     | (1880×1760×825)×3                   |                      |                      |                      |
| Packed dimensions (W×H×D)     |                  | mm     | (1945×1945×890)×3                   |                      |                      |                      |
| Net weight                    |                  | kg     | 366+396×2                           | 396×3                | 396×3                | 396×3                |
| Gross weight                  |                  | kg     | 396+426×2                           | 426×3                | 426×3                | 426×3                |
| Ambient temp. operation range | Cooling          | °C     | -15 to 55                           | -15 to 55            | -15 to 55            | -15 to 55            |
|                               | Heating          | °C     | -30 to 30                           | -30 to 30            | -30 to 30            | -30 to 30            |

## Notes:

- Indoor air temperature 27°C DB, 19°C WB; outdoor air temperature 35°C DB; equivalent refrigerant piping length 5m with zero level difference.
- Indoor air temperature 20°C DB; outdoor air temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 5m with zero level difference.
- Diameters given are those for the pipe connecting the outdoor unit combination to the first indoor branch joint for systems with total equivalent liquid piping lengths of less than 90m. For systems with total equivalent liquid piping lengths of 90m or longer, please refer to Part 3 "System Design and Installation" for connection piping diameters.
- Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

# V8 PRO VRF 50Hz

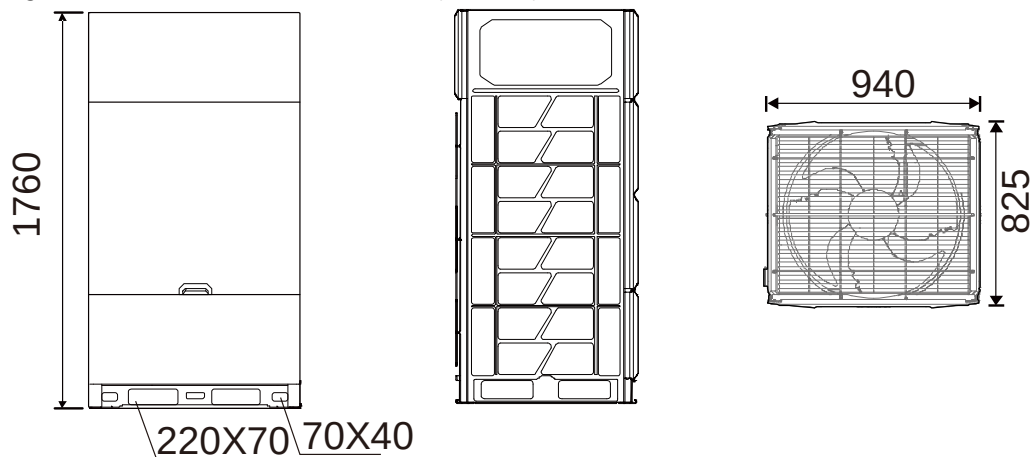


## 2 Dimensions

### 2.1 Single Units

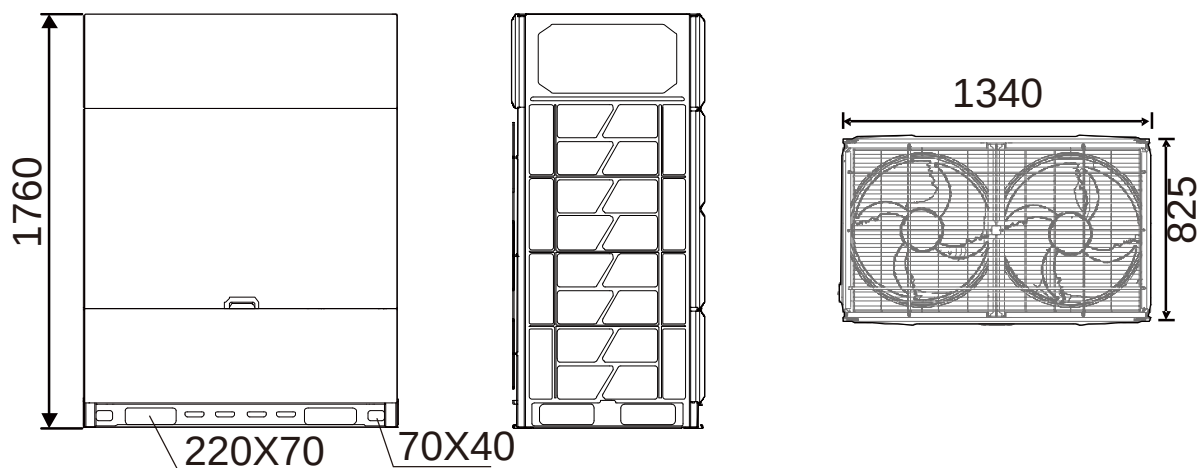
8/10/12/14/16 HP

Figure 2-2.1: 8/10/12/14/16 HP dimensions (unit: mm)



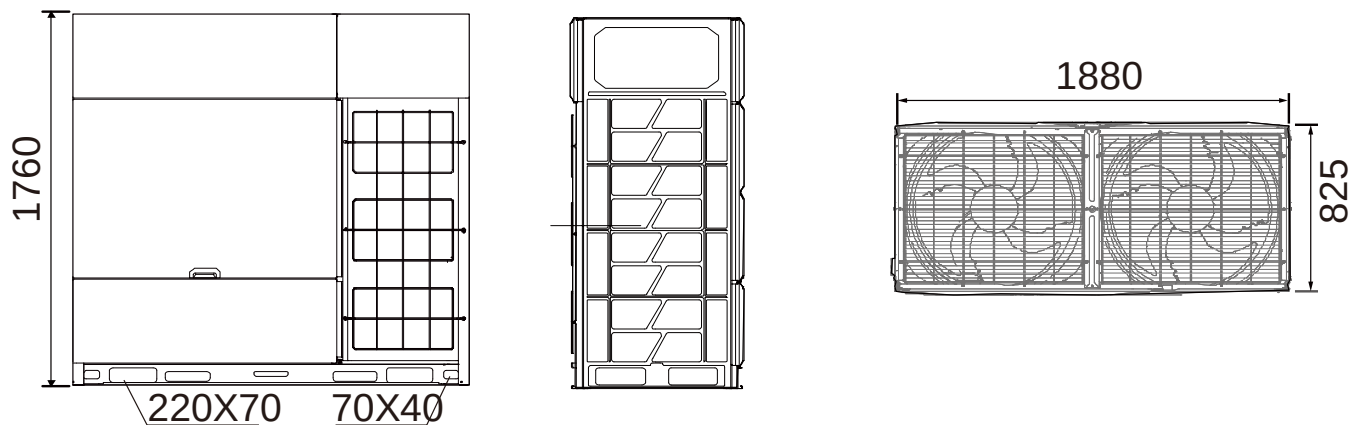
18/20/22/24HP

Figure 2-2.2: 18/20/22/24HP dimensions (unit: mm)

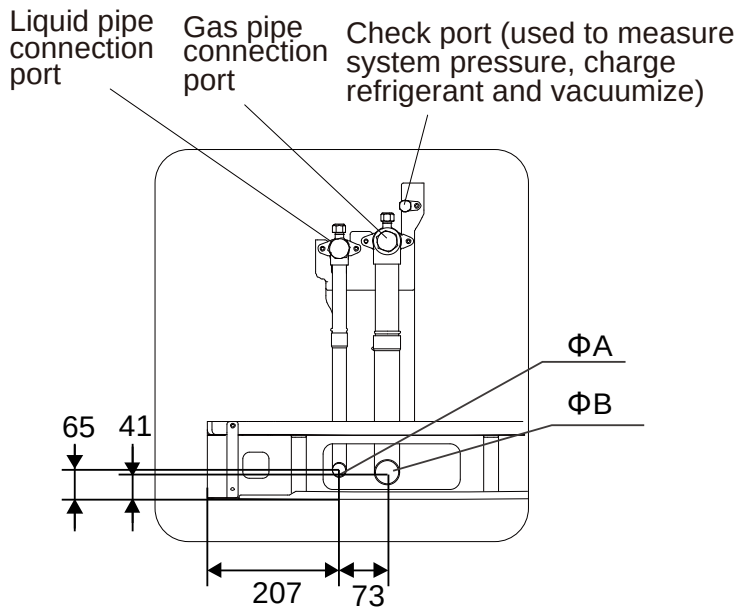


26/28/30/32HP

Figure 2-2.3: 26/28/30/32HP dimensions (unit: mm)





**Detail R**
*Figure 2-2.4: Detail R (unit: mm)*

*Table 2-2.1: Connection piping diameter (unit: mm)*

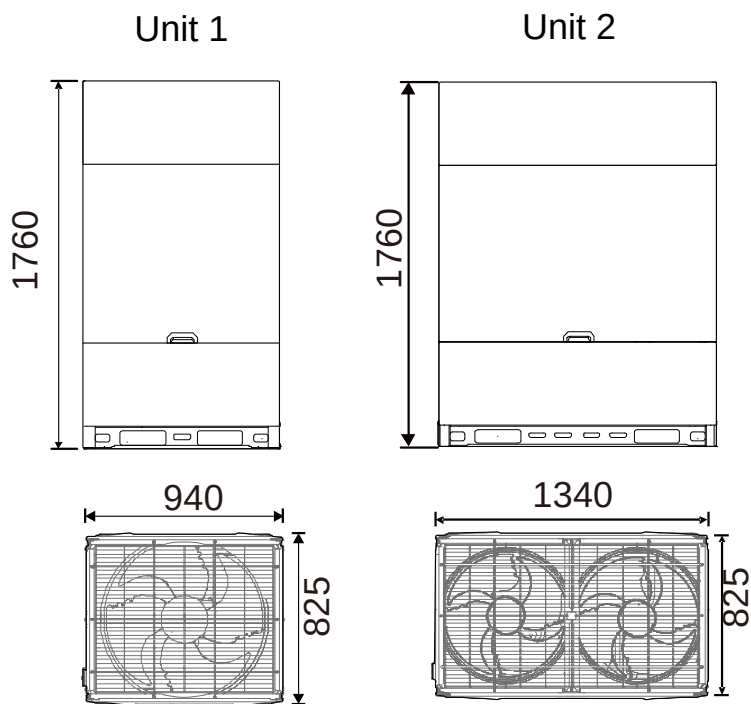
| Size | $\Phi A$ (Liquid) | $\Phi B$ (Gas) |
|------|-------------------|----------------|
| 8HP  | $\Phi 12.7$       | $\Phi 25.4$    |
| 10HP | $\Phi 12.7$       | $\Phi 25.4$    |
| 12HP | $\Phi 12.7$       | $\Phi 25.4$    |
| 14HP | $\Phi 15.9$       | $\Phi 28.6$    |
| 16HP | $\Phi 15.9$       | $\Phi 28.6$    |
| 18HP | $\Phi 19.1$       | $\Phi 31.8$    |
| 20HP | $\Phi 19.1$       | $\Phi 31.8$    |
| 22HP | $\Phi 19.1$       | $\Phi 31.8$    |
| 24HP | $\Phi 19.1$       | $\Phi 31.8$    |
| 26HP | $\Phi 22.2$       | $\Phi 31.8$    |
| 28HP | $\Phi 22.2$       | $\Phi 38.1$    |
| 30HP | $\Phi 22.2$       | $\Phi 38.1$    |
| 32HP | $\Phi 22.2$       | $\Phi 38.1$    |

## V8 PRO VRF 50Hz

### 2.2 Combinations of Units

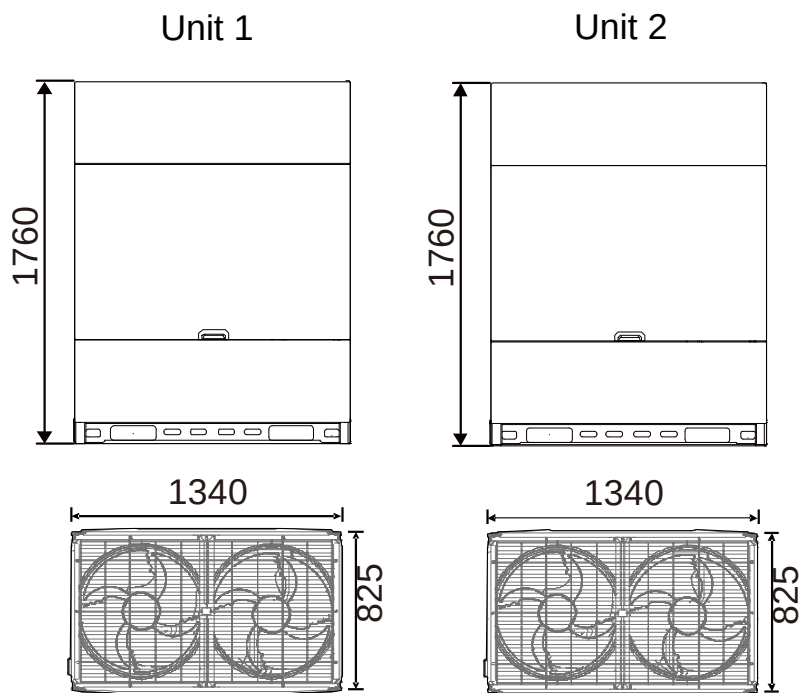
#### 34/36/38/40HP

Figure 2-2.5: 34/36/38/40HP dimensions (unit: mm)



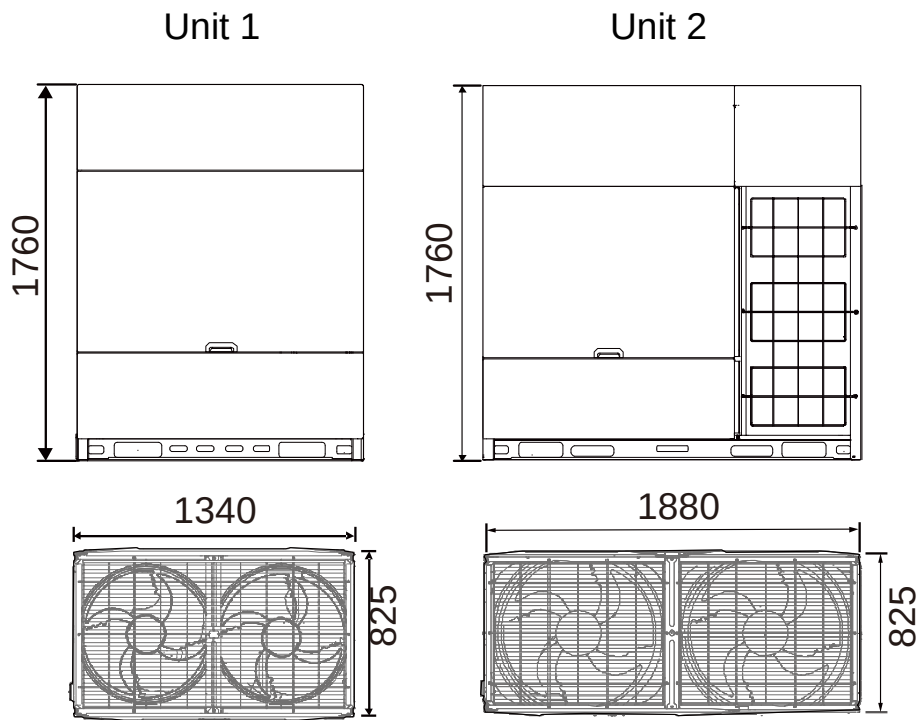
#### 42/44/46/48HP

Figure 2-2.6: 42/44/46/48HP dimensions (unit: mm)



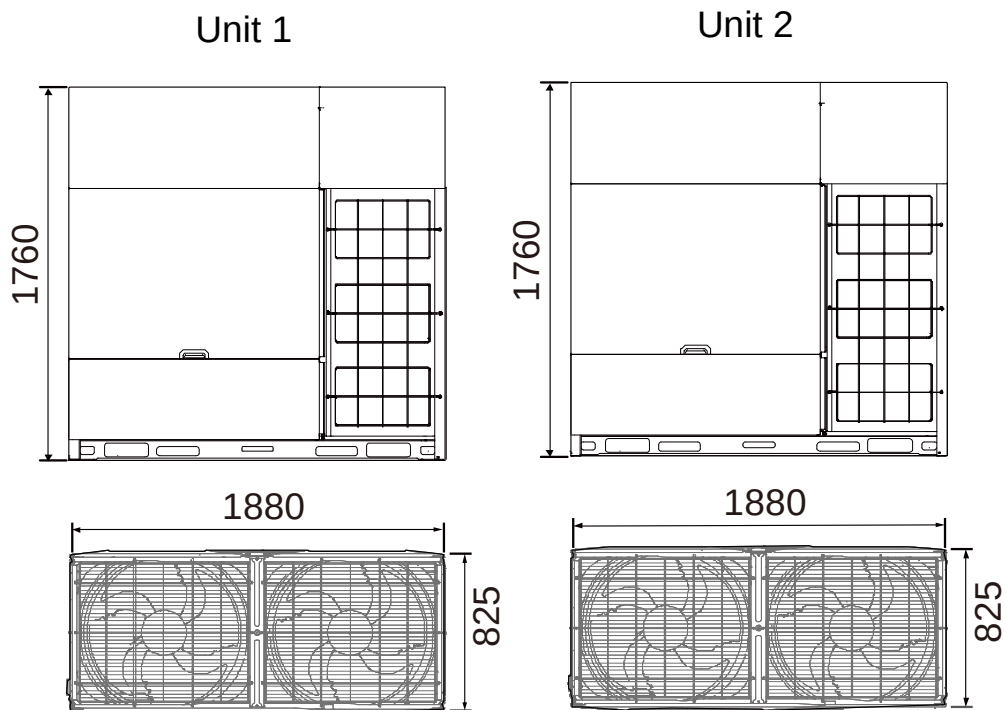
**50/52/54/56HP**

Figure 2-2.7: 50/52/54/56HP dimensions (unit: mm)



**58/60/62/64HP**

Figure 2-2.8: 58/60/62/64HP dimensions (unit: mm)

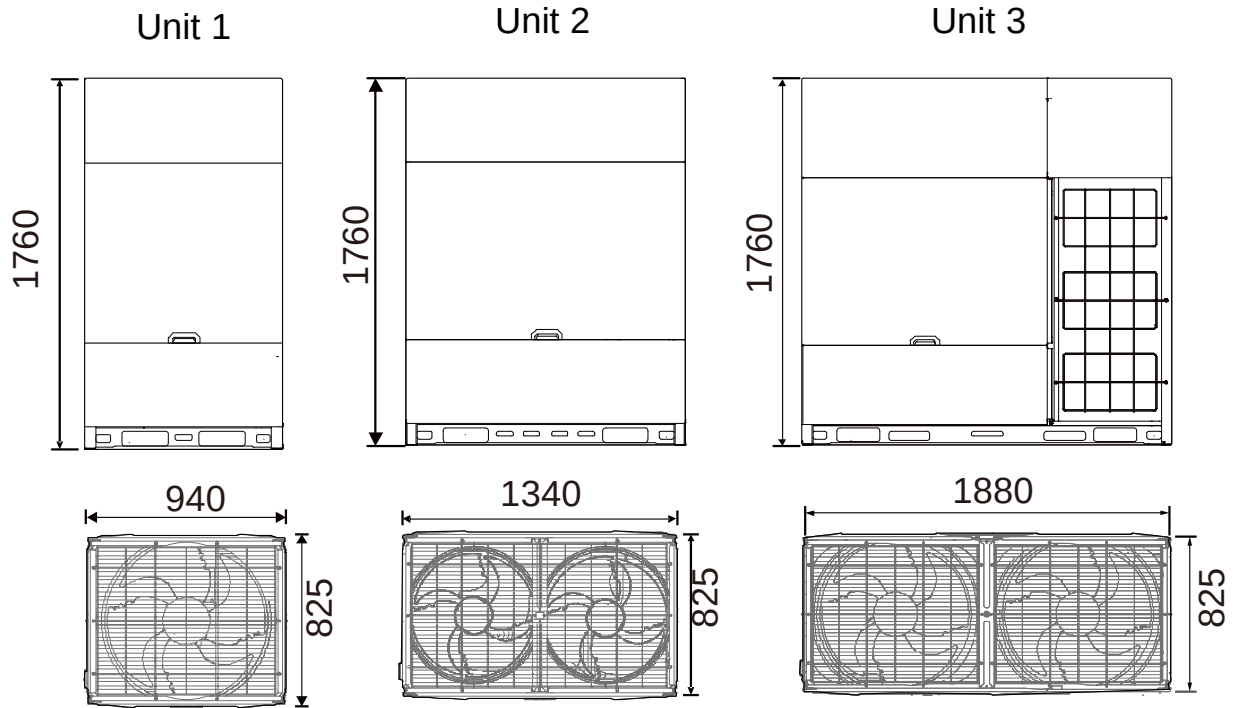


## V8 PRO VRF 50Hz

66/68/70/72HP

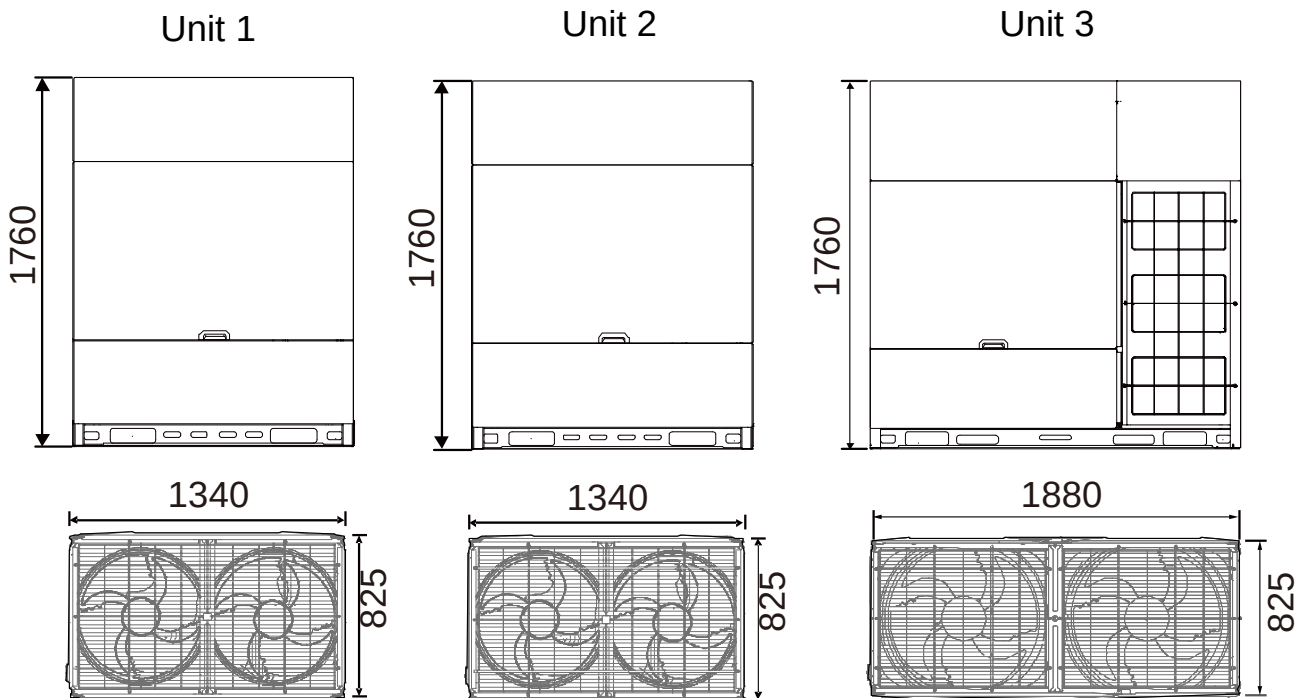


Figure 2-2.9: 66/68/70/72HP dimensions (unit: mm)



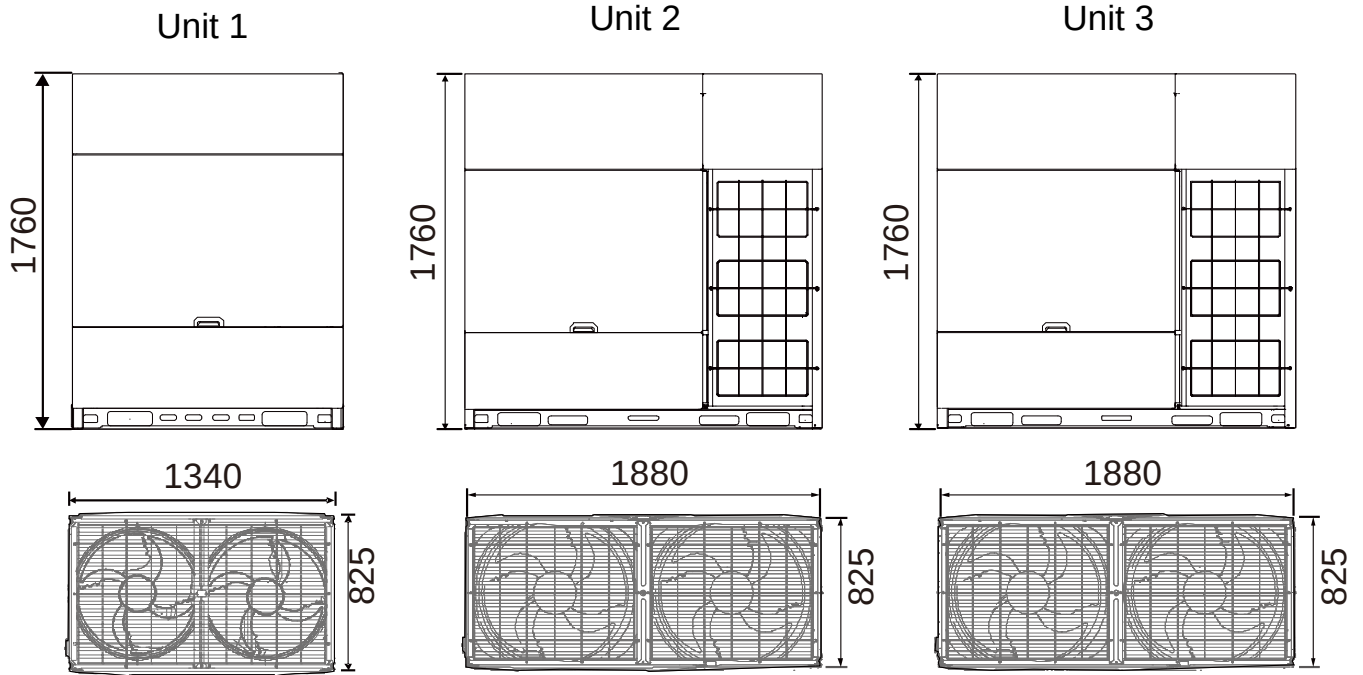
74/76/78/80HP

Figure 2-2.10: 74/76/78/80HP dimensions (unit: mm)



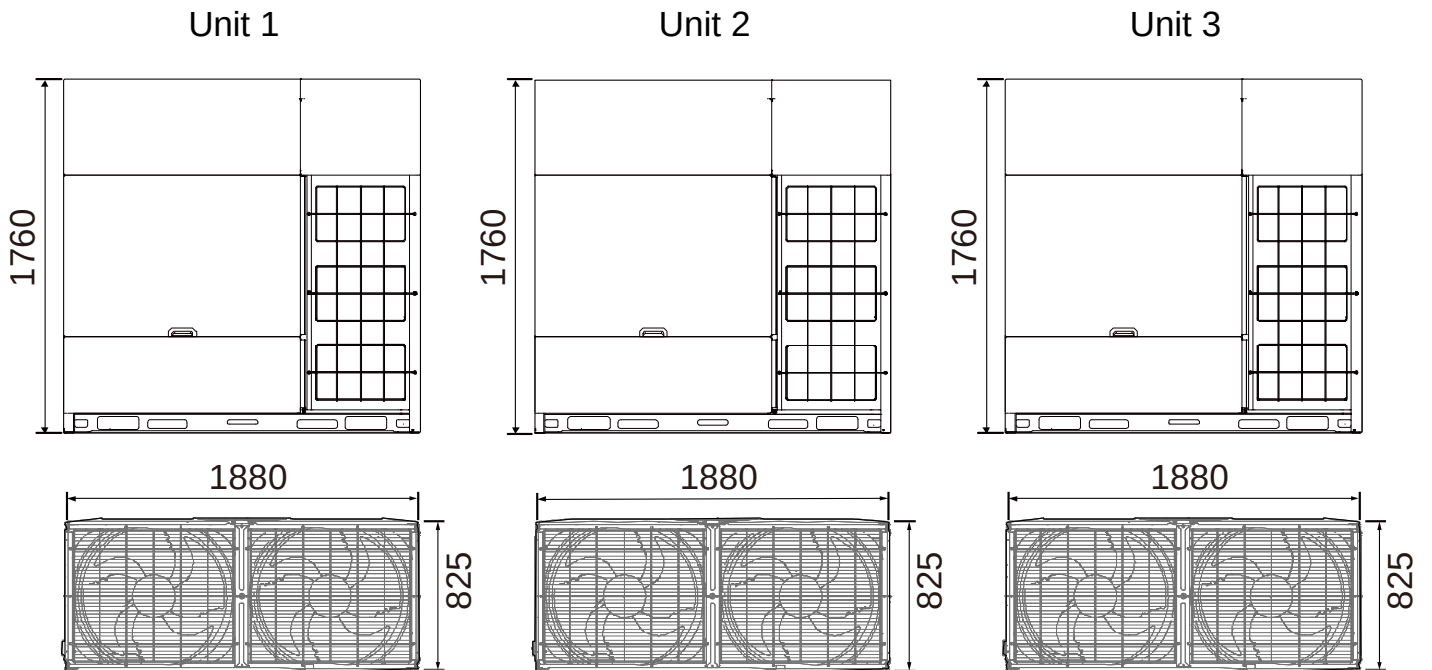
82/84/86/88HP

Figure 2-2.11: 82/84/86/88HP dimensions (unit: mm)



90/92/94/96HP

Figure 2-2.12: 90/92/94/96HP dimensions (unit: mm)



### 3 Installation Space Requirements

Make sure there is sufficient space around the unit for maintenance work, and the minimum space for air inlet and air outlet is reserved (see below to select a feasible method).

Ensure there is enough space for maintenance. The units in the same system must be placed at the same height.

Outdoor units must be spaced so that sufficient air may flow through each unit. Sufficient airflow across heat exchangers is essential for outdoor units to function properly.

#### For single unit installation

Figure 2-3.1: Single unit installation (unit: mm)

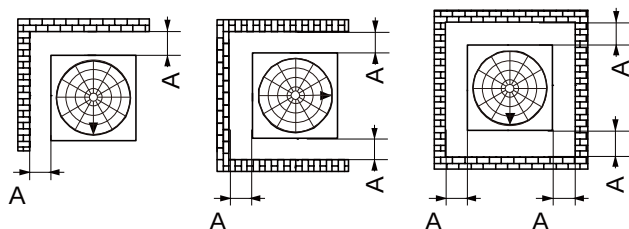
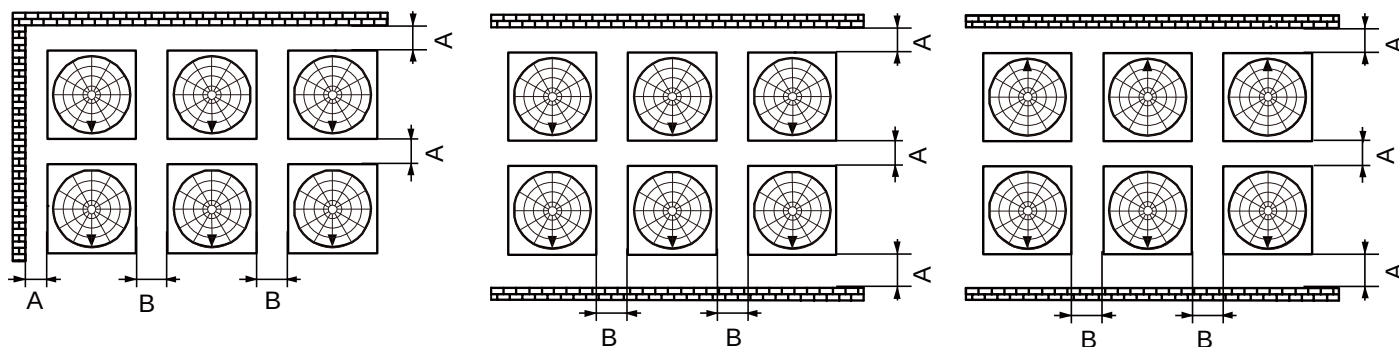


Table 2-3.1: significance of symbol

| symbol  | significance          | Value                                   |
|---------|-----------------------|-----------------------------------------|
| arrow ▼ | the front of the unit | -                                       |
| A       | distance              | $A \geq 1000\text{mm}$                  |
| B       | distance              | $500\text{mm} \leq B \leq 100\text{mm}$ |

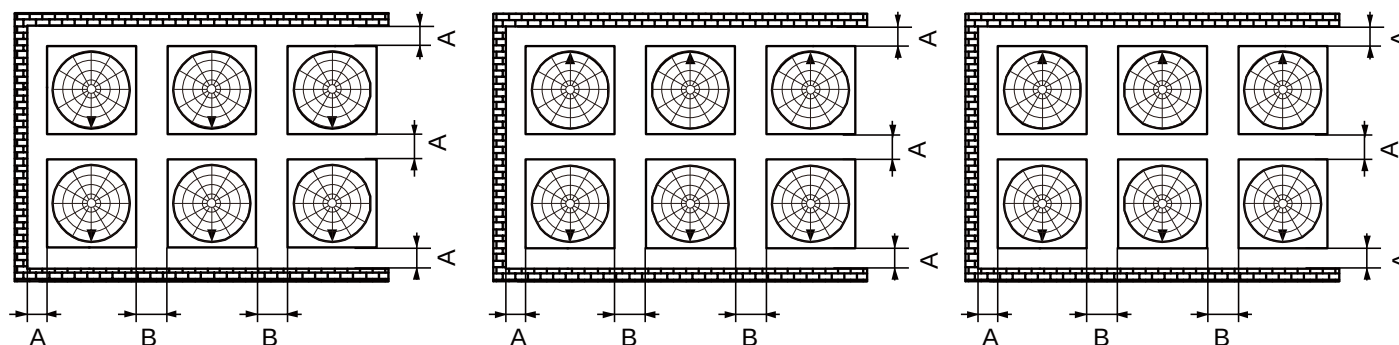
#### Installation with walls in two directions

Figure 2-3.2: installation with walls in two directions (unit: mm)



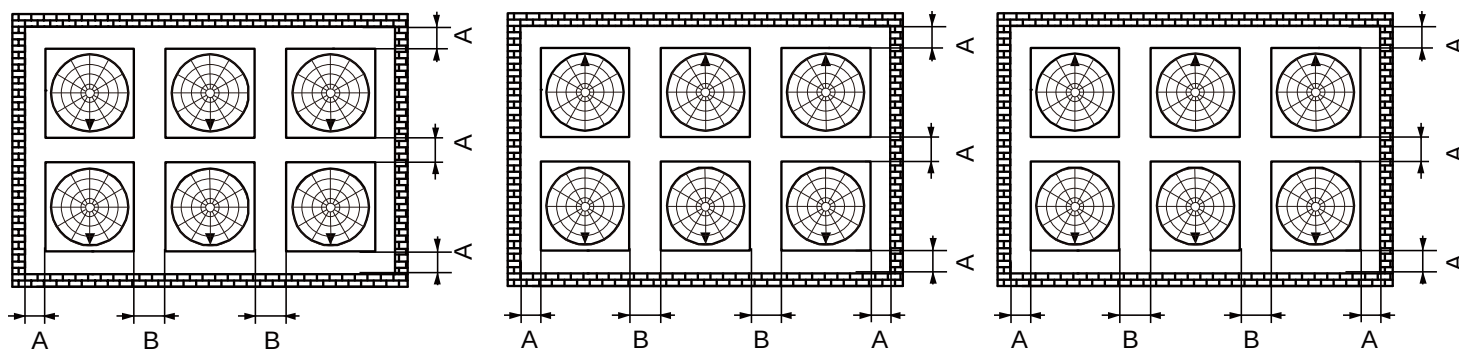
#### Installation with walls in three directions

Figure 2-3.3: installation with walls in three directions (unit: mm)



#### Installation with walls in four directions

Figure 2-3.4: installation with walls in four directions (unit: mm)



The dimensions in the above figures (Figure 2-3.1 to Figure 2-3.4) provide sufficient space for operation and maintenance under normal operating conditions (refrigeration mode at an outdoor temperature of 35°C).

If the outdoor temperature is higher and ventilation short circuiting may occur, choose the most suitable dimensions by calculating the return air flow.

Keep the inlet and outlet of each ODU open and avoid interference.

If there is an obstacle in the space over the unit, the four sides of the unit should be open.

#### In the situation depicted in following Figure 2-3.5

- If there are no walls in front of or behind the unit, it is necessary to reserve a space of 1000mm on both sides.
- If the front wall is higher than 1500mm, a space of at least  $(1000 + (h_2)/2)$  mm is required at the front
- If the rear wall is higher than 500mm, a space of at least  $(1000 + (h_1)/2)$  mm is required at the back.
- When the space above the unit is less than 1500mm, an air ducting device shall be installed to prevent ventilation from short circuiting.
- When the space over the unit is greater than 1500mm, an air ducting device shall be installed if the air circulation is not smooth at the top of the unit.

Figure 2-3.5: Top of unit below top of adjacent wall unit (mm)

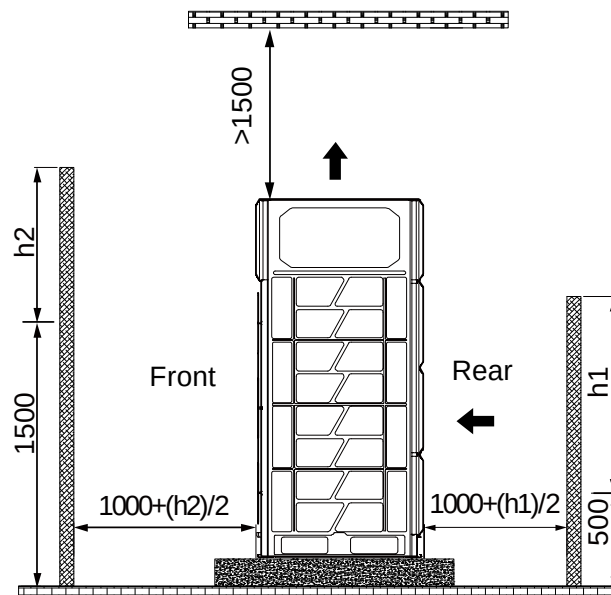
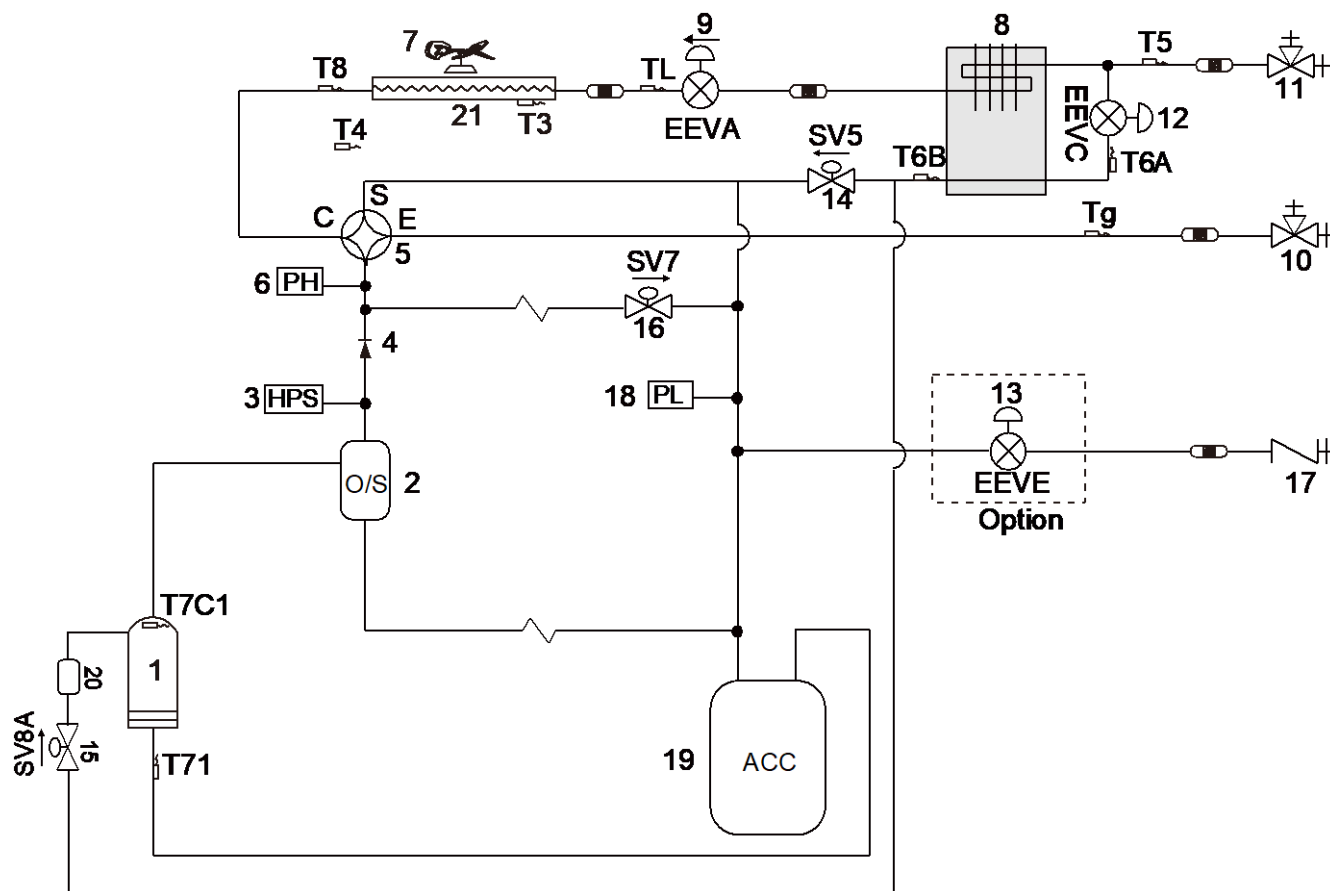


Figure 2-4.1: 8-16HP piping diagram

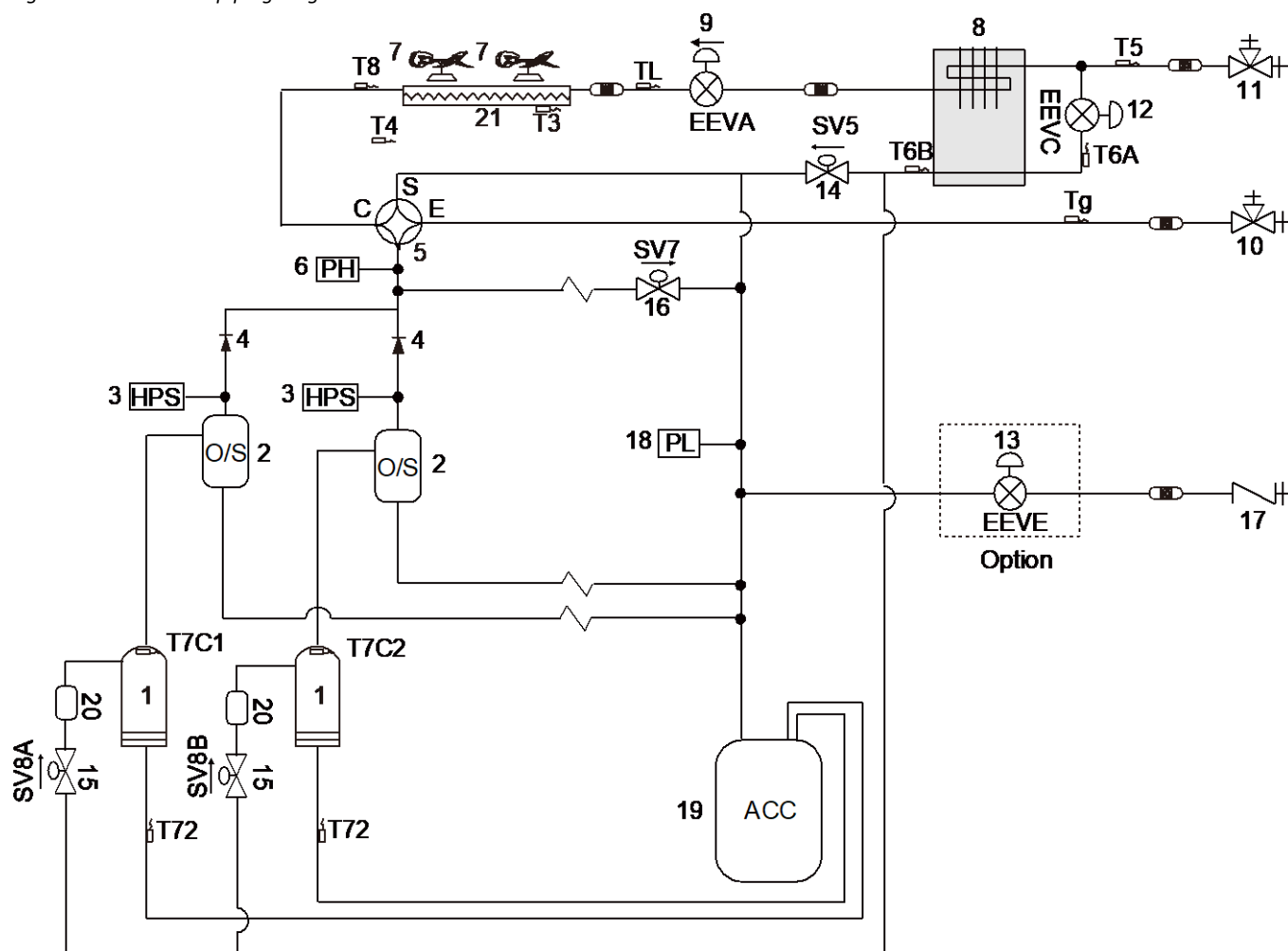


| Legend |                                            |      |                                                 |                                                            |
|--------|--------------------------------------------|------|-------------------------------------------------|------------------------------------------------------------|
| No.    | Parts name                                 |      | No.                                             | Parts name                                                 |
| 1      | Inverter Compressor                        |      | 17                                              | Charge port                                                |
| 2      | Oil separator                              |      | 18                                              | Low pressure sensor                                        |
| 3      | High pressure switch                       |      | 19                                              | Gas-liquid separator                                       |
| 4      | Check value                                |      | 20                                              | Muffler                                                    |
| 5      | Four-way valve(ST1)                        |      | 21                                              | Heat exchanger                                             |
| 6      | High pressure sensor                       |      | Sensor Code                                     | Description                                                |
| 7      | Inverter Fan                               |      | T3                                              | Main exchanger pipe temperature sensor                     |
| 8      | Microchannel heat exchanger                |      | T4                                              | Outdoor ambient temperature sensor                         |
| 9      | Electronic expansion valve (EEVA)          |      | T5                                              | Liquid pipe temperature sensor                             |
| 10     | Stop valve (gas side)                      |      | T6A                                             | Microchannel heat exchanger inlet pipe temperature sensor  |
| 11     | Stop valve (liquid side)                   |      | T6B                                             | Microchannel heat exchanger outlet pipe temperature sensor |
| 12     | Electronic expansion valve (EEVC)          |      | T71                                             | Suction temperature sensor                                 |
| 13     | Electronic expansion valve (Optional EEVE) |      | T8                                              | Heat exchanger gas temperature sensor                      |
| 14     | Injection bypass solenoid valve (SV5)      |      | Tg                                              | Gas pipe temperature sensor                                |
| 15     | Compressor vapor injection valve (SV8A)    |      | TL                                              | Heat exchanger liquid temperature sensor                   |
| 16     | Hot gas bypass solenoid valve (SV7)        | T7C1 | Compressor discharge temperature sensor         |                                                            |
|        |                                            | Tb   | Electric control box chamber temperature sensor |                                                            |



**18-24HP**

Figure 2-4.2: 18-24HP piping diagram

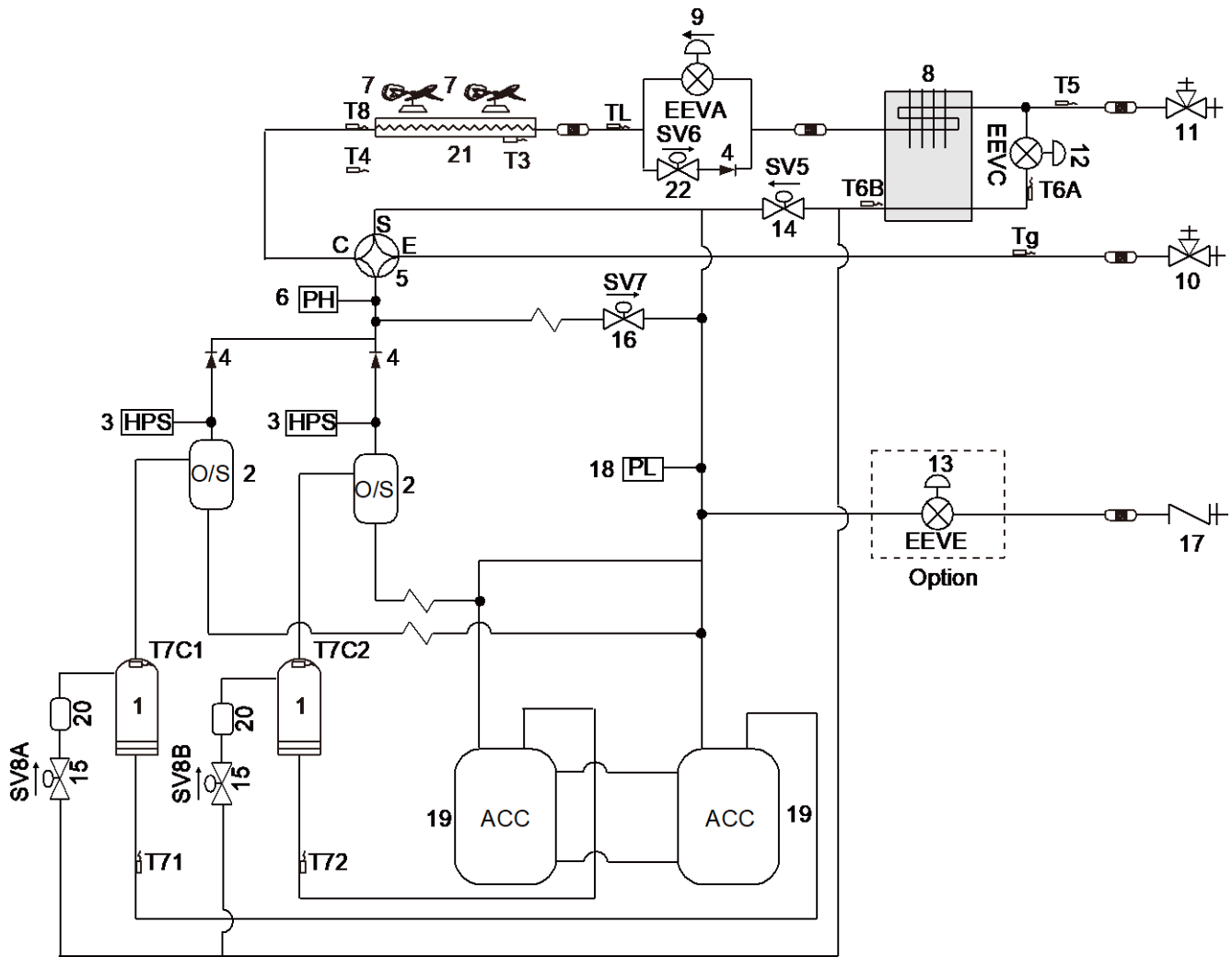


| Legend |                                            |             |                                                            |
|--------|--------------------------------------------|-------------|------------------------------------------------------------|
| No.    | Parts name                                 | No.         | Parts name                                                 |
| 1      | Inverter Compressor                        | 17          | Charge port                                                |
| 2      | Oil separator                              | 18          | Low pressure sensor                                        |
| 3      | High pressure switch                       | 19          | Gas-liquid separator                                       |
| 4      | Check value                                | 20          | Muffler                                                    |
| 5      | Four-way valve(ST1)                        | 21          | Heat exchanger                                             |
| 6      | High pressure sensor                       | Sensor Code | Description                                                |
| 7      | Inverter Fan                               | T3          | Main exchanger pipe temperature sensor                     |
| 8      | Microchannel heat exchanger                | T4          | Outdoor ambient temperature sensor                         |
| 9      | Electronic expansion valve (EEVA/EEVB)     | T5          | Liquid pipe temperature sensor                             |
| 10     | Stop valve (gas side)                      | T6A         | Microchannel heat exchanger inlet pipe temperature sensor  |
| 11     | Stop valve (liquid side)                   | T6B         | Microchannel heat exchanger outlet pipe temperature sensor |
| 12     | Electronic expansion valve (EEVC)          | T71/T72     | Suction temperature sensor                                 |
| 13     | Electronic expansion valve (Optional EEVE) | T8          | Heat exchanger gas temperature sensor                      |
| 14     | Injection bypass solenoid valve (SV5)      | Tg          | Gas pipe temperature sensor                                |
| 15     | Compressor vapor injection valve (SV8A/B)  | TL          | Heat exchanger liquid temperature sensor                   |
| 16     | Hot gas bypass solenoid valve (SV7)        | T7C1/T7C2   | Compressor discharge temperature sensor                    |
|        |                                            | Tb          | Electric control box chamber temperature sensor            |

## V8 PRO VRF 50Hz

26-32HP

Figure 2-4.3: 26-32HP piping diagram



| Legend |                                            |             |                                                            |
|--------|--------------------------------------------|-------------|------------------------------------------------------------|
| No.    | Parts name                                 | No.         | Parts name                                                 |
| 1      | Inverter Compressor                        | 18          | Low pressure sensor                                        |
| 2      | Oil separator                              | 19          | Gas-liquid separator                                       |
| 3      | High pressure switch                       | 20          | Muffler                                                    |
| 4      | Check value                                | 21          | Heat exchanger                                             |
| 5      | Four-way valve(ST1)                        | 22          | Liquid bypass valve(SV6)                                   |
| 6      | High pressure sensor                       | Sensor Code | Description                                                |
| 7      | Inverter Fan                               | T3          | Main exchanger pipe temperature sensor                     |
| 8      | Microchannel heat exchanger                | T4          | Outdoor ambient temperature sensor                         |
| 9      | Electronic expansion valve (EEVA/EEVB)     | T5          | Liquid pipe temperature sensor                             |
| 10     | Stop valve (gas side)                      | T6A         | Microchannel heat exchanger inlet pipe temperature sensor  |
| 11     | Stop valve (liquid side)                   | T6B         | Microchannel heat exchanger outlet pipe temperature sensor |
| 12     | Electronic expansion valve (EEVC)          | T71/T72     | Suction temperature sensor                                 |
| 13     | Electronic expansion valve (Optional EEVE) | T8          | Heat exchanger gas temperature sensor                      |
| 14     | Injection bypass solenoid valve (SV5)      | Tg          | Gas pipe temperature sensor                                |
| 15     | Compressor vapor injection valve (SV8A/B)  | TL          | Heat exchanger liquid temperature sensor                   |
| 16     | Hot gas bypass solenoid valve (SV7)        | T7C1/T7C2   | Compressor discharge temperature sensor                    |
| 17     | Charge port                                | Tb          | Electric control box chamber temperature sensor            |

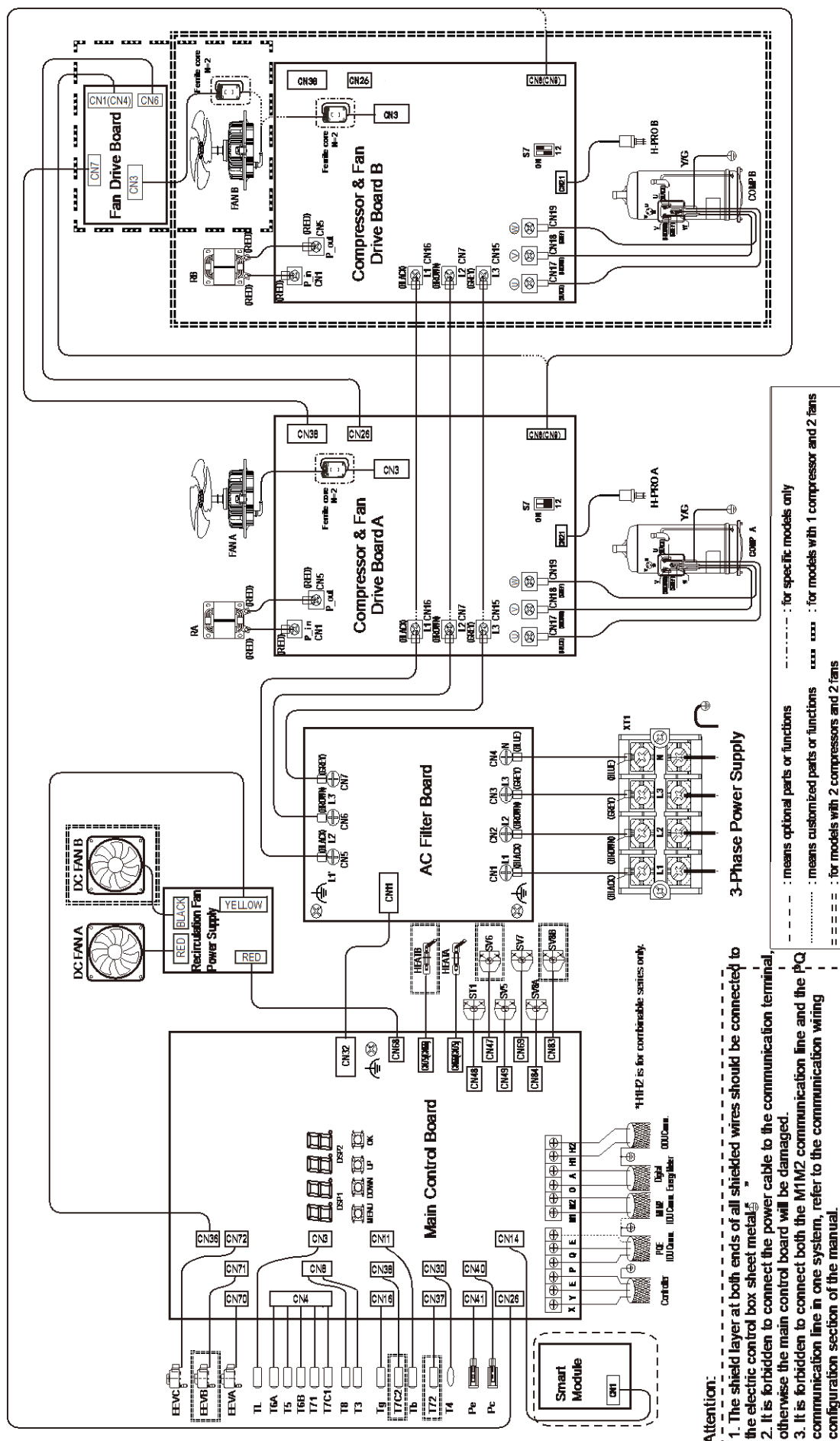
**Key components:**

1. **Oil separator:**  
Separates oil from gas refrigerant pumped out of the compressor and quickly returns it to the compressor. Separation efficiency is up to 99%.
2. **Gas-liquid separator:**  
Separates liquid refrigerant from gas refrigerant, stores liquid refrigerant and oil to protect compressor from liquid hammering.
3. **Electronic expansion valve (EEVA):**  
Controls refrigerant flow and reduces refrigerant pressure.
4. **Four-way valve:**  
Controls heat exchanger function. When open, the heat exchanger functions as an evaporator; when closed, the heat exchanger functions as a condenser.
5. **Microchannel heat exchanger:**  
In cooling mode, it can improve super-cooling degree and the super-cooled refrigerant can achieve better heat exchange in indoor side. In heating mode, the refrigerant comes from the microchannel heat exchanger going to the compressor can increase the refrigerant volume and improve the heating capacity in low ambient temperature. Refrigerant volume in microchannel heat exchanger is controlled according to temperature different between microchannel heat exchanger inlet and outlet or the temperature different between discharge temperature and target discharge temperature.
6. **Solenoid valve SV5:**  
Controls the refrigerant from microchannel heat exchanger to gas-liquid separator.
7. **Solenoid valve SV6:**  
Allows refrigerant to bypass the expansion valves. Opens in cooling mode when discharge temperature exceeds the limit. Closed in heating mode and standby.
8. **Solenoid valve SV7:**  
Bypass pressure at start-up stage and control capacity at low load condition; High-pressure-rise prevention; Discharge superheat protection.
9. **Solenoid valve SV8A/B:**  
Allows refrigerant from microchannel heat exchanger inject directly to the compressor. SV8A opens when compressor startup and closes when compressor stop.
10. **High pressure switch:**  
Regulate system pressure. When system pressure rises above the upper limit, the high pressure switch turn off, stopping the compressor. When the high pressure protection recovers, the compressor restarts.
11. **High/Low pressure sensor**  
Used to detect the system high/low pressure.

# V8 PRO VRF 50Hz



## 5 Wiring Diagrams



| Legend            |                            |           |                                                            |
|-------------------|----------------------------|-----------|------------------------------------------------------------|
| Code              | Name                       | Code      | Name                                                       |
| COMP A/ COMP B    | Compressor                 | T3        | Main exchanger pipe temperature sensor                     |
| EEVA/EEVC         | Electronic expansion valve | T4        | Outdoor ambient temperature sensor                         |
| FAN A/ FAN B      | DC Fan                     | T5        | Liquid pipe temperature sensor                             |
| DC FAN A/DC FAN B | Recirculation Fan          | T6A       | Microchannel heat exchanger inlet pipe temperature sensor  |
| HEAT A/ HEAT B    | Crankcase heater           | T6B       | Microchannel heat exchanger outlet pipe temperature sensor |
| RA/RB             | Reactance                  | T71/T72   | Suction temperature sensor                                 |
| ST1               | Four-way valve             | T8        | Heat exchanger gas temperature sensor                      |
| SV5-SV8A/B        | Solenoid valve             | Tg        | Gas pipe temperature sensor                                |
| H-PRO A/ H-PRO B  | High pressure switch       | TL        | Heat exchanger liquid temperature sensor                   |
| Pc                | High pressure sensor       | T7C1/T7C2 | Compressor discharge temperature sensor                    |
| Pe                | Low pressure sensor        | Tb        | Electric control box chamber temperature sensor            |
| XT1               | Terminal block             |           |                                                            |

# V8 PRO VRF 50Hz



## 6 Electrical Characteristics

Table 2-6.1: Outdoor unit electrical characteristics

| Model    |         |     |   | Power Supply <sup>1</sup> |         |               |               |                         |                          |                         | Compressor       |                         | OFM               |                 |
|----------|---------|-----|---|---------------------------|---------|---------------|---------------|-------------------------|--------------------------|-------------------------|------------------|-------------------------|-------------------|-----------------|
| Capacity | Modules |     |   | Hz                        | Volts   | Min.<br>volts | Max.<br>volts | MCA <sup>2</sup><br>(A) | TOCA <sup>3</sup><br>(A) | MFA <sup>4</sup><br>(A) | MSC <sup>5</sup> | RLA <sup>6</sup><br>(A) | Power(kW)         | FLA<br>(A)      |
| 8HP      | -       | -   | - | 50                        | 380~415 | 342           | 440           | 17                      | 20.7                     | 20                      | -                | 12.7                    | 0.56              | 1.7             |
| 10HP     | -       | -   | - | 50                        | 380~415 | 342           | 440           | 18.8                    | 22.5                     | 25                      | -                | 13                      | 0.56              | 1.7             |
| 12HP     | -       | -   | - | 50                        | 380~415 | 342           | 440           | 23                      | 26.8                     | 32                      | -                | 17                      | 0.56              | 1.8             |
| 14HP     | -       | -   | - | 50                        | 380~415 | 342           | 440           | 26.2                    | 31                       | 32                      | -                | 26.8                    | 0.92              | 2.8             |
| 16HP     | -       | -   | - | 50                        | 380~415 | 342           | 440           | 31.4                    | 36.2                     | 40                      | -                | 31.2                    | 0.92              | 3               |
| 18HP     | -       | -   | - | 50                        | 380~415 | 342           | 440           | 33                      | 38                       | 40                      | -                | 17.9+17                 | 0.56×2            | 1.8×2           |
| 20HP     | -       | -   | - | 50                        | 380~415 | 342           | 440           | 40.5                    | 39.5                     | 50                      | -                | 18.5+17.7               | 0.56×2            | 1.8×2           |
| 22HP     | -       | -   | - | 50                        | 380~415 | 342           | 440           | 41.5                    | 47.1                     | 50                      | -                | 20+19.2                 | 0.56×2            | 2.0×2           |
| 24HP     | -       | -   | - | 50                        | 380~415 | 342           | 440           | 46                      | 52                       | 63                      | -                | 22.7+22.2               | 0.56×2            | 2.0×2           |
| 26HP     | -       | -   | - | 50                        | 380~415 | 342           | 440           | 51                      | 54                       | 63                      | -                | 20.3+20.2               | 0.92×2            | 2.1×2           |
| 28HP     | -       | -   | - | 50                        | 380~415 | 342           | 440           | 51                      | 57.4                     | 63                      | -                | 21.7+22                 | 0.92×2            | 2.1×2           |
| 30HP     | -       | -   | - | 50                        | 380~415 | 342           | 440           | 56.8                    | 63.2                     | 80                      | -                | 24.5+24.8               | 0.92×2            | 2.2×2           |
| 32HP     | -       | -   | - | 50                        | 380~415 | 342           | 440           | 57                      | 63.4                     | 80                      | -                | 25.5+25.8               | 0.92×2            | 2.2×2           |
| 34HP     | 20HP    | 14H | - | 50                        | 380~415 | 342           | 440           | 66.7                    | 70.5                     | 50+32                   | -                | (18.5+17.7)+(26.8)      | (0.56×2)+(0.92)   | (1.8×2)+(2.8)   |
| 36HP     | 20HP    | 16H | - | 50                        | 380~415 | 342           | 440           | 71.9                    | 75.7                     | 50+40                   | -                | (18.5+17.7)+(31.2)      | (0.56×2)+(0.92)   | (1.8×2)+(3)     |
| 38HP     | 24HP    | 14H | - | 50                        | 380~415 | 342           | 440           | 72.2                    | 83                       | 63+32                   | -                | (22.7+22.2)+(26.8)      | (0.56×2)+(0.92)   | (2.0×2)+(2.8)   |
| 40HP     | 24HP    | 16H | - | 50                        | 380~415 | 342           | 440           | 77.4                    | 88.2                     | 63+40                   | -                | (22.7+22.2)+(31.2)      | (0.56×2)+(0.92)   | (2.0×2)+(3)     |
| 42HP     | 24HP    | 18H | - | 50                        | 380~415 | 342           | 440           | 79                      | 90                       | 63+40                   | -                | (22.7+22.2)+(17.9+17.0) | (0.56×2)+(0.56×2) | (2.0×2)+(1.8×2) |
| 44HP     | 22HP    | 22H | - | 50                        | 380~415 | 342           | 440           | 83                      | 94.2                     | 50+50                   | -                | (20.0+19.2)+(20.0+19.2) | (0.56×2)+(0.56×2) | (2.0×2)+(2.0×2) |
| 46HP     | 24HP    | 22H | - | 50                        | 380~415 | 342           | 440           | 87.5                    | 99.1                     | 63+50                   | -                | (22.7+22.2)+(20.0+19.2) | (0.56×2)+(0.56×2) | (2.0×2)+(2.0×2) |
| 48HP     | 24HP    | 24H | - | 50                        | 380~415 | 342           | 440           | 92                      | 104                      | 63+63                   | -                | (22.7+22.2)+(22.7+22.2) | (0.56×2)+(0.56×2) | (2.0×2)+(2.0×2) |
| 50HP     | 32HP    | 18H | - | 50                        | 380~415 | 342           | 440           | 90                      | 101.4                    | 80+40                   | -                | (25.5+25.8)+(17.9+17.0) | (0.92×2)+(0.56×2) | (2.2×2)+(1.8×2) |
| 52HP     | 32HP    | 20H | - | 50                        | 380~415 | 342           | 440           | 97.5                    | 102.9                    | 80+50                   | -                | (25.5+25.8)+(18.5+17.7) | (0.92×2)+(0.56×2) | (2.2×2)+(1.8×2) |
| 54HP     | 32HP    | 22H | - | 50                        | 380~415 | 342           | 440           | 98.5                    | 110.5                    | 80+50                   | -                | (25.5+25.8)+(20.0+19.2) | (0.92×2)+(0.56×2) | (2.2×2)+(2.0×2) |
| 56HP     | 32HP    | 24H | - | 50                        | 380~415 | 342           | 440           | 103                     | 115.4                    | 80+63                   | -                | (25.5+25.8)+(22.7+22.2) | (0.92×2)+(0.56×2) | (2.2×2)+(2.0×2) |
| 58HP     | 32HP    | 26H | - | 50                        | 380~415 | 342           | 440           | 108                     | 117.4                    | 80+63                   | -                | (25.5+25.8)+(20.3+20.2) | (0.92×2)+(0.92×2) | (2.2×2)+(2.1×2) |
| 60HP     | 32HP    | 28H | - | 50                        | 380~415 | 342           | 440           | 108                     | 120.8                    | 80+63                   | -                | (25.5+25.8)+(21.7+22.0) | (0.92×2)+(0.92×2) | (2.2×2)+(2.1×2) |
| 62HP     | 32HP    | 30H | - | 50                        | 380~415 | 342           | 440           | 113.8                   | 126.6                    | 80+80                   | -                | (25.5+25.8)+(24.5+24.8) | (0.92×2)+(0.92×2) | (2.2×2)+(2.2×2) |
| 64HP     | 32HP    | 32H | - | 50                        | 380~415 | 342           | 440           | 114                     | 126.8                    | 80+80                   | -                | (25.5+25.8)+(25.5+25.8) | (0.92×2)+(0.92×2) | (2.2×2)+(2.2×2) |

### Abbreviations:

MCA: Minimum Circuit Amps; TOCA: Total Over-current Amps; MFA: Maximum Fuse Amps; MSC: Maximum Starting Current (A); RLA: Rated Load Amps; FLA: Full Load Amps

### Notes:

- Units are suitable for use on electrical systems where voltage supplied to unit terminals is not below or above listed range limits. Maximum allowable voltage variation between phases is 2%.
- Select wire size based on the value of MCA.
- TOCA indicates the total overcurrent amps value of each OC set.
- MFA is used to select overcurrent circuit breakers and residual-current circuit breakers.
- MSC indicates the maximum current on compressor start-up in amps.
- RLA is based on the following conditions: indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB

Table 2-6.1: Outdoor unit electrical characteristics (continues)

| Model    |         |      |      | Power Supply <sup>1</sup> |         |       |       |                  |                   |                  | Compressor       |                                         | OFM                            |                             |
|----------|---------|------|------|---------------------------|---------|-------|-------|------------------|-------------------|------------------|------------------|-----------------------------------------|--------------------------------|-----------------------------|
| Capacity | Modules |      |      | Hz                        | Volts   | Min.  | Max.  | MCA <sup>2</sup> | TOCA <sup>3</sup> | MFA <sup>4</sup> | MSC <sup>5</sup> | RLA <sup>6</sup>                        | Power(kW)                      | FLA                         |
|          |         |      |      |                           |         | volts | volts | (A)              | (A)               | (A)              |                  | (A)                                     |                                |                             |
| 66HP     | 32HP    | 20HP | 14HP | 50                        | 380~415 | 342   | 440   | 123.7            | 133.9             | 80+50+32         |                  | (25.5+25.8)+(18.5+17.7)<br>+(26.8)      | (0.92×2)+(0.56×2)<br>+(0.92)   | (2.2×2)+(1.8×2)<br>+(2.8)   |
| 68HP     | 32HP    | 20HP | 16HP | 50                        | 380~415 | 342   | 440   | 128.9            | 139.1             | 80+50+40         |                  | (25.5+25.8)+(18.5+17.7)<br>+(31.2)      | (0.92×2)+(0.56×2)<br>+(0.92)   | (2.2×2)+(1.8×2)<br>+(3)     |
| 70HP     | 32HP    | 24HP | 14HP | 50                        | 380~415 | 342   | 440   | 129.2            | 146.4             | 80+63+32         |                  | (25.5+25.8)+(22.7+22.2)<br>+(26.8)      | (0.92×2)+(0.56×2)<br>+(0.92)   | (2.2×2)+(2.0×2)<br>+(2.8)   |
| 72HP     | 32HP    | 24HP | 16HP | 50                        | 380~415 | 342   | 440   | 134.4            | 151.6             | 80+63+40         |                  | (25.5+25.8)+(22.7+22.2)<br>+(31.2)      | (0.92×2)+(0.56×2)<br>+(0.92)   | (2.2×2)+(2.0×2)<br>+(3)     |
| 74HP     | 32HP    | 24HP | 18HP | 50                        | 380~415 | 342   | 440   | 136              | 153.4             | 80+63+40         |                  | (25.5+25.8)+(22.7+22.2)<br>+(17.9+17.0) | (0.92×2)+(0.56×2)<br>+(0.56×2) | (2.2×2)+(2.0×2)<br>+(1.8×2) |
| 76HP     | 32HP    | 22HP | 22HP | 50                        | 380~415 | 342   | 440   | 140              | 157.6             | 80+50+50         |                  | (25.5+25.8)+(20.0+19.2)<br>+(20.0+19.2) | (0.92×2)+(0.56×2)<br>+(0.56×2) | (2.2×2)+(2.0×2)<br>+(2.0×2) |
| 78HP     | 32HP    | 24HP | 22HP | 50                        | 380~415 | 342   | 440   | 144.5            | 162.5             | 80+63+50         |                  | (25.5+25.8)+(22.7+22.2)<br>+(20.0+19.2) | (0.92×2)+(0.56×2)<br>+(0.56×2) | (2.2×2)+(2.0×2)<br>+(2.0×2) |
| 80HP     | 32HP    | 24HP | 24HP | 50                        | 380~415 | 342   | 440   | 149              | 167.4             | 80+63+63         |                  | (25.5+25.8)+(22.7+22.2)<br>+(22.7+22.2) | (0.92×2)+(0.56×2)<br>+(0.56×2) | (2.2×2)+(2.0×2)<br>+(2.0×2) |
| 82HP     | 32HP    | 32HP | 18HP | 50                        | 380~415 | 342   | 440   | 147              | 164.8             | 80+80+40         |                  | (25.5+25.8)+(25.5+25.8)<br>+(17.9+17.0) | (0.92×2)+(0.92×2)<br>+(0.56×2) | (2.2×2)+(2.2×2)<br>+(1.8×2) |
| 84HP     | 32HP    | 32HP | 20HP | 50                        | 380~415 | 342   | 440   | 154.5            | 166.3             | 80+80+50         |                  | (25.5+25.8)+(25.5+25.8)<br>+(18.5+17.7) | (0.92×2)+(0.92×2)<br>+(0.56×2) | (2.2×2)+(2.2×2)<br>+(1.8×2) |
| 86HP     | 32HP    | 32HP | 22HP | 50                        | 380~415 | 342   | 440   | 155.5            | 173.9             | 80+80+50         |                  | (25.5+25.8)+(25.5+25.8)<br>+(20.0+19.2) | (0.92×2)+(0.92×2)<br>+(0.56×2) | (2.2×2)+(2.2×2)<br>+(2.0×2) |
| 88HP     | 32HP    | 32HP | 24HP | 50                        | 380~415 | 342   | 440   | 160              | 178.8             | 80+80+63         |                  | (25.5+25.8)+(25.5+25.8)<br>+(22.7+22.2) | (0.92×2)+(0.92×2)<br>+(0.56×2) | (2.2×2)+(2.2×2)<br>+(2.0×2) |
| 90HP     | 32HP    | 32HP | 26HP | 50                        | 380~415 | 342   | 440   | 165              | 180.8             | 80+80+63         |                  | (25.5+25.8)+(25.5+25.8)<br>+(20.3+20.2) | (0.92×2)+(0.92×2)<br>+(0.92×2) | (2.2×2)+(2.2×2)<br>+(2.1×2) |
| 92HP     | 32HP    | 32HP | 28HP | 50                        | 380~415 | 342   | 440   | 165              | 184.2             | 80+80+63         |                  | (25.5+25.8)+(25.5+25.8)<br>+(21.7+22.0) | (0.92×2)+(0.92×2)<br>+(0.92×2) | (2.2×2)+(2.2×2)<br>+(2.1×2) |
| 94HP     | 32HP    | 32HP | 30HP | 50                        | 380~415 | 342   | 440   | 170.8            | 190               | 80+80+80         |                  | (25.5+25.8)+(25.5+25.8)<br>+(24.5+24.8) | (0.92×2)+(0.92×2)<br>+(0.92×2) | (2.2×2)+(2.2×2)<br>+(2.2×2) |
| 96HP     | 32HP    | 32HP | 32HP | 50                        | 380~415 | 342   | 440   | 171              | 190.2             | 80+80+80         |                  | (25.5+25.8)+(25.5+25.8)<br>+(25.5+25.8) | (0.92×2)+(0.92×2)<br>+(0.92×2) | (2.2×2)+(2.2×2)<br>+(2.2×2) |

## Abbreviations:

MCA: Minimum Circuit Amps; TOCA: Total Over-current Amps; MFA: Maximum Fuse Amps; MSC: Maximum Starting Current (A); RLA: Rated Load Amps; FLA: Full Load Amps

## Notes:

- Units are suitable for use on electrical systems where voltage supplied to unit terminals is not below or above listed range limits. Maximum allowable voltage variation between phases is 2%.
- Select wire size based on the value of MCA.
- TOCA indicates the total overcurrent amps value of each OC set.
- MFA is used to select overcurrent circuit breakers and residual-current circuit breakers.
- MSC indicates the maximum current on compressor start-up in amps.
- RLA is based on the following conditions: indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB

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### 7 Functional Components and Safety Devices

Table 2-7.1: 8/10/12/14/16HP functional components and safety devices

| Item       |                                                       | 8HP                                                                                 | 10HP | 12HP | 14HP | 16HP |
|------------|-------------------------------------------------------|-------------------------------------------------------------------------------------|------|------|------|------|
| Compressor | Compressor top and discharge pipe temperature sensors | 115°C = 5kΩ ± 3%                                                                    |      |      |      |      |
|            | Crankcase heater                                      | 50W                                                                                 |      |      |      |      |
| System     | High pressure switch                                  | Off: 4.2 (±0.1) MPa / On: 3.2 (±0.1) MPa                                            |      |      |      |      |
|            | High pressure sensor                                  | Output voltage (V) = 0.8696 × P + 0.5<br>(where P is the discharge pressure in MPa) |      |      |      |      |
|            | Heat exchanger temperature sensor                     | 25°C = 10kΩ                                                                         |      |      |      |      |
|            | Outdoor ambient temperature sensor                    | 25°C = 10kΩ                                                                         |      |      |      |      |

Table 2-7.2: 18/20/22/24/26HP functional components and safety devices

| Item       |                                                       | 18HP                                                                                | 20HP | 22HP | 24HP | 26HP |
|------------|-------------------------------------------------------|-------------------------------------------------------------------------------------|------|------|------|------|
| Compressor | Compressor top and discharge pipe temperature sensors | 115°C = 5kΩ ± 3%                                                                    |      |      |      |      |
|            | Crankcase heater                                      | 50W×2                                                                               |      |      |      |      |
| System     | High pressure switch                                  | Off: 4.2 (±0.1) MPa / On: 3.2 (±0.1) MPa                                            |      |      |      |      |
|            | High pressure sensor                                  | Output voltage (V) = 0.8696 × P + 0.5<br>(where P is the discharge pressure in MPa) |      |      |      |      |
|            | Heat exchanger temperature sensor                     | 25°C = 10kΩ                                                                         |      |      |      |      |
|            | Outdoor ambient temperature sensor                    | 25°C = 10kΩ                                                                         |      |      |      |      |

Table 2-7.3: 28/30/32HP functional components and safety devices

| Item       |                                                       | 28HP                                                                                | 30HP | 32HP |
|------------|-------------------------------------------------------|-------------------------------------------------------------------------------------|------|------|
| Compressor | Compressor top and discharge pipe temperature sensors | 115°C = 5kΩ ± 3%                                                                    |      |      |
|            | Crankcase heater                                      | 50W×2                                                                               |      |      |
| System     | High pressure switch                                  | Off: 4.2 (±0.1) MPa / On: 3.2 (±0.1) MPa                                            |      |      |
|            | High pressure sensor                                  | Output voltage (V) = 0.8696 × P + 0.5<br>(where P is the discharge pressure in MPa) |      |      |
|            | Heat exchanger temperature sensor                     | 25°C = 10kΩ                                                                         |      |      |
|            | Outdoor ambient temperature sensor                    | 25°C = 10kΩ                                                                         |      |      |



## 8 Capacity Tables

### 8.1 Cooling Capacity Tables

Table2-8.1:8HP cooling capacity

| CR   | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |          |          |          |          |          |          |          |          |          |          |          |          |          |
|------|--------------------------|-----------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|      |                          | 20.8/14                     |          | 23.3/16  |          | 25.8/18  |          | 27/19    |          | 28.2/20  |          | 30.7/22  |          | 32/24    |          |
|      |                          | TC<br>KW                    | PI<br>KW | TC<br>KW | PI<br>KW | TC<br>KW | PI<br>KW | TC<br>KW | PI<br>KW | TC<br>KW | PI<br>KW | TC<br>KW | PI<br>KW | TC<br>KW | PI<br>KW |
| 130% | -15                      | 20.12                       | 3.56     | 22.99    | 3.83     | 28.73    | 4.48     | 31.50    | 4.58     | 33.94    | 4.70     | 39.57    | 5.21     | 42.55    | 3.34     |
|      | -10                      | 20.12                       | 3.87     | 22.99    | 4.17     | 28.73    | 4.88     | 31.50    | 4.98     | 33.94    | 5.12     | 39.57    | 5.67     | 42.55    | 3.64     |
|      | -5                       | 20.12                       | 4.19     | 22.99    | 4.52     | 28.73    | 5.29     | 31.50    | 5.39     | 33.94    | 5.54     | 39.57    | 6.14     | 42.55    | 3.94     |
|      | -2                       | 20.12                       | 4.39     | 22.99    | 4.73     | 28.73    | 5.53     | 31.50    | 5.65     | 33.94    | 5.80     | 39.57    | 6.43     | 42.55    | 4.12     |
|      | 0                        | 20.12                       | 4.52     | 22.99    | 4.87     | 28.73    | 5.70     | 31.50    | 5.81     | 33.94    | 5.97     | 39.57    | 6.62     | 42.55    | 4.25     |
|      | 2                        | 20.12                       | 4.65     | 22.99    | 5.01     | 28.73    | 5.86     | 31.50    | 5.98     | 33.94    | 6.15     | 39.57    | 6.81     | 42.55    | 4.37     |
|      | 4                        | 20.12                       | 4.79     | 22.99    | 5.15     | 28.73    | 6.03     | 31.50    | 6.15     | 33.94    | 6.32     | 39.57    | 7.01     | 42.55    | 4.50     |
|      | 6                        | 20.12                       | 4.92     | 22.99    | 5.30     | 28.73    | 6.20     | 31.50    | 6.33     | 33.94    | 6.50     | 39.57    | 7.20     | 42.55    | 4.62     |
|      | 8                        | 20.12                       | 5.05     | 22.99    | 5.44     | 28.73    | 6.37     | 31.50    | 6.50     | 33.94    | 6.68     | 39.57    | 7.40     | 42.55    | 4.75     |
|      | 10                       | 20.12                       | 5.19     | 22.99    | 5.59     | 28.73    | 6.54     | 31.50    | 6.67     | 33.94    | 6.86     | 39.57    | 7.60     | 42.55    | 4.88     |
|      | 12                       | 20.12                       | 5.33     | 22.99    | 5.73     | 28.73    | 6.71     | 31.50    | 6.85     | 33.94    | 7.04     | 39.57    | 7.80     | 42.55    | 5.00     |
|      | 14                       | 20.12                       | 5.46     | 22.99    | 5.88     | 28.73    | 6.88     | 31.50    | 7.03     | 33.94    | 7.22     | 39.57    | 8.00     | 42.55    | 5.13     |
|      | 16                       | 20.12                       | 5.60     | 22.99    | 6.03     | 28.73    | 7.06     | 31.50    | 7.20     | 33.94    | 7.40     | 39.57    | 8.20     | 42.55    | 5.26     |
|      | 18                       | 20.12                       | 5.74     | 22.99    | 6.18     | 28.73    | 7.23     | 31.50    | 7.38     | 33.94    | 7.58     | 39.57    | 8.40     | 42.55    | 5.39     |
|      | 20                       | 20.12                       | 5.88     | 22.99    | 6.33     | 28.73    | 7.41     | 31.50    | 7.56     | 33.94    | 7.77     | 39.57    | 8.61     | 42.55    | 5.52     |
|      | 21                       | 20.12                       | 5.95     | 22.99    | 6.40     | 28.73    | 7.50     | 31.50    | 7.65     | 33.94    | 7.86     | 39.57    | 8.71     | 42.55    | 5.59     |
|      | 23                       | 20.12                       | 6.09     | 22.99    | 6.56     | 28.73    | 7.68     | 31.50    | 7.83     | 33.94    | 8.05     | 39.57    | 8.92     | 42.55    | 5.72     |
|      | 25                       | 20.12                       | 6.23     | 22.99    | 6.71     | 28.73    | 7.86     | 31.50    | 8.02     | 33.94    | 8.24     | 39.57    | 9.13     | 42.55    | 5.86     |
|      | 27                       | 20.12                       | 6.38     | 22.99    | 6.86     | 28.73    | 8.04     | 31.50    | 8.20     | 33.94    | 8.42     | 39.57    | 9.34     | 42.55    | 5.99     |
|      | 29                       | 20.12                       | 6.52     | 22.99    | 7.02     | 28.73    | 8.22     | 31.50    | 8.39     | 33.94    | 8.62     | 38.88    | 9.38     | 42.26    | 6.09     |
|      | 31                       | 20.12                       | 6.67     | 22.99    | 7.18     | 28.73    | 8.40     | 31.50    | 8.57     | 33.83    | 8.78     | 36.37    | 8.97     | 39.54    | 5.82     |
|      | 33                       | 20.12                       | 6.81     | 22.99    | 7.33     | 28.29    | 8.45     | 31.06    | 8.64     | 33.60    | 8.91     | 35.03    | 8.83     | 36.81    | 5.54     |
|      | 35                       | 20.12                       | 6.96     | 22.99    | 7.49     | 28.19    | 8.60     | 31.06    | 8.82     | 32.93    | 8.92     | 34.38    | 8.85     | 35.15    | 5.40     |
|      | 37                       | 20.12                       | 7.11     | 22.99    | 7.66     | 28.19    | 8.79     | 31.06    | 9.02     | 32.39    | 8.97     | 33.94    | 8.93     | 34.59    | 5.43     |
|      | 39                       | 20.12                       | 7.27     | 22.99    | 7.82     | 28.29    | 9.02     | 30.95    | 9.18     | 31.29    | 8.85     | 31.94    | 8.59     | 33.29    | 5.34     |
|      | 41                       | 20.12                       | 7.42     | 22.66    | 7.88     | 28.29    | 9.21     | 29.51    | 8.94     | 29.74    | 8.59     | 30.40    | 8.35     | 33.05    | 5.42     |
|      | 43                       | 19.78                       | 7.45     | 22.55    | 8.00     | 27.19    | 9.04     | 27.85    | 8.62     | 27.97    | 8.25     | 30.18    | 8.46     | 32.80    | 5.49     |
|      | 46                       | 19.78                       | 7.61     | 22.55    | 8.17     | 25.20    | 8.55     | 26.05    | 8.23     | 27.35    | 8.24     | 29.95    | 8.58     | 32.56    | 5.56     |
|      | 48                       | 19.35                       | 7.67     | 21.93    | 8.19     | 24.51    | 8.58     | 25.80    | 8.40     | 27.09    | 8.41     | 29.67    | 8.76     | 32.26    | 5.68     |
|      | 50                       | 19.23                       | 7.78     | 21.80    | 8.30     | 24.36    | 8.70     | 25.64    | 8.52     | 26.92    | 8.53     | 29.49    | 8.88     | 32.05    | 5.76     |
|      | 52                       | 19.11                       | 7.88     | 21.66    | 8.42     | 24.21    | 8.81     | 25.48    | 8.63     | 26.75    | 8.64     | 29.30    | 9.00     | 31.85    | 5.84     |
|      | 55                       | 18.99                       | 7.99     | 21.52    | 8.53     | 24.05    | 8.93     | 25.32    | 8.75     | 26.58    | 8.76     | 29.12    | 9.12     | 31.65    | 5.91     |
| 120% | -15                      | 18.90                       | 3.52     | 21.67    | 3.80     | 27.09    | 4.45     | 29.74    | 4.55     | 31.84    | 4.64     | 37.25    | 5.16     | 41.23    | 3.41     |
|      | -10                      | 18.90                       | 3.83     | 21.67    | 4.14     | 27.09    | 4.84     | 29.74    | 4.95     | 31.84    | 5.05     | 37.25    | 5.62     | 41.23    | 3.71     |
|      | -5                       | 18.90                       | 4.15     | 21.67    | 4.48     | 27.09    | 5.25     | 29.74    | 5.36     | 31.84    | 5.47     | 37.25    | 6.08     | 41.23    | 4.02     |
|      | -2                       | 18.90                       | 4.34     | 21.67    | 4.69     | 27.09    | 5.49     | 29.74    | 5.61     | 31.84    | 5.73     | 37.25    | 6.37     | 41.23    | 4.21     |
|      | 0                        | 18.90                       | 4.47     | 21.67    | 4.83     | 27.09    | 5.65     | 29.74    | 5.78     | 31.84    | 5.90     | 37.25    | 6.56     | 41.23    | 4.33     |
|      | 2                        | 18.90                       | 4.60     | 21.67    | 4.97     | 27.09    | 5.82     | 29.74    | 5.94     | 31.84    | 6.07     | 37.25    | 6.75     | 41.23    | 4.46     |
|      | 4                        | 18.90                       | 4.73     | 21.67    | 5.11     | 27.09    | 5.98     | 29.74    | 6.11     | 31.84    | 6.24     | 37.25    | 6.94     | 41.23    | 4.58     |
|      | 6                        | 18.90                       | 4.86     | 21.67    | 5.25     | 27.09    | 6.15     | 29.74    | 6.28     | 31.84    | 6.42     | 37.25    | 7.13     | 41.23    | 4.71     |
|      | 8                        | 18.90                       | 4.99     | 21.67    | 5.40     | 27.09    | 6.32     | 29.74    | 6.46     | 31.84    | 6.59     | 37.25    | 7.33     | 41.23    | 4.84     |
|      | 10                       | 18.90                       | 5.13     | 21.67    | 5.54     | 27.09    | 6.49     | 29.74    | 6.63     | 31.84    | 6.77     | 37.25    | 7.53     | 41.23    | 4.97     |
|      | 12                       | 18.90                       | 5.26     | 21.67    | 5.69     | 27.09    | 6.66     | 29.74    | 6.80     | 31.84    | 6.95     | 37.25    | 7.72     | 41.23    | 5.10     |
|      | 14                       | 18.90                       | 5.40     | 21.67    | 5.83     | 27.09    | 6.83     | 29.74    | 6.98     | 31.84    | 7.12     | 37.25    | 7.92     | 41.23    | 5.23     |
|      | 16                       | 18.90                       | 5.54     | 21.67    | 5.98     | 27.09    | 7.00     | 29.74    | 7.15     | 31.84    | 7.30     | 37.25    | 8.12     | 41.23    | 5.37     |
|      | 18                       | 18.90                       | 5.67     | 21.67    | 6.13     | 27.09    | 7.18     | 29.74    | 7.33     | 31.84    | 7.49     | 37.25    | 8.32     | 41.23    | 5.50     |
|      | 20                       | 18.90                       | 5.81     | 21.67    | 6.28     | 27.09    | 7.35     | 29.74    | 7.51     | 31.84    | 7.67     | 37.25    | 8.53     | 41.23    | 5.63     |
|      | 21                       | 18.90                       | 5.88     | 21.67    | 6.35     | 27.09    | 7.44     | 29.74    | 7.60     | 31.84    | 7.76     | 37.25    | 8.63     | 41.23    | 5.70     |
|      | 23                       | 18.90                       | 6.02     | 21.67    | 6.50     | 27.09    | 7.62     | 29.74    | 7.78     | 31.84    | 7.94     | 37.25    | 8.83     | 41.23    | 5.83     |
|      | 25                       | 18.90                       | 6.16     | 21.67    | 6.65     | 27.09    | 7.79     | 29.74    | 7.96     | 31.84    | 8.13     | 37.25    | 9.04     | 41.23    | 5.97     |
|      | 27                       | 18.90                       | 6.30     | 21.67    | 6.81     | 27.09    | 7.97     | 29.74    | 8.15     | 31.84    | 8.32     | 37.25    | 9.25     | 41.23    | 6.11     |
|      | 29                       | 18.90                       | 6.44     | 21.67    | 6.96     | 27.09    | 8.15     | 29.74    | 8.33     | 31.84    | 8.50     | 37.25    | 9.46     | 41.13    | 6.23     |
|      | 31                       | 18.90                       | 6.59     | 21.67    | 7.12     | 27.09    | 8.33     | 29.74    | 8.51     | 31.84    | 8.69     | 35.40    | 9.18     | 38.48    | 5.96     |
|      | 33                       | 18.90                       | 6.73     | 21.67    | 7.27     | 27.09    | 8.52     | 29.19    | 8.54     | 31.84    | 8.88     | 34.15    | 9.05     | 35.82    | 5.67     |
|      | 35                       | 18.90                       | 6.88     | 21.67    | 7.43     | 26.53    | 8.52     | 29.19    | 8.72     | 31.84    | 9.07     | 33.71    | 9.13     | 34.38    | 5.56     |
|      | 37                       | 18.90                       | 7.03     | 21.67    | 7.59     | 26.53    | 8.71     | 29.19    | 8.92     | 31.84    | 9.27     | 33.16    | 9.18     | 33.94    | 5.61     |
|      | 39                       | 18.90                       | 7.18     | 21.67    | 7.76     | 26.53    | 8.90     | 29.19    | 9.11     | 30.95    | 9.21     | 31.61    | 8.94     | 32.24    | 5.44     |
|      | 41                       | 18.90                       | 7.34     | 21.67    | 7.92     | 26.53    | 9.09     | 28.52    | 9.09     | 28.73    | 8.73     | 29.44    | 8.51     | 32.00    | 5.52     |
|      | 43                       | 18.90                       | 7.49     | 21.60    | 8.07     | 25.64    | 8.97     | 27.41    | 8.92     | 27.64    | 8.58     | 29.23    | 8.62     | 31.77    | 5.59     |
|      | 46                       | 18.90                       | 7.65     | 21.44    | 8.17     | 24.43    | 8.72     | 25.23    | 8.38     | 26.49    | 8.39     | 29.01    | 8.74     | 31.53    | 5.67     |
|      | 48                       | 18.74                       | 7.82     | 21.24    | 8.35     | 23.74    | 8.74     | 24.99    | 8.56     | 26.24    | 8.57     | 28.74    | 8.92     | 31.24    | 5.79     |
|      | 50                       | 18.62                       | 7.92     | 21.11    | 8.46     | 23.59    | 8.86     | 24.83    | 8.68     | 26.07    | 8.69     | 28.56    | 9.05     | 31.04    | 5.87     |
|      | 52                       | 18.51                       | 8.03     | 20.97    | 8.58     | 23.44    | 8.98     | 24.68    | 8.80     | 25.91    | 8.81     | 28.38    | 9.17     | 30.84    | 5.95     |
|      | 55                       | 18.39                       | 8.14     | 20.84    | 8.69     | 23.29    | 9.10     | 24.52    | 8.91     | 25.74    | 8.92     | 28.20    | 9.29     | 30.65    | 6.03     |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes: Shaded cells indicate rating condition.

Table continued on next page ...

## V8 PRO VRF 50Hz



Table2-8.1:8HP cooling capacity(continued)

| CR   | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |      |         |      |         |      |       |      |         |      |         |      |       |      |
|------|--------------------------|-----------------------------|------|---------|------|---------|------|-------|------|---------|------|---------|------|-------|------|
|      |                          | 20.8/14                     |      | 23.3/16 |      | 25.8/18 |      | 27/19 |      | 28.2/20 |      | 30.7/22 |      | 32/24 |      |
|      |                          | TC                          | PI   | TC      | PI   | TC      | PI   | TC    | PI   | TC      | PI   | TC      | PI   | TC    | PI   |
| 110% | -15                      | 17.68                       | 3.47 | 20.23   | 3.74 | 25.20   | 4.37 | 27.74 | 4.47 | 30.29   | 4.66 | 34.82   | 5.09 | 40.34 | 3.52 |
|      | -10                      | 17.68                       | 3.78 | 20.23   | 4.07 | 25.20   | 4.75 | 27.74 | 4.87 | 30.29   | 5.07 | 34.82   | 5.54 | 40.34 | 3.83 |
|      | -5                       | 17.68                       | 4.09 | 20.23   | 4.41 | 25.20   | 5.15 | 27.74 | 5.27 | 30.29   | 5.49 | 34.82   | 6.00 | 40.34 | 4.15 |
|      | -2                       | 17.68                       | 4.28 | 20.23   | 4.61 | 25.20   | 5.39 | 27.74 | 5.52 | 30.29   | 5.74 | 34.82   | 6.28 | 40.34 | 4.34 |
|      | 0                        | 17.68                       | 4.41 | 20.23   | 4.75 | 25.20   | 5.55 | 27.74 | 5.68 | 30.29   | 5.92 | 34.82   | 6.46 | 40.34 | 4.47 |
|      | 2                        | 17.68                       | 4.54 | 20.23   | 4.89 | 25.20   | 5.71 | 27.74 | 5.85 | 30.29   | 6.09 | 34.82   | 6.65 | 40.34 | 4.60 |
|      | 4                        | 17.68                       | 4.67 | 20.23   | 5.03 | 25.20   | 5.87 | 27.74 | 6.01 | 30.29   | 6.26 | 34.82   | 6.84 | 40.34 | 4.73 |
|      | 6                        | 17.68                       | 4.80 | 20.23   | 5.17 | 25.20   | 6.03 | 27.74 | 6.18 | 30.29   | 6.44 | 34.82   | 7.03 | 40.34 | 4.86 |
|      | 8                        | 17.68                       | 4.93 | 20.23   | 5.31 | 25.20   | 6.20 | 27.74 | 6.35 | 30.29   | 6.61 | 34.82   | 7.23 | 40.34 | 5.00 |
|      | 10                       | 17.68                       | 5.06 | 20.23   | 5.46 | 25.20   | 6.37 | 27.74 | 6.52 | 30.29   | 6.79 | 34.82   | 7.42 | 40.34 | 5.13 |
|      | 12                       | 17.68                       | 5.19 | 20.23   | 5.60 | 25.20   | 6.53 | 27.74 | 6.69 | 30.29   | 6.97 | 34.82   | 7.61 | 40.34 | 5.26 |
|      | 14                       | 17.68                       | 5.33 | 20.23   | 5.74 | 25.20   | 6.70 | 27.74 | 6.87 | 30.29   | 7.15 | 34.82   | 7.81 | 40.34 | 5.40 |
|      | 16                       | 17.68                       | 5.46 | 20.23   | 5.89 | 25.20   | 6.87 | 27.74 | 7.04 | 30.29   | 7.33 | 34.82   | 8.01 | 40.34 | 5.54 |
|      | 18                       | 17.68                       | 5.60 | 20.23   | 6.03 | 25.20   | 7.04 | 27.74 | 7.21 | 30.29   | 7.51 | 34.82   | 8.21 | 40.34 | 5.67 |
|      | 20                       | 17.68                       | 5.73 | 20.23   | 6.18 | 25.20   | 7.21 | 27.74 | 7.39 | 30.29   | 7.69 | 34.82   | 8.41 | 40.34 | 5.81 |
|      | 21                       | 17.68                       | 5.80 | 20.23   | 6.25 | 25.20   | 7.30 | 27.74 | 7.48 | 30.29   | 7.79 | 34.82   | 8.51 | 40.34 | 5.88 |
|      | 23                       | 17.68                       | 5.94 | 20.23   | 6.40 | 25.20   | 7.47 | 27.74 | 7.66 | 30.29   | 7.97 | 34.82   | 8.71 | 40.34 | 6.02 |
|      | 25                       | 17.68                       | 6.08 | 20.23   | 6.55 | 25.20   | 7.65 | 27.74 | 7.83 | 30.29   | 8.16 | 34.82   | 8.91 | 40.34 | 6.16 |
|      | 27                       | 17.68                       | 6.22 | 20.23   | 6.70 | 25.20   | 7.82 | 27.74 | 8.01 | 30.29   | 8.34 | 34.82   | 9.12 | 40.34 | 6.30 |
|      | 29                       | 17.68                       | 6.36 | 20.23   | 6.85 | 25.20   | 8.00 | 27.74 | 8.19 | 30.29   | 8.53 | 34.82   | 9.32 | 39.26 | 6.27 |
|      | 31                       | 17.68                       | 6.50 | 20.23   | 7.01 | 25.20   | 8.18 | 27.74 | 8.38 | 30.29   | 8.72 | 33.83   | 9.26 | 36.72 | 6.00 |
|      | 33                       | 17.68                       | 6.64 | 20.23   | 7.16 | 25.20   | 8.36 | 27.74 | 8.56 | 29.74   | 8.75 | 33.39   | 9.34 | 34.19 | 5.71 |
|      | 35                       | 17.68                       | 6.78 | 20.23   | 7.31 | 24.76   | 8.39 | 27.19 | 8.57 | 29.63   | 8.91 | 32.93   | 9.41 | 33.60 | 5.73 |
|      | 37                       | 17.68                       | 6.94 | 20.23   | 7.48 | 24.76   | 8.57 | 27.19 | 8.76 | 29.63   | 9.10 | 32.28   | 9.43 | 33.05 | 5.76 |
|      | 39                       | 17.68                       | 7.09 | 20.23   | 7.64 | 24.76   | 8.76 | 27.19 | 8.95 | 29.74   | 9.34 | 31.17   | 9.30 | 31.73 | 5.65 |
|      | 41                       | 17.68                       | 7.24 | 20.23   | 7.80 | 24.76   | 8.95 | 27.19 | 9.14 | 28.63   | 9.18 | 29.07   | 8.86 | 30.62 | 5.57 |
|      | 43                       | 17.68                       | 7.39 | 20.23   | 7.97 | 24.76   | 9.14 | 26.19 | 8.99 | 27.64   | 9.05 | 27.96   | 8.70 | 30.39 | 5.65 |
|      | 46                       | 17.68                       | 7.55 | 20.23   | 8.13 | 23.54   | 8.87 | 24.87 | 8.72 | 25.34   | 8.47 | 27.75   | 8.82 | 30.17 | 5.72 |
|      | 48                       | 17.68                       | 7.78 | 20.23   | 8.39 | 22.71   | 8.82 | 23.91 | 8.64 | 25.10   | 8.65 | 27.49   | 9.01 | 29.88 | 5.84 |
|      | 50                       | 17.68                       | 7.93 | 20.19   | 8.54 | 22.57   | 8.94 | 23.76 | 8.76 | 24.95   | 8.77 | 27.32   | 9.13 | 29.70 | 5.92 |
|      | 52                       | 17.68                       | 8.09 | 20.07   | 8.65 | 22.43   | 9.06 | 23.61 | 8.88 | 24.79   | 8.89 | 27.15   | 9.25 | 29.51 | 6.00 |
|      | 55                       | 17.59                       | 8.21 | 19.94   | 8.77 | 22.28   | 9.18 | 23.46 | 8.99 | 24.63   | 9.00 | 26.98   | 9.37 | 29.32 | 6.08 |
| 100% | -15                      | 16.36                       | 3.40 | 18.69   | 3.65 | 23.33   | 4.27 | 25.64 | 4.37 | 27.97   | 4.55 | 32.17   | 4.97 | 36.48 | 3.36 |
|      | -10                      | 16.36                       | 3.70 | 18.69   | 3.98 | 23.33   | 4.65 | 25.64 | 4.76 | 27.97   | 4.95 | 32.17   | 5.41 | 36.48 | 3.66 |
|      | -5                       | 16.36                       | 4.00 | 18.69   | 4.31 | 23.33   | 5.04 | 25.64 | 5.15 | 27.97   | 5.36 | 32.17   | 5.86 | 36.48 | 3.97 |
|      | -2                       | 16.36                       | 4.19 | 18.69   | 4.51 | 23.33   | 5.27 | 25.64 | 5.39 | 27.97   | 5.61 | 32.17   | 6.13 | 36.48 | 4.15 |
|      | 0                        | 16.36                       | 4.31 | 18.69   | 4.64 | 23.33   | 5.43 | 25.64 | 5.55 | 27.97   | 5.78 | 32.17   | 6.31 | 36.48 | 4.27 |
|      | 2                        | 16.36                       | 4.44 | 18.69   | 4.78 | 23.33   | 5.59 | 25.64 | 5.72 | 27.97   | 5.95 | 32.17   | 6.50 | 36.48 | 4.40 |
|      | 4                        | 16.36                       | 4.57 | 18.69   | 4.91 | 23.33   | 5.75 | 25.64 | 5.88 | 27.97   | 6.11 | 32.17   | 6.68 | 36.48 | 4.52 |
|      | 6                        | 16.36                       | 4.69 | 18.69   | 5.05 | 23.33   | 5.91 | 25.64 | 6.04 | 27.97   | 6.29 | 32.17   | 6.87 | 36.48 | 4.65 |
|      | 8                        | 16.36                       | 4.82 | 18.69   | 5.19 | 23.33   | 6.07 | 25.64 | 6.21 | 27.97   | 6.46 | 32.17   | 7.06 | 36.48 | 4.78 |
|      | 10                       | 16.36                       | 4.95 | 18.69   | 5.33 | 23.33   | 6.23 | 25.64 | 6.37 | 27.97   | 6.63 | 32.17   | 7.25 | 36.48 | 4.91 |
|      | 12                       | 16.36                       | 5.08 | 18.69   | 5.47 | 23.33   | 6.40 | 25.64 | 6.54 | 27.97   | 6.80 | 32.17   | 7.44 | 36.48 | 5.03 |
|      | 14                       | 16.36                       | 5.21 | 18.69   | 5.61 | 23.33   | 6.56 | 25.64 | 6.71 | 27.97   | 6.98 | 32.17   | 7.63 | 36.48 | 5.16 |
|      | 16                       | 16.36                       | 5.34 | 18.69   | 5.75 | 23.33   | 6.73 | 25.64 | 6.88 | 27.97   | 7.16 | 32.17   | 7.82 | 36.48 | 5.29 |
|      | 18                       | 16.36                       | 5.48 | 18.69   | 5.89 | 23.33   | 6.89 | 25.64 | 7.05 | 27.97   | 7.33 | 32.17   | 8.02 | 36.48 | 5.43 |
|      | 20                       | 16.36                       | 5.61 | 18.69   | 6.04 | 23.33   | 7.06 | 25.64 | 7.22 | 27.97   | 7.51 | 32.17   | 8.21 | 36.48 | 5.56 |
|      | 21                       | 16.36                       | 5.68 | 18.69   | 6.11 | 23.33   | 7.15 | 25.64 | 7.31 | 27.97   | 7.60 | 32.17   | 8.31 | 36.48 | 5.62 |
|      | 23                       | 16.36                       | 5.81 | 18.69   | 6.25 | 23.33   | 7.31 | 25.64 | 7.48 | 27.97   | 7.78 | 32.17   | 8.51 | 36.48 | 5.76 |
|      | 25                       | 16.36                       | 5.95 | 18.69   | 6.40 | 23.33   | 7.49 | 25.64 | 7.66 | 27.97   | 7.96 | 32.17   | 8.71 | 36.48 | 5.89 |
|      | 27                       | 16.36                       | 6.08 | 18.69   | 6.55 | 23.33   | 7.66 | 25.64 | 7.83 | 27.97   | 8.15 | 32.17   | 8.91 | 36.48 | 6.03 |
|      | 29                       | 16.36                       | 6.22 | 18.69   | 6.70 | 23.33   | 7.83 | 25.64 | 8.01 | 27.97   | 8.33 | 32.17   | 9.11 | 36.48 | 6.16 |
|      | 31                       | 16.36                       | 6.36 | 18.69   | 6.84 | 23.33   | 8.00 | 25.64 | 8.19 | 27.97   | 8.52 | 32.17   | 9.31 | 36.48 | 6.30 |
|      | 33                       | 16.36                       | 6.50 | 18.69   | 6.99 | 23.33   | 8.18 | 25.64 | 8.37 | 27.97   | 8.70 | 32.05   | 9.48 | 34.02 | 6.00 |
|      | 35                       | 16.36                       | 6.64 | 18.69   | 7.15 | 23.33   | 8.36 | 25.20 | 8.40 | 27.41   | 8.71 | 31.94   | 9.65 | 32.72 | 5.90 |
|      | 37                       | 16.36                       | 6.79 | 18.69   | 7.30 | 23.33   | 8.54 | 25.20 | 8.59 | 27.41   | 8.90 | 31.50   | 9.73 | 32.17 | 5.93 |
|      | 39                       | 16.36                       | 6.93 | 18.69   | 7.46 | 23.33   | 8.73 | 25.20 | 8.77 | 27.41   | 9.10 | 30.73   | 9.70 | 31.17 | 5.87 |
|      | 41                       | 16.36                       | 7.08 | 18.69   | 7.62 | 23.33   | 8.91 | 25.20 | 8.96 | 27.41   | 9.29 | 28.63   | 9.23 | 30.82 | 5.93 |
|      | 43                       | 16.36                       | 7.23 | 18.69   | 7.78 | 23.33   | 9.10 | 25.20 | 9.15 | 26.42   | 9.15 | 28.15   | 9.26 | 30.59 | 6.01 |
|      | 46                       | 16.36                       | 7.38 | 18.69   | 7.95 | 23.08   | 9.19 | 24.29 | 9.01 | 25.51   | 9.02 | 27.94   | 9.39 | 30.37 | 6.09 |
|      | 48                       | 16.36                       | 7.61 | 18.69   | 8.19 | 22.86   | 9.39 | 24.07 | 9.20 | 25.27   | 9.21 | 27.68   | 9.58 | 30.08 | 6.22 |
|      | 50                       | 16.36                       | 7.76 | 18.69   | 8.36 | 22.72   | 9.52 | 23.91 | 9.32 | 25.11   | 9.33 | 27.50   | 9.72 | 29.89 | 6.30 |
|      | 52                       | 16.36                       | 7.92 | 18.69   | 8.52 | 22.58   | 9.64 | 23.76 | 9.45 | 24.95   | 9.46 | 27.33   | 9.85 | 29.70 | 6.39 |
|      | 55                       | 16.36                       | 8.07 | 18.69   | 8.69 | 22.43   | 9.77 | 23.61 | 9.57 | 24.79   | 9.58 | 27.15   | 9.98 | 29.52 | 6.47 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.1:8HP cooling capacity(continued)

| CR  | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |      |         |      |         |      |       |      |         |      |         |      |       |      |
|-----|--------------------------|-----------------------------|------|---------|------|---------|------|-------|------|---------|------|---------|------|-------|------|
|     |                          | 20.8/14                     |      | 23.3/16 |      | 25.8/18 |      | 27/19 |      | 28.2/20 |      | 30.7/22 |      | 32/24 |      |
|     |                          | TC                          | PI   | TC      | PI   | TC      | PI   | TC    | PI   | TC      | PI   | TC      | PI   | TC    | PI   |
| 90% | -15                      | 14.70                       | 2.94 | 16.80   | 3.17 | 21.00   | 3.71 | 23.10 | 3.80 | 25.20   | 3.95 | 29.40   | 4.38 | 32.93 | 2.93 |
|     | -10                      | 14.70                       | 3.20 | 16.80   | 3.45 | 21.00   | 4.04 | 23.10 | 4.13 | 25.20   | 4.30 | 29.40   | 4.77 | 32.93 | 3.19 |
|     | -5                       | 14.70                       | 3.47 | 16.80   | 3.73 | 21.00   | 4.37 | 23.10 | 4.48 | 25.20   | 4.66 | 29.40   | 5.16 | 32.93 | 3.45 |
|     | -2                       | 14.70                       | 3.63 | 16.80   | 3.91 | 21.00   | 4.58 | 23.10 | 4.68 | 25.20   | 4.87 | 29.40   | 5.40 | 32.93 | 3.61 |
|     | 0                        | 14.70                       | 3.74 | 16.80   | 4.02 | 21.00   | 4.71 | 23.10 | 4.82 | 25.20   | 5.02 | 29.40   | 5.56 | 32.93 | 3.72 |
|     | 2                        | 14.70                       | 3.85 | 16.80   | 4.14 | 21.00   | 4.85 | 23.10 | 4.96 | 25.20   | 5.16 | 29.40   | 5.73 | 32.93 | 3.83 |
|     | 4                        | 14.70                       | 3.96 | 16.80   | 4.26 | 21.00   | 4.99 | 23.10 | 5.11 | 25.20   | 5.31 | 29.40   | 5.89 | 32.93 | 3.94 |
|     | 6                        | 14.70                       | 4.07 | 16.80   | 4.38 | 21.00   | 5.13 | 23.10 | 5.25 | 25.20   | 5.46 | 29.40   | 6.05 | 32.93 | 4.05 |
|     | 8                        | 14.70                       | 4.18 | 16.80   | 4.50 | 21.00   | 5.27 | 23.10 | 5.39 | 25.20   | 5.61 | 29.40   | 6.22 | 32.93 | 4.16 |
|     | 10                       | 14.70                       | 4.29 | 16.80   | 4.62 | 21.00   | 5.41 | 23.10 | 5.54 | 25.20   | 5.76 | 29.40   | 6.39 | 32.93 | 4.27 |
|     | 12                       | 14.70                       | 4.40 | 16.80   | 4.74 | 21.00   | 5.55 | 23.10 | 5.68 | 25.20   | 5.91 | 29.40   | 6.55 | 32.93 | 4.38 |
|     | 14                       | 14.70                       | 4.52 | 16.80   | 4.86 | 21.00   | 5.69 | 23.10 | 5.83 | 25.20   | 6.06 | 29.40   | 6.72 | 32.93 | 4.49 |
|     | 16                       | 14.70                       | 4.63 | 16.80   | 4.98 | 21.00   | 5.84 | 23.10 | 5.98 | 25.20   | 6.22 | 29.40   | 6.89 | 32.93 | 4.61 |
|     | 18                       | 14.70                       | 4.74 | 16.80   | 5.11 | 21.00   | 5.98 | 23.10 | 6.12 | 25.20   | 6.37 | 29.40   | 7.06 | 32.93 | 4.72 |
|     | 20                       | 14.70                       | 4.86 | 16.80   | 5.23 | 21.00   | 6.13 | 23.10 | 6.27 | 25.20   | 6.53 | 29.40   | 7.24 | 32.93 | 4.84 |
|     | 21                       | 14.70                       | 4.92 | 16.80   | 5.30 | 21.00   | 6.20 | 23.10 | 6.35 | 25.20   | 6.60 | 29.40   | 7.32 | 32.93 | 4.90 |
|     | 23                       | 14.70                       | 5.03 | 16.80   | 5.42 | 21.00   | 6.35 | 23.10 | 6.50 | 25.20   | 6.76 | 29.40   | 7.50 | 32.93 | 5.01 |
|     | 25                       | 14.70                       | 5.15 | 16.80   | 5.55 | 21.00   | 6.50 | 23.10 | 6.65 | 25.20   | 6.92 | 29.40   | 7.67 | 32.93 | 5.13 |
|     | 27                       | 14.70                       | 5.27 | 16.80   | 5.68 | 21.00   | 6.65 | 23.10 | 6.80 | 25.20   | 7.08 | 29.40   | 7.85 | 32.93 | 5.25 |
|     | 29                       | 14.70                       | 5.39 | 16.80   | 5.80 | 21.00   | 6.80 | 23.10 | 6.96 | 25.20   | 7.24 | 29.40   | 8.02 | 32.93 | 5.36 |
|     | 31                       | 14.70                       | 5.51 | 16.80   | 5.93 | 21.00   | 6.95 | 23.10 | 7.11 | 25.20   | 7.40 | 29.40   | 8.20 | 32.93 | 5.48 |
|     | 33                       | 14.70                       | 5.63 | 16.80   | 6.06 | 21.00   | 7.10 | 23.10 | 7.27 | 25.20   | 7.56 | 29.40   | 8.38 | 32.93 | 5.60 |
|     | 35                       | 14.70                       | 5.75 | 16.80   | 6.19 | 21.00   | 7.25 | 23.10 | 7.42 | 25.20   | 7.72 | 29.40   | 8.56 | 31.50 | 5.48 |
|     | 37                       | 14.70                       | 5.88 | 16.80   | 6.33 | 21.00   | 7.41 | 23.10 | 7.59 | 25.20   | 7.89 | 28.85   | 8.59 | 31.06 | 5.52 |
|     | 39                       | 14.70                       | 6.01 | 16.80   | 6.47 | 21.00   | 7.57 | 22.66 | 7.61 | 24.65   | 7.89 | 28.85   | 8.78 | 30.62 | 5.56 |
|     | 41                       | 14.70                       | 6.14 | 16.80   | 6.61 | 21.00   | 7.74 | 22.66 | 7.77 | 24.65   | 8.06 | 28.29   | 8.79 | 28.52 | 5.29 |
|     | 43                       | 14.70                       | 6.27 | 16.80   | 6.75 | 21.00   | 7.90 | 22.66 | 7.93 | 24.65   | 8.23 | 27.30   | 8.66 | 27.88 | 5.28 |
|     | 46                       | 14.70                       | 6.40 | 16.80   | 6.89 | 21.00   | 8.06 | 22.66 | 8.10 | 23.54   | 8.02 | 25.46   | 8.25 | 27.67 | 5.35 |
|     | 48                       | 14.70                       | 6.59 | 16.80   | 7.10 | 20.83   | 8.25 | 21.93 | 8.08 | 23.03   | 8.09 | 25.22   | 8.42 | 27.41 | 5.46 |
|     | 50                       | 14.70                       | 6.73 | 16.80   | 7.24 | 20.70   | 8.36 | 21.79 | 8.19 | 22.88   | 8.20 | 25.06   | 8.54 | 27.24 | 5.54 |
|     | 52                       | 14.70                       | 6.86 | 16.80   | 7.39 | 20.57   | 8.47 | 21.65 | 8.30 | 22.74   | 8.31 | 24.90   | 8.65 | 27.07 | 5.61 |
|     | 55                       | 14.70                       | 6.99 | 16.80   | 7.53 | 20.44   | 8.58 | 21.52 | 8.41 | 22.59   | 8.42 | 24.74   | 8.77 | 26.90 | 5.69 |
| 80% | -15                      | 13.04                       | 2.50 | 14.93   | 2.70 | 18.69   | 3.17 | 20.56 | 3.24 | 22.33   | 3.36 | 26.08   | 3.73 | 29.51 | 2.52 |
|     | -10                      | 13.04                       | 2.72 | 14.93   | 2.94 | 18.69   | 3.45 | 20.56 | 3.53 | 22.33   | 3.65 | 26.08   | 4.06 | 29.51 | 2.74 |
|     | -5                       | 13.04                       | 2.95 | 14.93   | 3.18 | 18.69   | 3.73 | 20.56 | 3.82 | 22.33   | 3.96 | 26.08   | 4.39 | 29.51 | 2.97 |
|     | -2                       | 13.04                       | 3.09 | 14.93   | 3.33 | 18.69   | 3.91 | 20.56 | 4.00 | 22.33   | 4.14 | 26.08   | 4.60 | 29.51 | 3.10 |
|     | 0                        | 13.04                       | 3.18 | 14.93   | 3.43 | 18.69   | 4.02 | 20.56 | 4.12 | 22.33   | 4.26 | 26.08   | 4.73 | 29.51 | 3.20 |
|     | 2                        | 13.04                       | 3.27 | 14.93   | 3.53 | 18.69   | 4.14 | 20.56 | 4.24 | 22.33   | 4.39 | 26.08   | 4.87 | 29.51 | 3.29 |
|     | 4                        | 13.04                       | 3.37 | 14.93   | 3.63 | 18.69   | 4.26 | 20.56 | 4.36 | 22.33   | 4.51 | 26.08   | 5.01 | 29.51 | 3.38 |
|     | 6                        | 13.04                       | 3.46 | 14.93   | 3.73 | 18.69   | 4.38 | 20.56 | 4.48 | 22.33   | 4.64 | 26.08   | 5.15 | 29.51 | 3.48 |
|     | 8                        | 13.04                       | 3.55 | 14.93   | 3.83 | 18.69   | 4.50 | 20.56 | 4.60 | 22.33   | 4.77 | 26.08   | 5.29 | 29.51 | 3.57 |
|     | 10                       | 13.04                       | 3.65 | 14.93   | 3.94 | 18.69   | 4.62 | 20.56 | 4.73 | 22.33   | 4.89 | 26.08   | 5.43 | 29.51 | 3.67 |
|     | 12                       | 13.04                       | 3.74 | 14.93   | 4.04 | 18.69   | 4.74 | 20.56 | 4.85 | 22.33   | 5.02 | 26.08   | 5.58 | 29.51 | 3.77 |
|     | 14                       | 13.04                       | 3.84 | 14.93   | 4.14 | 18.69   | 4.86 | 20.56 | 4.98 | 22.33   | 5.15 | 26.08   | 5.72 | 29.51 | 3.86 |
|     | 16                       | 13.04                       | 3.94 | 14.93   | 4.25 | 18.69   | 4.98 | 20.56 | 5.10 | 22.33   | 5.28 | 26.08   | 5.86 | 29.51 | 3.96 |
|     | 18                       | 13.04                       | 4.04 | 14.93   | 4.35 | 18.69   | 5.11 | 20.56 | 5.23 | 22.33   | 5.41 | 26.08   | 6.01 | 29.51 | 4.06 |
|     | 20                       | 13.04                       | 4.13 | 14.93   | 4.46 | 18.69   | 5.23 | 20.56 | 5.35 | 22.33   | 5.55 | 26.08   | 6.16 | 29.51 | 4.16 |
|     | 21                       | 13.04                       | 4.18 | 14.93   | 4.51 | 18.69   | 5.29 | 20.56 | 5.42 | 22.33   | 5.61 | 26.08   | 6.23 | 29.51 | 4.21 |
|     | 23                       | 13.04                       | 4.28 | 14.93   | 4.62 | 18.69   | 5.42 | 20.56 | 5.55 | 22.33   | 5.75 | 26.08   | 6.38 | 29.51 | 4.31 |
|     | 25                       | 13.04                       | 4.38 | 14.93   | 4.73 | 18.69   | 5.54 | 20.56 | 5.68 | 22.33   | 5.88 | 26.08   | 6.53 | 29.51 | 4.41 |
|     | 27                       | 13.04                       | 4.48 | 14.93   | 4.84 | 18.69   | 5.67 | 20.56 | 5.81 | 22.33   | 6.01 | 26.08   | 6.68 | 29.51 | 4.51 |
|     | 29                       | 13.04                       | 4.58 | 14.93   | 4.95 | 18.69   | 5.80 | 20.56 | 5.94 | 22.33   | 6.15 | 26.08   | 6.83 | 29.51 | 4.61 |
|     | 31                       | 13.04                       | 4.69 | 14.93   | 5.06 | 18.69   | 5.93 | 20.56 | 6.07 | 22.33   | 6.29 | 26.08   | 6.98 | 29.51 | 4.71 |
|     | 33                       | 13.04                       | 4.79 | 14.93   | 5.17 | 18.69   | 6.06 | 20.56 | 6.20 | 22.33   | 6.42 | 26.08   | 7.13 | 29.51 | 4.82 |
|     | 35                       | 13.04                       | 4.89 | 14.93   | 5.28 | 18.69   | 6.19 | 20.56 | 6.34 | 22.33   | 6.56 | 26.08   | 7.28 | 29.51 | 4.92 |
|     | 37                       | 13.04                       | 5.00 | 14.93   | 5.39 | 18.69   | 6.33 | 20.56 | 6.48 | 22.33   | 6.71 | 26.08   | 7.45 | 29.51 | 5.03 |
|     | 39                       | 13.04                       | 5.11 | 14.93   | 5.51 | 18.69   | 6.46 | 20.56 | 6.62 | 22.33   | 6.85 | 25.64   | 7.48 | 29.19 | 5.08 |
|     | 41                       | 13.04                       | 5.22 | 14.93   | 5.63 | 18.69   | 6.60 | 20.56 | 6.76 | 21.99   | 6.89 | 25.64   | 7.64 | 27.97 | 4.97 |
|     | 43                       | 13.04                       | 5.33 | 14.93   | 5.75 | 18.69   | 6.74 | 20.12 | 6.76 | 21.99   | 7.04 | 25.54   | 7.77 | 25.75 | 4.68 |
|     | 46                       | 13.04                       | 5.44 | 14.93   | 5.87 | 18.69   | 6.88 | 20.12 | 6.90 | 21.99   | 7.19 | 24.43   | 7.59 | 24.90 | 4.62 |
|     | 48                       | 13.04                       | 5.61 | 14.93   | 6.05 | 18.69   | 7.10 | 19.73 | 6.97 | 20.72   | 6.98 | 22.69   | 7.27 | 24.67 | 4.71 |
|     | 50                       | 13.04                       | 5.72 | 14.93   | 6.17 | 18.63   | 7.22 | 19.61 | 7.07 | 20.59   | 7.08 | 22.55   | 7.37 | 24.51 | 4.78 |
|     | 52                       | 13.04                       | 5.84 | 14.93   | 6.29 | 18.51   | 7.31 | 19.49 | 7.16 | 20.46   | 7.17 | 22.41   | 7.47 | 24.36 | 4.84 |
|     | 55                       | 13.04                       | 5.95 | 14.93   | 6.42 | 18.39   | 7.41 | 19.36 | 7.26 | 20.33   | 7.27 | 22.27   | 7.56 | 24.20 | 4.91 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

## V8 PRO VRF 50Hz



Table2-8.1:8HP cooling capacity(continued)

| CR  | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |      |         |      |         |      |       |      |         |      |         |      |       |      |
|-----|--------------------------|-----------------------------|------|---------|------|---------|------|-------|------|---------|------|---------|------|-------|------|
|     |                          | 20.8/14                     |      | 23.3/16 |      | 25.8/18 |      | 27/19 |      | 28.2/20 |      | 30.7/22 |      | 32/24 |      |
|     |                          | TC                          | PI   | TC      | PI   | TC      | PI   | TC    | PI   | TC      | PI   | TC      | PI   | TC    | PI   |
| 70% | -15                      | 11.38                       | 2.08 | 13.04   | 2.25 | 16.36   | 2.64 | 17.91 | 2.69 | 19.57   | 2.80 | 22.89   | 3.12 | 26.08 | 2.12 |
|     | -10                      | 11.38                       | 2.27 | 13.04   | 2.45 | 16.36   | 2.87 | 17.91 | 2.93 | 19.57   | 3.05 | 22.89   | 3.39 | 26.08 | 2.31 |
|     | -5                       | 11.38                       | 2.45 | 13.04   | 2.65 | 16.36   | 3.11 | 17.91 | 3.17 | 19.57   | 3.30 | 22.89   | 3.67 | 26.08 | 2.50 |
|     | -2                       | 11.38                       | 2.57 | 13.04   | 2.77 | 16.36   | 3.26 | 17.91 | 3.32 | 19.57   | 3.46 | 22.89   | 3.84 | 26.08 | 2.61 |
|     | 0                        | 11.38                       | 2.64 | 13.04   | 2.85 | 16.36   | 3.35 | 17.91 | 3.42 | 19.57   | 3.56 | 22.89   | 3.96 | 26.08 | 2.69 |
|     | 2                        | 11.38                       | 2.72 | 13.04   | 2.94 | 16.36   | 3.45 | 17.91 | 3.52 | 19.57   | 3.66 | 22.89   | 4.07 | 26.08 | 2.77 |
|     | 4                        | 11.38                       | 2.80 | 13.04   | 3.02 | 16.36   | 3.55 | 17.91 | 3.62 | 19.57   | 3.77 | 22.89   | 4.19 | 26.08 | 2.85 |
|     | 6                        | 11.38                       | 2.88 | 13.04   | 3.11 | 16.36   | 3.65 | 17.91 | 3.72 | 19.57   | 3.87 | 22.89   | 4.31 | 26.08 | 2.93 |
|     | 8                        | 11.38                       | 2.95 | 13.04   | 3.19 | 16.36   | 3.75 | 17.91 | 3.82 | 19.57   | 3.98 | 22.89   | 4.42 | 26.08 | 3.01 |
|     | 10                       | 11.38                       | 3.03 | 13.04   | 3.28 | 16.36   | 3.85 | 17.91 | 3.92 | 19.57   | 4.09 | 22.89   | 4.54 | 26.08 | 3.09 |
|     | 12                       | 11.38                       | 3.11 | 13.04   | 3.36 | 16.36   | 3.95 | 17.91 | 4.03 | 19.57   | 4.19 | 22.89   | 4.66 | 26.08 | 3.17 |
|     | 14                       | 11.38                       | 3.19 | 13.04   | 3.45 | 16.36   | 4.05 | 17.91 | 4.13 | 19.57   | 4.30 | 22.89   | 4.78 | 26.08 | 3.25 |
|     | 16                       | 11.38                       | 3.27 | 13.04   | 3.54 | 16.36   | 4.16 | 17.91 | 4.23 | 19.57   | 4.41 | 22.89   | 4.90 | 26.08 | 3.33 |
|     | 18                       | 11.38                       | 3.36 | 13.04   | 3.62 | 16.36   | 4.26 | 17.91 | 4.34 | 19.57   | 4.52 | 22.89   | 5.03 | 26.08 | 3.42 |
|     | 20                       | 11.38                       | 3.44 | 13.04   | 3.71 | 16.36   | 4.36 | 17.91 | 4.44 | 19.57   | 4.63 | 22.89   | 5.15 | 26.08 | 3.50 |
|     | 21                       | 11.38                       | 3.48 | 13.04   | 3.76 | 16.36   | 4.41 | 17.91 | 4.50 | 19.57   | 4.69 | 22.89   | 5.21 | 26.08 | 3.54 |
|     | 23                       | 11.38                       | 3.56 | 13.04   | 3.84 | 16.36   | 4.52 | 17.91 | 4.60 | 19.57   | 4.80 | 22.89   | 5.33 | 26.08 | 3.63 |
|     | 25                       | 11.38                       | 3.64 | 13.04   | 3.93 | 16.36   | 4.62 | 17.91 | 4.71 | 19.57   | 4.91 | 22.89   | 5.46 | 26.08 | 3.71 |
|     | 27                       | 11.38                       | 3.73 | 13.04   | 4.02 | 16.36   | 4.73 | 17.91 | 4.82 | 19.57   | 5.02 | 22.89   | 5.58 | 26.08 | 3.80 |
|     | 29                       | 11.38                       | 3.81 | 13.04   | 4.12 | 16.36   | 4.84 | 17.91 | 4.93 | 19.57   | 5.14 | 22.89   | 5.71 | 26.08 | 3.88 |
|     | 31                       | 11.38                       | 3.90 | 13.04   | 4.21 | 16.36   | 4.94 | 17.91 | 5.04 | 19.57   | 5.25 | 22.89   | 5.84 | 26.08 | 3.97 |
|     | 33                       | 11.38                       | 3.98 | 13.04   | 4.30 | 16.36   | 5.05 | 17.91 | 5.15 | 19.57   | 5.36 | 22.89   | 5.96 | 26.08 | 4.05 |
|     | 35                       | 11.38                       | 4.07 | 13.04   | 4.39 | 16.36   | 5.16 | 17.91 | 5.26 | 19.57   | 5.48 | 22.89   | 6.09 | 26.08 | 4.14 |
|     | 37                       | 11.38                       | 4.16 | 13.04   | 4.49 | 16.36   | 5.28 | 17.91 | 5.38 | 19.57   | 5.60 | 22.89   | 6.23 | 26.08 | 4.23 |
|     | 39                       | 11.38                       | 4.25 | 13.04   | 4.59 | 16.36   | 5.39 | 17.91 | 5.49 | 19.57   | 5.72 | 22.89   | 6.36 | 26.08 | 4.33 |
|     | 41                       | 11.38                       | 4.34 | 13.04   | 4.69 | 16.36   | 5.51 | 17.91 | 5.61 | 19.57   | 5.85 | 22.89   | 6.50 | 25.83 | 4.38 |
|     | 43                       | 11.38                       | 4.43 | 13.04   | 4.78 | 16.36   | 5.62 | 17.91 | 5.73 | 19.57   | 5.97 | 22.43   | 6.50 | 25.31 | 4.38 |
|     | 46                       | 11.38                       | 4.52 | 13.04   | 4.88 | 16.36   | 5.74 | 17.91 | 5.85 | 19.23   | 5.99 | 22.43   | 6.64 | 24.32 | 4.30 |
|     | 48                       | 11.38                       | 4.66 | 13.04   | 5.03 | 16.36   | 5.92 | 17.58 | 5.92 | 18.35   | 5.89 | 20.67   | 6.31 | 21.85 | 3.98 |
|     | 50                       | 11.38                       | 4.76 | 13.04   | 5.14 | 16.36   | 6.04 | 17.37 | 5.96 | 18.24   | 5.97 | 19.97   | 6.22 | 21.71 | 4.03 |
|     | 52                       | 11.38                       | 4.85 | 13.04   | 5.24 | 16.36   | 6.16 | 17.26 | 6.04 | 18.12   | 6.05 | 19.85   | 6.30 | 21.57 | 4.09 |
|     | 55                       | 11.38                       | 4.95 | 13.04   | 5.34 | 16.29   | 6.25 | 17.15 | 6.12 | 18.01   | 6.13 | 19.72   | 6.38 | 21.44 | 4.14 |
| 60% | -15                      | 9.83                        | 1.70 | 11.17   | 1.82 | 14.03   | 2.14 | 15.37 | 2.18 | 16.80   | 2.27 | 19.57   | 2.52 | 22.33 | 1.71 |
|     | -10                      | 9.83                        | 1.85 | 11.17   | 1.98 | 14.03   | 2.33 | 15.37 | 2.38 | 16.80   | 2.48 | 19.57   | 2.74 | 22.33 | 1.87 |
|     | -5                       | 9.83                        | 2.00 | 11.17   | 2.14 | 14.03   | 2.52 | 15.37 | 2.57 | 16.80   | 2.68 | 19.57   | 2.97 | 22.33 | 2.02 |
|     | -2                       | 9.83                        | 2.10 | 11.17   | 2.24 | 14.03   | 2.64 | 15.37 | 2.69 | 16.80   | 2.81 | 19.57   | 3.11 | 22.33 | 2.12 |
|     | 0                        | 9.83                        | 2.16 | 11.17   | 2.31 | 14.03   | 2.72 | 15.37 | 2.77 | 16.80   | 2.89 | 19.57   | 3.20 | 22.33 | 2.18 |
|     | 2                        | 9.83                        | 2.22 | 11.17   | 2.38 | 14.03   | 2.80 | 15.37 | 2.85 | 16.80   | 2.97 | 19.57   | 3.29 | 22.33 | 2.24 |
|     | 4                        | 9.83                        | 2.28 | 11.17   | 2.45 | 14.03   | 2.88 | 15.37 | 2.93 | 16.80   | 3.06 | 19.57   | 3.39 | 22.33 | 2.31 |
|     | 6                        | 9.83                        | 2.35 | 11.17   | 2.51 | 14.03   | 2.96 | 15.37 | 3.02 | 16.80   | 3.14 | 19.57   | 3.48 | 22.33 | 2.37 |
|     | 8                        | 9.83                        | 2.41 | 11.17   | 2.58 | 14.03   | 3.04 | 15.37 | 3.10 | 16.80   | 3.23 | 19.57   | 3.58 | 22.33 | 2.43 |
|     | 10                       | 9.83                        | 2.48 | 11.17   | 2.65 | 14.03   | 3.12 | 15.37 | 3.18 | 16.80   | 3.32 | 19.57   | 3.67 | 22.33 | 2.50 |
|     | 12                       | 9.83                        | 1.60 | 11.17   | 1.72 | 14.03   | 2.02 | 15.37 | 2.06 | 16.80   | 2.14 | 19.57   | 2.37 | 22.33 | 2.57 |
|     | 14                       | 9.83                        | 1.64 | 11.17   | 1.76 | 14.03   | 2.07 | 15.37 | 2.11 | 16.80   | 2.20 | 19.57   | 2.44 | 22.33 | 2.63 |
|     | 16                       | 9.83                        | 1.68 | 11.17   | 1.80 | 14.03   | 2.12 | 15.37 | 2.16 | 16.80   | 2.26 | 19.57   | 2.50 | 22.33 | 2.70 |
|     | 18                       | 9.83                        | 1.73 | 11.17   | 1.85 | 14.03   | 2.18 | 15.37 | 2.22 | 16.80   | 2.31 | 19.57   | 2.56 | 22.33 | 2.77 |
|     | 20                       | 9.83                        | 1.77 | 11.17   | 1.89 | 14.03   | 2.23 | 15.37 | 2.27 | 16.80   | 2.37 | 19.57   | 2.62 | 22.33 | 2.83 |
|     | 21                       | 9.83                        | 1.79 | 11.17   | 1.92 | 14.03   | 2.25 | 15.37 | 2.30 | 16.80   | 2.40 | 19.57   | 2.65 | 22.33 | 2.87 |
|     | 23                       | 9.83                        | 1.83 | 11.17   | 1.96 | 14.03   | 2.31 | 15.37 | 2.35 | 16.80   | 2.45 | 19.57   | 2.72 | 22.33 | 2.93 |
|     | 25                       | 9.83                        | 1.88 | 11.17   | 2.01 | 14.03   | 2.36 | 15.37 | 2.41 | 16.80   | 2.51 | 19.57   | 2.78 | 22.33 | 3.00 |
|     | 27                       | 9.83                        | 1.92 | 11.17   | 2.05 | 14.03   | 2.42 | 15.37 | 2.46 | 16.80   | 2.57 | 19.57   | 2.84 | 22.33 | 3.07 |
|     | 29                       | 9.83                        | 1.96 | 11.17   | 2.10 | 14.03   | 2.47 | 15.37 | 2.52 | 16.80   | 2.63 | 19.57   | 2.91 | 22.33 | 3.14 |
|     | 31                       | 9.83                        | 2.01 | 11.17   | 2.15 | 14.03   | 2.53 | 15.37 | 2.58 | 16.80   | 2.68 | 19.57   | 2.97 | 22.33 | 3.21 |
|     | 33                       | 9.83                        | 2.05 | 11.17   | 2.19 | 14.03   | 2.58 | 15.37 | 2.63 | 16.80   | 2.74 | 19.57   | 3.04 | 22.33 | 3.28 |
|     | 35                       | 9.83                        | 2.09 | 11.17   | 2.24 | 14.03   | 2.64 | 15.37 | 2.69 | 16.80   | 2.80 | 19.57   | 3.10 | 22.33 | 3.35 |
|     | 37                       | 9.83                        | 2.14 | 11.17   | 2.29 | 14.03   | 2.70 | 15.37 | 2.75 | 16.80   | 2.86 | 19.57   | 3.17 | 22.33 | 3.43 |
|     | 39                       | 9.83                        | 2.19 | 11.17   | 2.34 | 14.03   | 2.75 | 15.37 | 2.81 | 16.80   | 2.93 | 19.57   | 3.24 | 22.33 | 3.50 |
|     | 41                       | 9.83                        | 2.23 | 11.17   | 2.39 | 14.03   | 2.81 | 15.37 | 2.87 | 16.80   | 2.99 | 19.57   | 3.31 | 22.33 | 3.58 |
|     | 43                       | 9.83                        | 2.28 | 11.17   | 2.44 | 14.03   | 2.87 | 15.37 | 2.93 | 16.80   | 3.05 | 19.57   | 3.38 | 22.33 | 3.65 |
|     | 46                       | 9.83                        | 2.33 | 11.17   | 2.49 | 14.03   | 2.93 | 15.37 | 2.99 | 16.80   | 3.12 | 19.57   | 3.45 | 22.05 | 3.68 |
|     | 48                       | 9.83                        | 2.40 | 11.17   | 2.57 | 14.03   | 3.02 | 15.37 | 3.08 | 16.47   | 3.15 | 18.02   | 3.27 | 20.45 | 3.52 |
|     | 50                       | 9.83                        | 2.45 | 11.17   | 2.62 | 14.03   | 3.08 | 15.07 | 3.08 | 15.82   | 3.09 | 17.33   | 3.21 | 18.83 | 3.31 |
|     | 52                       | 9.83                        | 2.50 | 11.17   | 2.67 | 14.03   | 3.15 | 14.97 | 3.12 | 15.72   | 3.13 | 17.22   | 3.26 | 18.71 | 3.35 |
|     | 55                       | 9.83                        | 2.55 | 11.17   | 2.73 | 14.03   | 3.21 | 14.88 | 3.16 | 15.62   | 3.17 | 17.11   | 3.30 | 18.59 | 3.39 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.1:8HP cooling capacity(continued)

| CR  | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |      |         |      |         |      |       |      |         |      |         |      |       |      |
|-----|--------------------------|-----------------------------|------|---------|------|---------|------|-------|------|---------|------|---------|------|-------|------|
|     |                          | 20.8/14                     |      | 23.3/16 |      | 25.8/18 |      | 27/19 |      | 28.2/20 |      | 30.7/22 |      | 32/24 |      |
|     |                          | TC                          | PI   | TC      | PI   | TC      | PI   | TC    | PI   | TC      | PI   | TC      | PI   | TC    | PI   |
| 50% | -15                      | 8.17                        | 0.83 | 9.28    | 0.89 | 11.61   | 1.04 | 12.83 | 1.07 | 14.03   | 1.12 | 16.36   | 1.24 | 18.69 | 1.34 |
|     | -10                      | 8.17                        | 0.91 | 9.28    | 0.97 | 11.61   | 1.14 | 12.83 | 1.17 | 14.03   | 1.22 | 16.36   | 1.35 | 18.69 | 1.46 |
|     | -5                       | 8.17                        | 0.98 | 9.28    | 1.05 | 11.61   | 1.23 | 12.83 | 1.27 | 14.03   | 1.32 | 16.36   | 1.46 | 18.69 | 1.58 |
|     | -2                       | 8.17                        | 1.03 | 9.28    | 1.10 | 11.61   | 1.29 | 12.83 | 1.33 | 14.03   | 1.38 | 16.36   | 1.53 | 18.69 | 1.66 |
|     | 0                        | 8.17                        | 1.06 | 9.28    | 1.13 | 11.61   | 1.33 | 12.83 | 1.36 | 14.03   | 1.42 | 16.36   | 1.58 | 18.69 | 1.71 |
|     | 2                        | 8.17                        | 1.09 | 9.28    | 1.17 | 11.61   | 1.37 | 12.83 | 1.40 | 14.03   | 1.46 | 16.36   | 1.62 | 18.69 | 1.76 |
|     | 4                        | 8.17                        | 1.12 | 9.28    | 1.20 | 11.61   | 1.40 | 12.83 | 1.44 | 14.03   | 1.51 | 16.36   | 1.67 | 18.69 | 1.81 |
|     | 6                        | 8.17                        | 1.15 | 9.28    | 1.23 | 11.61   | 1.44 | 12.83 | 1.49 | 14.03   | 1.55 | 16.36   | 1.72 | 18.69 | 1.86 |
|     | 8                        | 8.17                        | 1.18 | 9.28    | 1.27 | 11.61   | 1.48 | 12.83 | 1.53 | 14.03   | 1.59 | 16.36   | 1.76 | 18.69 | 1.91 |
|     | 10                       | 8.17                        | 1.21 | 9.28    | 1.30 | 11.61   | 1.52 | 12.83 | 1.57 | 14.03   | 1.63 | 16.36   | 1.81 | 18.69 | 1.96 |
|     | 12                       | 8.17                        | 1.25 | 9.28    | 1.33 | 11.61   | 1.56 | 12.83 | 1.61 | 14.03   | 1.68 | 16.36   | 1.86 | 18.69 | 2.01 |
|     | 14                       | 8.17                        | 1.28 | 9.28    | 1.37 | 11.61   | 1.60 | 12.83 | 1.65 | 14.03   | 1.72 | 16.36   | 1.91 | 18.69 | 2.06 |
|     | 16                       | 8.17                        | 1.31 | 9.28    | 1.40 | 11.61   | 1.64 | 12.83 | 1.69 | 14.03   | 1.76 | 16.36   | 1.95 | 18.69 | 2.11 |
|     | 18                       | 8.17                        | 1.34 | 9.28    | 1.44 | 11.61   | 1.68 | 12.83 | 1.73 | 14.03   | 1.81 | 16.36   | 2.00 | 18.69 | 2.17 |
|     | 20                       | 8.17                        | 1.38 | 9.28    | 1.47 | 11.61   | 1.73 | 12.83 | 1.77 | 14.03   | 1.85 | 16.36   | 2.05 | 18.69 | 2.22 |
|     | 21                       | 8.17                        | 1.39 | 9.28    | 1.49 | 11.61   | 1.75 | 12.83 | 1.80 | 14.03   | 1.87 | 16.36   | 2.08 | 18.69 | 2.25 |
|     | 23                       | 8.17                        | 1.43 | 9.28    | 1.53 | 11.61   | 1.79 | 12.83 | 1.84 | 14.03   | 1.92 | 16.36   | 2.12 | 18.69 | 2.30 |
|     | 25                       | 8.17                        | 1.46 | 9.28    | 1.56 | 11.61   | 1.83 | 12.83 | 1.88 | 14.03   | 1.96 | 16.36   | 2.17 | 18.69 | 2.35 |
|     | 27                       | 8.17                        | 1.49 | 9.28    | 1.60 | 11.61   | 1.87 | 12.83 | 1.92 | 14.03   | 2.01 | 16.36   | 2.22 | 18.69 | 2.41 |
|     | 29                       | 8.17                        | 1.53 | 9.28    | 1.63 | 11.61   | 1.91 | 12.83 | 1.97 | 14.03   | 2.05 | 16.36   | 2.27 | 18.69 | 2.46 |
|     | 31                       | 8.17                        | 1.56 | 9.28    | 1.67 | 11.61   | 1.96 | 12.83 | 2.01 | 14.03   | 2.10 | 16.36   | 2.33 | 18.69 | 2.52 |
|     | 33                       | 8.17                        | 1.59 | 9.28    | 1.71 | 11.61   | 2.00 | 12.83 | 2.06 | 14.03   | 2.14 | 16.36   | 2.38 | 18.69 | 2.57 |
|     | 35                       | 8.17                        | 1.63 | 9.28    | 1.74 | 11.61   | 2.04 | 12.83 | 2.10 | 14.03   | 2.19 | 16.36   | 2.43 | 18.69 | 2.63 |
|     | 37                       | 8.17                        | 1.66 | 9.28    | 1.78 | 11.61   | 2.09 | 12.83 | 2.15 | 14.03   | 2.24 | 16.36   | 2.48 | 18.69 | 2.68 |
|     | 39                       | 8.17                        | 1.70 | 9.28    | 1.82 | 11.61   | 2.13 | 12.83 | 2.19 | 14.03   | 2.29 | 16.36   | 2.53 | 18.69 | 2.74 |
|     | 41                       | 8.17                        | 1.74 | 9.28    | 1.86 | 11.61   | 2.18 | 12.83 | 2.24 | 14.03   | 2.34 | 16.36   | 2.59 | 18.69 | 2.80 |
|     | 43                       | 8.17                        | 1.77 | 9.28    | 1.90 | 11.61   | 2.22 | 12.83 | 2.29 | 14.03   | 2.39 | 16.36   | 2.64 | 18.69 | 2.86 |
|     | 46                       | 8.17                        | 1.81 | 9.28    | 1.94 | 11.61   | 2.27 | 12.83 | 2.34 | 14.03   | 2.44 | 16.36   | 2.70 | 18.69 | 2.92 |
|     | 48                       | 8.17                        | 1.87 | 9.28    | 2.00 | 11.61   | 2.34 | 12.83 | 2.41 | 14.03   | 2.51 | 16.36   | 2.78 | 18.69 | 3.01 |
|     | 50                       | 8.17                        | 1.90 | 9.28    | 2.04 | 11.61   | 2.39 | 12.83 | 2.46 | 14.03   | 2.56 | 15.94   | 2.77 | 17.33 | 2.85 |
|     | 52                       | 8.17                        | 1.94 | 9.28    | 2.08 | 11.61   | 2.44 | 12.62 | 2.47 | 13.26   | 2.47 | 14.52   | 2.57 | 15.78 | 2.64 |
|     | 55                       | 8.17                        | 1.98 | 9.28    | 2.12 | 11.61   | 2.48 | 12.54 | 2.50 | 13.17   | 2.50 | 14.43   | 2.60 | 15.68 | 2.68 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

## V8 PRO VRF 50Hz



Table2-8.2:10HP cooling capacity

| CR   | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |      |         |       |         |       |       |       |         |       |         |       |       |      |
|------|--------------------------|-----------------------------|------|---------|-------|---------|-------|-------|-------|---------|-------|---------|-------|-------|------|
|      |                          | 20.8/14                     |      | 23.3/16 |       | 25.8/18 |       | 27/19 |       | 28.2/20 |       | 30.7/22 |       | 32/24 |      |
|      |                          | TC                          | PI   | TC      | PI    | TC      | PI    | TC    | PI    | TC      | PI    | TC      | PI    | TC    | PI   |
| 130% | -15                      | 22.42                       | 4.39 | 25.16   | 4.65  | 31.53   | 5.45  | 34.66 | 5.58  | 37.79   | 5.80  | 42.69   | 6.23  | 44.06 | 4.15 |
|      | -10                      | 22.42                       | 4.78 | 25.16   | 5.05  | 31.53   | 5.93  | 34.66 | 6.07  | 37.79   | 6.31  | 42.69   | 6.77  | 44.06 | 4.51 |
|      | -5                       | 22.42                       | 5.17 | 25.16   | 5.46  | 31.53   | 6.41  | 34.66 | 6.56  | 37.79   | 6.82  | 42.69   | 7.33  | 44.06 | 4.88 |
|      | -2                       | 22.42                       | 5.40 | 25.16   | 5.71  | 31.53   | 6.71  | 34.66 | 6.86  | 37.79   | 7.14  | 42.69   | 7.66  | 44.06 | 5.10 |
|      | 0                        | 22.42                       | 5.56 | 25.16   | 5.88  | 31.53   | 6.91  | 34.66 | 7.07  | 37.79   | 7.35  | 42.69   | 7.89  | 44.06 | 5.25 |
|      | 2                        | 22.42                       | 5.72 | 25.16   | 6.05  | 31.53   | 7.11  | 34.66 | 7.27  | 37.79   | 7.56  | 42.69   | 8.11  | 44.06 | 5.40 |
|      | 4                        | 22.42                       | 5.89 | 25.16   | 6.22  | 31.53   | 7.31  | 34.66 | 7.47  | 37.79   | 7.77  | 42.69   | 8.34  | 44.06 | 5.55 |
|      | 6                        | 22.42                       | 6.05 | 25.16   | 6.39  | 31.53   | 7.51  | 34.66 | 7.68  | 37.79   | 7.99  | 42.69   | 8.57  | 44.06 | 5.71 |
|      | 8                        | 22.42                       | 6.21 | 25.16   | 6.57  | 31.53   | 7.71  | 34.66 | 7.89  | 37.79   | 8.20  | 42.69   | 8.81  | 44.06 | 5.86 |
|      | 10                       | 22.42                       | 6.38 | 25.16   | 6.74  | 31.53   | 7.91  | 34.66 | 8.10  | 37.79   | 8.42  | 42.69   | 9.04  | 44.06 | 6.02 |
|      | 12                       | 22.42                       | 6.54 | 25.16   | 6.92  | 31.53   | 8.12  | 34.66 | 8.31  | 37.79   | 8.64  | 42.69   | 9.27  | 44.06 | 6.17 |
|      | 14                       | 22.42                       | 6.71 | 25.16   | 7.09  | 31.53   | 8.33  | 34.66 | 8.52  | 37.79   | 8.86  | 42.69   | 9.51  | 44.06 | 6.33 |
|      | 16                       | 22.42                       | 6.88 | 25.16   | 7.27  | 31.53   | 8.53  | 34.66 | 8.73  | 37.79   | 9.08  | 42.69   | 9.75  | 44.06 | 6.49 |
|      | 18                       | 22.42                       | 7.04 | 25.16   | 7.45  | 31.53   | 8.74  | 34.66 | 8.95  | 37.79   | 9.30  | 42.69   | 9.99  | 44.06 | 6.65 |
|      | 20                       | 22.42                       | 7.21 | 25.16   | 7.63  | 31.53   | 8.96  | 34.66 | 9.16  | 37.79   | 9.53  | 42.69   | 10.23 | 44.06 | 6.81 |
|      | 21                       | 22.42                       | 7.30 | 25.16   | 7.72  | 31.53   | 9.06  | 34.66 | 9.27  | 37.79   | 9.64  | 42.69   | 10.35 | 44.06 | 6.89 |
|      | 23                       | 22.42                       | 7.47 | 25.16   | 7.90  | 31.53   | 9.27  | 34.66 | 9.49  | 37.79   | 9.86  | 42.69   | 10.59 | 44.06 | 7.05 |
|      | 25                       | 22.42                       | 7.64 | 25.16   | 8.08  | 31.53   | 9.49  | 34.66 | 9.71  | 37.79   | 10.09 | 42.69   | 10.84 | 44.06 | 7.21 |
|      | 27                       | 22.42                       | 7.82 | 25.16   | 8.27  | 31.53   | 9.70  | 34.66 | 9.93  | 37.79   | 10.32 | 42.69   | 11.08 | 44.06 | 7.38 |
|      | 29                       | 22.42                       | 7.99 | 25.16   | 8.45  | 31.53   | 9.92  | 34.66 | 10.15 | 37.79   | 10.55 | 42.69   | 11.33 | 44.06 | 7.54 |
|      | 31                       | 22.42                       | 8.17 | 25.16   | 8.64  | 31.53   | 10.14 | 34.66 | 10.37 | 36.90   | 10.53 | 40.41   | 10.96 | 43.93 | 7.69 |
|      | 33                       | 22.42                       | 8.35 | 25.16   | 8.82  | 31.43   | 10.33 | 33.09 | 10.12 | 34.36   | 10.02 | 37.63   | 10.43 | 40.90 | 7.31 |
|      | 35                       | 22.42                       | 8.52 | 25.16   | 9.01  | 31.43   | 10.55 | 32.61 | 10.19 | 33.78   | 10.06 | 34.84   | 9.86  | 37.87 | 6.91 |
|      | 37                       | 22.42                       | 8.72 | 25.16   | 9.22  | 31.43   | 10.79 | 32.01 | 10.23 | 33.19   | 10.11 | 34.27   | 9.92  | 37.25 | 6.96 |
|      | 39                       | 22.42                       | 8.92 | 25.16   | 9.43  | 30.16   | 10.59 | 30.35 | 9.92  | 31.13   | 9.70  | 34.01   | 10.07 | 36.97 | 7.06 |
|      | 41                       | 22.02                       | 8.95 | 25.16   | 9.64  | 27.88   | 10.01 | 29.35 | 9.80  | 30.82   | 9.82  | 33.75   | 10.22 | 36.69 | 7.16 |
|      | 43                       | 22.02                       | 9.15 | 24.76   | 9.69  | 27.67   | 10.15 | 29.12 | 9.94  | 30.58   | 9.95  | 33.49   | 10.36 | 36.41 | 7.27 |
|      | 46                       | 21.67                       | 9.20 | 24.56   | 9.83  | 27.45   | 10.29 | 28.90 | 10.08 | 30.34   | 10.09 | 33.23   | 10.50 | 36.12 | 7.36 |
|      | 48                       | 21.43                       | 9.39 | 24.29   | 10.02 | 27.14   | 10.50 | 28.57 | 10.28 | 30.00   | 10.30 | 32.86   | 10.72 | 35.72 | 7.51 |
|      | 50                       | 21.27                       | 9.51 | 24.10   | 10.16 | 26.94   | 10.63 | 28.35 | 10.42 | 29.77   | 10.43 | 32.61   | 10.86 | 35.44 | 7.61 |
|      | 52                       | 21.10                       | 9.63 | 23.92   | 10.28 | 26.73   | 10.77 | 28.14 | 10.55 | 29.54   | 10.56 | 32.36   | 11.00 | 35.17 | 7.71 |
|      | 55                       | 20.94                       | 9.75 | 23.73   | 10.41 | 26.52   | 10.90 | 27.92 | 10.68 | 29.31   | 10.69 | 32.11   | 11.13 | 34.90 | 7.80 |
| 120% | -15                      | 21.05                       | 4.29 | 23.70   | 4.55  | 29.56   | 5.32  | 32.51 | 5.45  | 35.44   | 5.66  | 41.51   | 6.30  | 42.88 | 4.20 |
|      | -10                      | 21.05                       | 4.67 | 23.70   | 4.95  | 29.56   | 5.79  | 32.51 | 5.92  | 35.44   | 6.16  | 41.51   | 6.85  | 42.88 | 4.57 |
|      | -5                       | 21.05                       | 5.05 | 23.70   | 5.36  | 29.56   | 6.26  | 32.51 | 6.41  | 35.44   | 6.66  | 41.51   | 7.41  | 42.88 | 4.94 |
|      | -2                       | 21.05                       | 5.28 | 23.70   | 5.60  | 29.56   | 6.55  | 32.51 | 6.70  | 35.44   | 6.96  | 41.51   | 7.75  | 42.88 | 5.17 |
|      | 0                        | 21.05                       | 5.44 | 23.70   | 5.77  | 29.56   | 6.74  | 32.51 | 6.90  | 35.44   | 7.17  | 41.51   | 7.98  | 42.88 | 5.32 |
|      | 2                        | 21.05                       | 5.59 | 23.70   | 5.93  | 29.56   | 6.93  | 32.51 | 7.10  | 35.44   | 7.38  | 41.51   | 8.21  | 42.88 | 5.47 |
|      | 4                        | 21.05                       | 5.75 | 23.70   | 6.10  | 29.56   | 7.13  | 32.51 | 7.30  | 35.44   | 7.58  | 41.51   | 8.44  | 42.88 | 5.63 |
|      | 6                        | 21.05                       | 5.91 | 23.70   | 6.27  | 29.56   | 7.32  | 32.51 | 7.50  | 35.44   | 7.79  | 41.51   | 8.68  | 42.88 | 5.78 |
|      | 8                        | 21.05                       | 6.07 | 23.70   | 6.44  | 29.56   | 7.52  | 32.51 | 7.70  | 35.44   | 8.00  | 41.51   | 8.91  | 42.88 | 5.94 |
|      | 10                       | 21.05                       | 6.23 | 23.70   | 6.61  | 29.56   | 7.72  | 32.51 | 7.90  | 35.44   | 8.22  | 41.51   | 9.15  | 42.88 | 6.09 |
|      | 12                       | 21.05                       | 6.39 | 23.70   | 6.78  | 29.56   | 7.92  | 32.51 | 8.11  | 35.44   | 8.43  | 41.51   | 9.38  | 42.88 | 6.25 |
|      | 14                       | 21.05                       | 6.55 | 23.70   | 6.95  | 29.56   | 8.12  | 32.51 | 8.32  | 35.44   | 8.64  | 41.51   | 9.62  | 42.88 | 6.41 |
|      | 16                       | 21.05                       | 6.72 | 23.70   | 7.13  | 29.56   | 8.33  | 32.51 | 8.52  | 35.44   | 8.86  | 41.51   | 9.86  | 42.88 | 6.57 |
|      | 18                       | 21.05                       | 6.88 | 23.70   | 7.30  | 29.56   | 8.53  | 32.51 | 8.73  | 35.44   | 9.08  | 41.51   | 10.11 | 42.88 | 6.73 |
|      | 20                       | 21.05                       | 7.05 | 23.70   | 7.48  | 29.56   | 8.74  | 32.51 | 8.94  | 35.44   | 9.30  | 41.51   | 10.35 | 42.88 | 6.90 |
|      | 21                       | 21.05                       | 7.13 | 23.70   | 7.57  | 29.56   | 8.84  | 32.51 | 9.05  | 35.44   | 9.41  | 41.51   | 10.47 | 42.88 | 6.98 |
|      | 23                       | 21.05                       | 7.30 | 23.70   | 7.74  | 29.56   | 9.05  | 32.51 | 9.26  | 35.44   | 9.63  | 41.51   | 10.72 | 42.88 | 7.14 |
|      | 25                       | 21.05                       | 7.47 | 23.70   | 7.92  | 29.56   | 9.26  | 32.51 | 9.48  | 35.44   | 9.85  | 41.51   | 10.97 | 42.88 | 7.31 |
|      | 27                       | 21.05                       | 7.64 | 23.70   | 8.10  | 29.56   | 9.47  | 32.51 | 9.69  | 35.44   | 10.07 | 41.51   | 11.21 | 42.88 | 7.47 |
|      | 29                       | 21.05                       | 7.81 | 23.70   | 8.28  | 29.56   | 9.68  | 32.51 | 9.91  | 35.44   | 10.30 | 41.51   | 11.47 | 42.88 | 7.64 |
|      | 31                       | 21.05                       | 7.98 | 23.70   | 8.47  | 29.56   | 9.89  | 32.51 | 10.13 | 35.44   | 10.53 | 39.33   | 11.10 | 42.75 | 7.78 |
|      | 33                       | 21.05                       | 8.16 | 23.70   | 8.65  | 29.56   | 10.11 | 32.51 | 10.35 | 33.43   | 10.15 | 36.62   | 10.56 | 39.80 | 7.41 |
|      | 35                       | 21.05                       | 8.33 | 23.70   | 8.84  | 29.47   | 10.29 | 32.51 | 10.57 | 32.61   | 10.11 | 34.07   | 10.04 | 36.86 | 7.00 |
|      | 37                       | 21.05                       | 8.52 | 23.70   | 9.04  | 29.56   | 10.56 | 32.01 | 10.64 | 32.11   | 10.18 | 33.58   | 10.12 | 36.07 | 7.01 |
|      | 39                       | 21.05                       | 8.71 | 23.70   | 9.24  | 29.56   | 10.80 | 30.16 | 10.26 | 30.55   | 9.91  | 32.94   | 10.15 | 35.80 | 7.12 |
|      | 41                       | 21.05                       | 8.91 | 23.70   | 9.45  | 27.61   | 10.31 | 28.42 | 9.88  | 29.84   | 9.89  | 32.69   | 10.30 | 35.53 | 7.22 |
|      | 43                       | 21.05                       | 9.10 | 23.70   | 9.66  | 26.79   | 10.23 | 28.20 | 10.02 | 29.62   | 10.03 | 32.44   | 10.44 | 35.26 | 7.32 |
|      | 46                       | 21.05                       | 9.30 | 23.70   | 9.87  | 26.59   | 10.37 | 27.99 | 10.16 | 29.39   | 10.17 | 32.19   | 10.59 | 34.98 | 7.42 |
|      | 48                       | 20.75                       | 9.46 | 23.52   | 10.10 | 26.29   | 10.58 | 27.67 | 10.36 | 29.05   | 10.38 | 31.82   | 10.80 | 34.59 | 7.57 |
|      | 50                       | 20.59                       | 9.59 | 23.34   | 10.24 | 26.09   | 10.72 | 27.46 | 10.50 | 28.83   | 10.51 | 31.58   | 10.94 | 34.32 | 7.67 |
|      | 52                       | 20.44                       | 9.71 | 23.16   | 10.36 | 25.89   | 10.85 | 27.25 | 10.63 | 28.61   | 10.65 | 31.34   | 11.08 | 34.06 | 7.77 |
|      | 55                       | 20.28                       | 9.83 | 22.98   | 10.49 | 25.68   | 10.99 | 27.04 | 10.76 | 28.39   | 10.78 | 31.09   | 11.22 | 33.80 | 7.87 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...



Table2-8.2:10HP cooling capacity(continued)

| CR   | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |      |         |       |         |       |       |       |         |       |         |       |       |      |
|------|--------------------------|-----------------------------|------|---------|-------|---------|-------|-------|-------|---------|-------|---------|-------|-------|------|
|      |                          | 20.8/14                     |      | 23.3/16 |       | 25.8/18 |       | 27/19 |       | 28.2/20 |       | 30.7/22 |       | 32/24 |      |
|      |                          | TC                          | PI   | TC      | PI    | TC      | PI    | TC    | PI    | TC      | PI    | TC      | PI    | TC    | PI   |
| 110% | -15                      | 19.68                       | 4.19 | 22.42   | 4.49  | 27.61   | 5.19  | 30.35 | 5.31  | 33.09   | 5.52  | 38.67   | 6.13  | 41.61 | 4.25 |
|      | -10                      | 19.68                       | 4.55 | 22.42   | 4.89  | 27.61   | 5.64  | 30.35 | 5.77  | 33.09   | 6.00  | 38.67   | 6.66  | 41.61 | 4.62 |
|      | -5                       | 19.68                       | 4.92 | 22.42   | 5.29  | 27.61   | 6.10  | 30.35 | 6.24  | 33.09   | 6.49  | 38.67   | 7.20  | 41.61 | 5.00 |
|      | -2                       | 19.68                       | 5.15 | 22.42   | 5.53  | 27.61   | 6.38  | 30.35 | 6.52  | 33.09   | 6.78  | 38.67   | 7.53  | 41.61 | 5.23 |
|      | 0                        | 19.68                       | 5.30 | 22.42   | 5.69  | 27.61   | 6.57  | 30.35 | 6.72  | 33.09   | 6.98  | 38.67   | 7.76  | 41.61 | 5.38 |
|      | 2                        | 19.68                       | 5.46 | 22.42   | 5.85  | 27.61   | 6.75  | 30.35 | 6.91  | 33.09   | 7.18  | 38.67   | 7.98  | 41.61 | 5.54 |
|      | 4                        | 19.68                       | 5.61 | 22.42   | 6.02  | 27.61   | 6.95  | 30.35 | 7.11  | 33.09   | 7.39  | 38.67   | 8.20  | 41.61 | 5.69 |
|      | 6                        | 19.68                       | 5.76 | 22.42   | 6.19  | 27.61   | 7.14  | 30.35 | 7.30  | 33.09   | 7.59  | 38.67   | 8.43  | 41.61 | 5.85 |
|      | 8                        | 19.68                       | 5.92 | 22.42   | 6.35  | 27.61   | 7.33  | 30.35 | 7.50  | 33.09   | 7.80  | 38.67   | 8.66  | 41.61 | 6.01 |
|      | 10                       | 19.68                       | 6.08 | 22.42   | 6.52  | 27.61   | 7.52  | 30.35 | 7.70  | 33.09   | 8.00  | 38.67   | 8.89  | 41.61 | 6.17 |
|      | 12                       | 19.68                       | 6.23 | 22.42   | 6.69  | 27.61   | 7.72  | 30.35 | 7.90  | 33.09   | 8.21  | 38.67   | 9.12  | 41.61 | 6.33 |
|      | 14                       | 19.68                       | 6.39 | 22.42   | 6.86  | 27.61   | 7.92  | 30.35 | 8.10  | 33.09   | 8.42  | 38.67   | 9.35  | 41.61 | 6.49 |
|      | 16                       | 19.68                       | 6.55 | 22.42   | 7.03  | 27.61   | 8.11  | 30.35 | 8.30  | 33.09   | 8.63  | 38.67   | 9.59  | 41.61 | 6.65 |
|      | 18                       | 19.68                       | 6.71 | 22.42   | 7.21  | 27.61   | 8.31  | 30.35 | 8.50  | 33.09   | 8.84  | 38.67   | 9.82  | 41.61 | 6.82 |
|      | 20                       | 19.68                       | 6.88 | 22.42   | 7.38  | 27.61   | 8.51  | 30.35 | 8.71  | 33.09   | 9.05  | 38.67   | 10.06 | 41.61 | 6.98 |
|      | 21                       | 19.68                       | 6.96 | 22.42   | 7.47  | 27.61   | 8.61  | 30.35 | 8.81  | 33.09   | 9.16  | 38.67   | 10.18 | 41.61 | 7.06 |
|      | 23                       | 19.68                       | 7.12 | 22.42   | 7.64  | 27.61   | 8.82  | 30.35 | 9.02  | 33.09   | 9.38  | 38.67   | 10.42 | 41.61 | 7.23 |
|      | 25                       | 19.68                       | 7.28 | 22.42   | 7.82  | 27.61   | 9.02  | 30.35 | 9.23  | 33.09   | 9.59  | 38.67   | 10.66 | 41.61 | 7.40 |
|      | 27                       | 19.68                       | 7.45 | 22.42   | 8.00  | 27.61   | 9.23  | 30.35 | 9.44  | 33.09   | 9.81  | 38.67   | 10.90 | 41.61 | 7.56 |
|      | 29                       | 19.68                       | 7.62 | 22.42   | 8.18  | 27.61   | 9.43  | 30.35 | 9.65  | 33.09   | 10.03 | 38.67   | 11.14 | 41.61 | 7.73 |
|      | 31                       | 19.68                       | 7.78 | 22.42   | 8.36  | 27.61   | 9.64  | 30.35 | 9.86  | 33.09   | 10.25 | 37.54   | 11.05 | 40.80 | 7.75 |
|      | 33                       | 19.68                       | 7.95 | 22.42   | 8.54  | 27.61   | 9.85  | 30.35 | 10.08 | 32.90   | 10.42 | 34.95   | 10.52 | 37.99 | 7.37 |
|      | 35                       | 19.68                       | 8.12 | 22.42   | 8.72  | 27.51   | 10.02 | 30.25 | 10.26 | 32.01   | 10.35 | 33.38   | 10.26 | 35.18 | 6.97 |
|      | 37                       | 19.68                       | 8.31 | 22.42   | 8.92  | 27.61   | 10.29 | 30.25 | 10.49 | 31.43   | 10.40 | 32.80   | 10.31 | 34.51 | 7.00 |
|      | 39                       | 19.68                       | 8.50 | 22.42   | 9.12  | 27.51   | 10.49 | 29.86 | 10.59 | 30.25   | 10.23 | 31.51   | 10.13 | 34.25 | 7.10 |
|      | 41                       | 19.68                       | 8.69 | 22.42   | 9.33  | 27.31   | 10.64 | 27.61 | 10.01 | 28.55   | 9.87  | 31.27   | 10.28 | 33.99 | 7.21 |
|      | 43                       | 19.68                       | 8.88 | 22.42   | 9.53  | 25.63   | 10.21 | 26.98 | 10.00 | 28.33   | 10.01 | 31.03   | 10.42 | 33.73 | 7.31 |
|      | 46                       | 19.68                       | 9.07 | 22.42   | 9.74  | 25.44   | 10.35 | 26.78 | 10.14 | 28.11   | 10.15 | 30.79   | 10.57 | 33.47 | 7.41 |
|      | 48                       | 19.68                       | 9.36 | 22.42   | 10.05 | 25.15   | 10.56 | 26.47 | 10.34 | 27.80   | 10.36 | 30.44   | 10.78 | 33.09 | 7.56 |
|      | 50                       | 19.68                       | 9.56 | 22.33   | 10.21 | 24.96   | 10.70 | 26.27 | 10.48 | 27.58   | 10.49 | 30.21   | 10.92 | 32.84 | 7.66 |
|      | 52                       | 19.55                       | 9.69 | 22.16   | 10.34 | 24.76   | 10.83 | 26.07 | 10.61 | 27.37   | 10.62 | 29.98   | 11.06 | 32.59 | 7.75 |
|      | 55                       | 19.40                       | 9.81 | 21.99   | 10.47 | 24.57   | 10.97 | 25.87 | 10.74 | 27.16   | 10.76 | 29.75   | 11.20 | 32.33 | 7.85 |
| 100% | -15                      | 18.21                       | 4.05 | 20.75   | 4.35  | 25.55   | 5.02  | 28.10 | 5.14  | 30.64   | 5.34  | 35.64   | 5.90  | 40.34 | 4.31 |
|      | -10                      | 18.21                       | 4.41 | 20.75   | 4.73  | 25.55   | 5.46  | 28.10 | 5.59  | 30.64   | 5.81  | 35.64   | 6.42  | 40.34 | 4.69 |
|      | -5                       | 18.21                       | 4.77 | 20.75   | 5.12  | 25.55   | 5.90  | 28.10 | 6.04  | 30.64   | 6.28  | 35.64   | 6.94  | 40.34 | 5.07 |
|      | -2                       | 18.21                       | 4.98 | 20.75   | 5.35  | 25.55   | 6.17  | 28.10 | 6.32  | 30.64   | 6.57  | 35.64   | 7.26  | 40.34 | 5.30 |
|      | 0                        | 18.21                       | 5.13 | 20.75   | 5.51  | 25.55   | 6.35  | 28.10 | 6.50  | 30.64   | 6.76  | 35.64   | 7.48  | 40.34 | 5.46 |
|      | 2                        | 18.21                       | 5.28 | 20.75   | 5.67  | 25.55   | 6.54  | 28.10 | 6.69  | 30.64   | 6.96  | 35.64   | 7.69  | 40.34 | 5.62 |
|      | 4                        | 18.21                       | 5.43 | 20.75   | 5.83  | 25.55   | 6.72  | 28.10 | 6.88  | 30.64   | 7.15  | 35.64   | 7.91  | 40.34 | 5.77 |
|      | 6                        | 18.21                       | 5.58 | 20.75   | 5.99  | 25.55   | 6.91  | 28.10 | 7.07  | 30.64   | 7.35  | 35.64   | 8.13  | 40.34 | 5.93 |
|      | 8                        | 18.21                       | 5.73 | 20.75   | 6.15  | 25.55   | 7.09  | 28.10 | 7.26  | 30.64   | 7.55  | 35.64   | 8.35  | 40.34 | 6.09 |
|      | 10                       | 18.21                       | 5.88 | 20.75   | 6.31  | 25.55   | 7.28  | 28.10 | 7.45  | 30.64   | 7.75  | 35.64   | 8.57  | 40.34 | 6.25 |
|      | 12                       | 18.21                       | 6.03 | 20.75   | 6.48  | 25.55   | 7.47  | 28.10 | 7.65  | 30.64   | 7.95  | 35.64   | 8.79  | 40.34 | 6.42 |
|      | 14                       | 18.21                       | 6.19 | 20.75   | 6.64  | 25.55   | 7.66  | 28.10 | 7.84  | 30.64   | 8.15  | 35.64   | 9.01  | 40.34 | 6.58 |
|      | 16                       | 18.21                       | 6.34 | 20.75   | 6.81  | 25.55   | 7.85  | 28.10 | 8.04  | 30.64   | 8.36  | 35.64   | 9.24  | 40.34 | 6.74 |
|      | 18                       | 18.21                       | 6.50 | 20.75   | 6.97  | 25.55   | 8.04  | 28.10 | 8.23  | 30.64   | 8.56  | 35.64   | 9.47  | 40.34 | 6.91 |
|      | 20                       | 18.21                       | 6.65 | 20.75   | 7.14  | 25.55   | 8.24  | 28.10 | 8.43  | 30.64   | 8.77  | 35.64   | 9.69  | 40.34 | 7.08 |
|      | 21                       | 18.21                       | 6.73 | 20.75   | 7.23  | 25.55   | 8.34  | 28.10 | 8.53  | 30.64   | 8.87  | 35.64   | 9.81  | 40.34 | 7.16 |
|      | 23                       | 18.21                       | 6.89 | 20.75   | 7.40  | 25.55   | 8.53  | 28.10 | 8.73  | 30.64   | 9.08  | 35.64   | 10.04 | 40.34 | 7.33 |
|      | 25                       | 18.21                       | 7.05 | 20.75   | 7.57  | 25.55   | 8.73  | 28.10 | 8.94  | 30.64   | 9.29  | 35.64   | 10.27 | 40.34 | 7.50 |
|      | 27                       | 18.21                       | 7.21 | 20.75   | 7.74  | 25.55   | 8.93  | 28.10 | 9.14  | 30.64   | 9.50  | 35.64   | 10.50 | 40.34 | 7.67 |
|      | 29                       | 18.21                       | 7.37 | 20.75   | 7.91  | 25.55   | 9.13  | 28.10 | 9.34  | 30.64   | 9.71  | 35.64   | 10.74 | 40.34 | 7.84 |
|      | 31                       | 18.21                       | 7.53 | 20.75   | 8.09  | 25.55   | 9.33  | 28.10 | 9.55  | 30.64   | 9.93  | 35.64   | 10.98 | 40.34 | 8.01 |
|      | 33                       | 18.21                       | 7.70 | 20.75   | 8.26  | 25.55   | 9.53  | 28.10 | 9.76  | 30.64   | 10.14 | 34.78   | 10.94 | 37.80 | 7.67 |
|      | 35                       | 18.21                       | 7.86 | 20.75   | 8.44  | 25.55   | 9.73  | 28.00 | 9.93  | 30.55   | 10.33 | 32.90   | 10.57 | 35.00 | 7.26 |
|      | 37                       | 18.21                       | 8.04 | 20.75   | 8.63  | 25.55   | 9.96  | 28.00 | 10.16 | 30.55   | 10.57 | 32.40   | 10.65 | 34.74 | 7.37 |
|      | 39                       | 18.21                       | 8.22 | 20.75   | 8.83  | 25.55   | 10.18 | 28.00 | 10.39 | 29.86   | 10.56 | 31.72   | 10.66 | 34.48 | 7.48 |
|      | 41                       | 18.21                       | 8.41 | 20.75   | 9.03  | 25.55   | 10.41 | 27.37 | 10.38 | 28.74   | 10.39 | 31.48   | 10.82 | 34.21 | 7.59 |
|      | 43                       | 18.21                       | 8.59 | 20.75   | 9.22  | 25.55   | 10.64 | 27.16 | 10.53 | 28.52   | 10.54 | 31.24   | 10.97 | 33.95 | 7.69 |
|      | 46                       | 18.21                       | 8.78 | 20.75   | 9.42  | 25.55   | 10.87 | 26.95 | 10.67 | 28.30   | 10.68 | 31.00   | 11.12 | 33.69 | 7.80 |
|      | 48                       | 18.21                       | 9.06 | 20.75   | 9.72  | 25.32   | 11.11 | 26.65 | 10.89 | 27.98   | 10.90 | 30.65   | 11.35 | 33.31 | 7.96 |
|      | 50                       | 18.21                       | 9.25 | 20.75   | 9.93  | 25.12   | 11.26 | 26.44 | 11.03 | 27.77   | 11.04 | 30.41   | 11.50 | 33.06 | 8.06 |
|      | 52                       | 18.21                       | 9.44 | 20.75   | 10.13 | 24.93   | 11.40 | 26.24 | 11.17 | 27.55   | 11.18 | 30.18   | 11.64 | 32.80 | 8.16 |
|      | 55                       | 18.21                       | 9.63 | 20.75   | 10.34 | 24.74   | 11.54 | 26.04 | 11.31 | 27.34   | 11.32 | 29.94   | 11.79 | 32.55 | 8.26 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

## V8 PRO VRF 50Hz



Table2-8.2:10HP cooling capacity(continued)

| CR  | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |      |         |      |         |       |       |      |         |      |         |       |       |      |
|-----|--------------------------|-----------------------------|------|---------|------|---------|-------|-------|------|---------|------|---------|-------|-------|------|
|     |                          | 20.8/14                     |      | 23.3/16 |      | 25.8/18 |       | 27/19 |      | 28.2/20 |      | 30.7/22 |       | 32/24 |      |
|     |                          | TC                          | PI   | TC      | PI   | TC      | PI    | TC    | PI   | TC      | PI   | TC      | PI    | TC    | PI   |
| 90% | -15                      | 16.35                       | 3.52 | 18.70   | 3.79 | 23.01   | 4.37  | 25.26 | 4.46 | 27.51   | 4.63 | 32.21   | 5.16  | 36.52 | 3.77 |
|     | -10                      | 16.35                       | 3.82 | 18.70   | 4.12 | 23.01   | 4.75  | 25.26 | 4.85 | 27.51   | 5.04 | 32.21   | 5.61  | 36.52 | 4.10 |
|     | -5                       | 16.35                       | 4.13 | 18.70   | 4.46 | 23.01   | 5.14  | 25.26 | 5.25 | 27.51   | 5.45 | 32.21   | 6.06  | 36.52 | 4.43 |
|     | -2                       | 16.35                       | 4.32 | 18.70   | 4.66 | 23.01   | 5.37  | 25.26 | 5.49 | 27.51   | 5.70 | 32.21   | 6.34  | 36.52 | 4.64 |
|     | 0                        | 16.35                       | 4.45 | 18.70   | 4.80 | 23.01   | 5.53  | 25.26 | 5.65 | 27.51   | 5.87 | 32.21   | 6.53  | 36.52 | 4.77 |
|     | 2                        | 16.35                       | 4.58 | 18.70   | 4.94 | 23.01   | 5.69  | 25.26 | 5.81 | 27.51   | 6.04 | 32.21   | 6.72  | 36.52 | 4.91 |
|     | 4                        | 16.35                       | 4.71 | 18.70   | 5.07 | 23.01   | 5.85  | 25.26 | 5.98 | 27.51   | 6.21 | 32.21   | 6.91  | 36.52 | 5.05 |
|     | 6                        | 16.35                       | 4.84 | 18.70   | 5.21 | 23.01   | 6.01  | 25.26 | 6.14 | 27.51   | 6.38 | 32.21   | 7.10  | 36.52 | 5.19 |
|     | 8                        | 16.35                       | 4.97 | 18.70   | 5.35 | 23.01   | 6.17  | 25.26 | 6.31 | 27.51   | 6.55 | 32.21   | 7.29  | 36.52 | 5.33 |
|     | 10                       | 16.35                       | 5.10 | 18.70   | 5.50 | 23.01   | 6.34  | 25.26 | 6.47 | 27.51   | 6.72 | 32.21   | 7.48  | 36.52 | 5.47 |
|     | 12                       | 16.35                       | 5.23 | 18.70   | 5.64 | 23.01   | 6.50  | 25.26 | 6.64 | 27.51   | 6.90 | 32.21   | 7.68  | 36.52 | 5.61 |
|     | 14                       | 16.35                       | 5.37 | 18.70   | 5.78 | 23.01   | 6.67  | 25.26 | 6.81 | 27.51   | 7.07 | 32.21   | 7.87  | 36.52 | 5.76 |
|     | 16                       | 16.35                       | 5.50 | 18.70   | 5.93 | 23.01   | 6.83  | 25.26 | 6.98 | 27.51   | 7.25 | 32.21   | 8.07  | 36.52 | 5.90 |
|     | 18                       | 16.35                       | 5.64 | 18.70   | 6.07 | 23.01   | 7.00  | 25.26 | 7.15 | 27.51   | 7.43 | 32.21   | 8.27  | 36.52 | 6.05 |
|     | 20                       | 16.35                       | 5.77 | 18.70   | 6.22 | 23.01   | 7.17  | 25.26 | 7.33 | 27.51   | 7.61 | 32.21   | 8.47  | 36.52 | 6.19 |
|     | 21                       | 16.35                       | 5.84 | 18.70   | 6.29 | 23.01   | 7.25  | 25.26 | 7.41 | 27.51   | 7.70 | 32.21   | 8.57  | 36.52 | 6.26 |
|     | 23                       | 16.35                       | 5.98 | 18.70   | 6.44 | 23.01   | 7.43  | 25.26 | 7.59 | 27.51   | 7.88 | 32.21   | 8.77  | 36.52 | 6.41 |
|     | 25                       | 16.35                       | 6.12 | 18.70   | 6.59 | 23.01   | 7.60  | 25.26 | 7.76 | 27.51   | 8.06 | 32.21   | 8.97  | 36.52 | 6.56 |
|     | 27                       | 16.35                       | 6.26 | 18.70   | 6.74 | 23.01   | 7.77  | 25.26 | 7.94 | 27.51   | 8.24 | 32.21   | 9.17  | 36.52 | 6.71 |
|     | 29                       | 16.35                       | 6.39 | 18.70   | 6.89 | 23.01   | 7.94  | 25.26 | 8.12 | 27.51   | 8.43 | 32.21   | 9.38  | 36.52 | 6.86 |
|     | 31                       | 16.35                       | 6.54 | 18.70   | 7.04 | 23.01   | 8.12  | 25.26 | 8.29 | 27.51   | 8.61 | 32.21   | 9.59  | 36.52 | 7.01 |
|     | 33                       | 16.35                       | 6.68 | 18.70   | 7.20 | 23.01   | 8.29  | 25.26 | 8.47 | 27.51   | 8.80 | 32.21   | 9.79  | 36.52 | 7.16 |
|     | 35                       | 16.35                       | 6.82 | 18.70   | 7.35 | 23.01   | 8.47  | 25.26 | 8.66 | 27.51   | 8.99 | 32.21   | 10.00 | 35.00 | 7.01 |
|     | 37                       | 16.35                       | 6.98 | 18.70   | 7.52 | 23.01   | 8.67  | 25.26 | 8.86 | 27.51   | 9.20 | 31.03   | 9.86  | 32.90 | 6.74 |
|     | 39                       | 16.35                       | 7.14 | 18.70   | 7.69 | 23.01   | 8.86  | 25.26 | 9.06 | 27.51   | 9.40 | 30.06   | 9.77  | 31.42 | 6.58 |
|     | 41                       | 16.35                       | 7.29 | 18.70   | 7.86 | 23.01   | 9.06  | 25.26 | 9.26 | 27.21   | 9.51 | 28.68   | 9.53  | 31.18 | 6.68 |
|     | 43                       | 16.35                       | 7.45 | 18.70   | 8.03 | 23.01   | 9.26  | 24.75 | 9.27 | 25.99   | 9.28 | 28.46   | 9.66  | 30.94 | 6.77 |
|     | 46                       | 16.35                       | 7.62 | 18.70   | 8.21 | 23.01   | 9.46  | 24.56 | 9.40 | 25.79   | 9.41 | 28.25   | 9.79  | 30.70 | 6.87 |
|     | 48                       | 16.35                       | 7.86 | 18.70   | 8.47 | 23.01   | 9.76  | 24.28 | 9.59 | 25.50   | 9.60 | 27.93   | 9.99  | 30.35 | 7.01 |
|     | 50                       | 16.35                       | 8.02 | 18.70   | 8.64 | 22.89   | 9.91  | 24.10 | 9.71 | 25.30   | 9.72 | 27.71   | 10.12 | 30.12 | 7.10 |
|     | 52                       | 16.35                       | 8.19 | 18.70   | 8.82 | 22.72   | 10.04 | 23.91 | 9.84 | 25.11   | 9.85 | 27.50   | 10.25 | 29.89 | 7.19 |
|     | 55                       | 16.35                       | 8.35 | 18.70   | 9.00 | 22.54   | 10.16 | 23.73 | 9.96 | 24.91   | 9.97 | 27.29   | 10.38 | 29.66 | 7.28 |
| 80% | -15                      | 14.49                       | 3.00 | 16.64   | 3.24 | 20.75   | 3.79  | 22.62 | 3.84 | 24.47   | 3.96 | 28.59   | 4.40  | 32.51 | 3.23 |
|     | -10                      | 14.49                       | 3.26 | 16.64   | 3.52 | 20.75   | 4.12  | 22.62 | 4.18 | 24.47   | 4.31 | 28.59   | 4.78  | 32.51 | 3.51 |
|     | -5                       | 14.49                       | 3.52 | 16.64   | 3.81 | 20.75   | 4.45  | 22.62 | 4.52 | 24.47   | 4.66 | 28.59   | 5.18  | 32.51 | 3.80 |
|     | -2                       | 14.49                       | 3.68 | 16.64   | 3.99 | 20.75   | 4.66  | 22.62 | 4.73 | 24.47   | 4.87 | 28.59   | 5.41  | 32.51 | 3.97 |
|     | 0                        | 14.49                       | 3.79 | 16.64   | 4.10 | 20.75   | 4.79  | 22.62 | 4.86 | 24.47   | 5.02 | 28.59   | 5.57  | 32.51 | 4.09 |
|     | 2                        | 14.49                       | 3.90 | 16.64   | 4.22 | 20.75   | 4.93  | 22.62 | 5.00 | 24.47   | 5.16 | 28.59   | 5.73  | 32.51 | 4.20 |
|     | 4                        | 14.49                       | 4.01 | 16.64   | 4.34 | 20.75   | 5.07  | 22.62 | 5.15 | 24.47   | 5.31 | 28.59   | 5.89  | 32.51 | 4.32 |
|     | 6                        | 14.49                       | 4.12 | 16.64   | 4.46 | 20.75   | 5.21  | 22.62 | 5.29 | 24.47   | 5.45 | 28.59   | 6.06  | 32.51 | 4.44 |
|     | 8                        | 14.49                       | 4.23 | 16.64   | 4.58 | 20.75   | 5.35  | 22.62 | 5.43 | 24.47   | 5.60 | 28.59   | 6.22  | 32.51 | 4.56 |
|     | 10                       | 14.49                       | 4.35 | 16.64   | 4.70 | 20.75   | 5.49  | 22.62 | 5.57 | 24.47   | 5.75 | 28.59   | 6.39  | 32.51 | 4.68 |
|     | 12                       | 14.49                       | 4.46 | 16.64   | 4.83 | 20.75   | 5.64  | 22.62 | 5.72 | 24.47   | 5.90 | 28.59   | 6.55  | 32.51 | 4.80 |
|     | 14                       | 14.49                       | 4.57 | 16.64   | 4.95 | 20.75   | 5.78  | 22.62 | 5.86 | 24.47   | 6.05 | 28.59   | 6.72  | 32.51 | 4.93 |
|     | 16                       | 14.49                       | 4.69 | 16.64   | 5.07 | 20.75   | 5.92  | 22.62 | 6.01 | 24.47   | 6.20 | 28.59   | 6.89  | 32.51 | 5.05 |
|     | 18                       | 14.49                       | 4.80 | 16.64   | 5.20 | 20.75   | 6.07  | 22.62 | 6.16 | 24.47   | 6.35 | 28.59   | 7.05  | 32.51 | 5.17 |
|     | 20                       | 14.49                       | 4.92 | 16.64   | 5.32 | 20.75   | 6.22  | 22.62 | 6.31 | 24.47   | 6.51 | 28.59   | 7.22  | 32.51 | 5.30 |
|     | 21                       | 14.49                       | 4.98 | 16.64   | 5.38 | 20.75   | 6.29  | 22.62 | 6.38 | 24.47   | 6.58 | 28.59   | 7.31  | 32.51 | 5.36 |
|     | 23                       | 14.49                       | 5.09 | 16.64   | 5.51 | 20.75   | 6.44  | 22.62 | 6.53 | 24.47   | 6.74 | 28.59   | 7.48  | 32.51 | 5.49 |
|     | 25                       | 14.49                       | 5.21 | 16.64   | 5.64 | 20.75   | 6.59  | 22.62 | 6.68 | 24.47   | 6.89 | 28.59   | 7.66  | 32.51 | 5.61 |
|     | 27                       | 14.49                       | 5.33 | 16.64   | 5.77 | 20.75   | 6.74  | 22.62 | 6.84 | 24.47   | 7.05 | 28.59   | 7.83  | 32.51 | 5.74 |
|     | 29                       | 14.49                       | 5.45 | 16.64   | 5.90 | 20.75   | 6.89  | 22.62 | 6.99 | 24.47   | 7.21 | 28.59   | 8.00  | 32.51 | 5.87 |
|     | 31                       | 14.49                       | 5.57 | 16.64   | 6.03 | 20.75   | 7.04  | 22.62 | 7.14 | 24.47   | 7.37 | 28.59   | 8.18  | 32.51 | 6.00 |
|     | 33                       | 14.49                       | 5.69 | 16.64   | 6.16 | 20.75   | 7.19  | 22.62 | 7.30 | 24.47   | 7.53 | 28.59   | 8.36  | 32.51 | 6.13 |
|     | 35                       | 14.49                       | 5.81 | 16.64   | 6.29 | 20.75   | 7.35  | 22.62 | 7.45 | 24.47   | 7.69 | 28.59   | 8.54  | 32.51 | 6.26 |
|     | 37                       | 14.49                       | 5.95 | 16.64   | 6.43 | 20.75   | 7.51  | 22.62 | 7.62 | 24.47   | 7.86 | 28.59   | 8.73  | 32.51 | 6.41 |
|     | 39                       | 14.49                       | 6.08 | 16.64   | 6.58 | 20.75   | 7.69  | 22.62 | 7.80 | 24.47   | 8.04 | 28.49   | 8.90  | 30.80 | 6.21 |
|     | 41                       | 14.49                       | 6.22 | 16.64   | 6.72 | 20.75   | 7.86  | 22.62 | 7.97 | 24.38   | 8.19 | 27.41   | 8.75  | 28.70 | 5.91 |
|     | 43                       | 14.49                       | 6.35 | 16.64   | 6.87 | 20.75   | 8.03  | 22.42 | 8.07 | 24.38   | 8.37 | 25.61   | 8.36  | 27.84 | 5.86 |
|     | 46                       | 14.49                       | 6.49 | 16.64   | 7.02 | 20.75   | 8.20  | 22.10 | 8.13 | 23.21   | 8.14 | 25.42   | 8.47  | 27.63 | 5.94 |
|     | 48                       | 14.49                       | 6.70 | 16.64   | 7.25 | 20.75   | 8.46  | 21.85 | 8.30 | 22.94   | 8.31 | 25.13   | 8.65  | 27.31 | 6.06 |
|     | 50                       | 14.49                       | 6.84 | 16.64   | 7.40 | 20.60   | 8.58  | 21.68 | 8.40 | 22.77   | 8.41 | 24.94   | 8.76  | 27.11 | 6.14 |
|     | 52                       | 14.49                       | 6.98 | 16.64   | 7.55 | 20.44   | 8.69  | 21.52 | 8.51 | 22.59   | 8.52 | 24.75   | 8.87  | 26.90 | 6.22 |
|     | 55                       | 14.49                       | 7.12 | 16.64   | 7.70 | 20.28   | 8.79  | 21.35 | 8.62 | 22.42   | 8.63 | 24.55   | 8.98  | 26.69 | 6.30 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...



Table2-8.2:10HP cooling capacity(continued)

| CR  | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |      |         |      |         |      |       |      |         |      |         |      |       |      |
|-----|--------------------------|-----------------------------|------|---------|------|---------|------|-------|------|---------|------|---------|------|-------|------|
|     |                          | 20.8/14                     |      | 23.3/16 |      | 25.8/18 |      | 27/19 |      | 28.2/20 |      | 30.7/22 |      | 32/24 |      |
|     |                          | TC                          | PI   | TC      | PI   | TC      | PI   | TC    | PI   | TC      | PI   | TC      | PI   | TC    | PI   |
| 70% | -15                      | 12.73                       | 2.52 | 14.49   | 2.70 | 18.21   | 3.18 | 19.98 | 3.24 | 21.83   | 3.38 | 24.97   | 3.67 | 28.39 | 2.69 |
|     | -10                      | 12.73                       | 2.74 | 14.49   | 2.93 | 18.21   | 3.45 | 19.98 | 3.53 | 21.83   | 3.67 | 24.97   | 3.99 | 28.39 | 2.93 |
|     | -5                       | 12.73                       | 2.96 | 14.49   | 3.17 | 18.21   | 3.74 | 19.98 | 3.81 | 21.83   | 3.97 | 24.97   | 4.32 | 28.39 | 3.17 |
|     | -2                       | 12.73                       | 3.09 | 14.49   | 3.32 | 18.21   | 3.91 | 19.98 | 3.99 | 21.83   | 4.16 | 24.97   | 4.52 | 28.39 | 3.31 |
|     | 0                        | 12.73                       | 3.19 | 14.49   | 3.42 | 18.21   | 4.02 | 19.98 | 4.11 | 21.83   | 4.28 | 24.97   | 4.65 | 28.39 | 3.41 |
|     | 2                        | 12.73                       | 3.28 | 14.49   | 3.51 | 18.21   | 4.14 | 19.98 | 4.22 | 21.83   | 4.40 | 24.97   | 4.79 | 28.39 | 3.51 |
|     | 4                        | 12.73                       | 3.37 | 14.49   | 3.61 | 18.21   | 4.25 | 19.98 | 4.34 | 21.83   | 4.53 | 24.97   | 4.92 | 28.39 | 3.61 |
|     | 6                        | 12.73                       | 3.46 | 14.49   | 3.71 | 18.21   | 4.37 | 19.98 | 4.46 | 21.83   | 4.65 | 24.97   | 5.06 | 28.39 | 3.71 |
|     | 8                        | 12.73                       | 3.56 | 14.49   | 3.81 | 18.21   | 4.49 | 19.98 | 4.58 | 21.83   | 4.78 | 24.97   | 5.19 | 28.39 | 3.81 |
|     | 10                       | 12.73                       | 3.65 | 14.49   | 3.91 | 18.21   | 4.61 | 19.98 | 4.71 | 21.83   | 4.90 | 24.97   | 5.33 | 28.39 | 3.91 |
|     | 12                       | 12.73                       | 3.74 | 14.49   | 4.02 | 18.21   | 4.73 | 19.98 | 4.83 | 21.83   | 5.03 | 24.97   | 5.47 | 28.39 | 4.01 |
|     | 14                       | 12.73                       | 3.84 | 14.49   | 4.12 | 18.21   | 4.85 | 19.98 | 4.95 | 21.83   | 5.16 | 24.97   | 5.61 | 28.39 | 4.11 |
|     | 16                       | 12.73                       | 3.94 | 14.49   | 4.22 | 18.21   | 4.97 | 19.98 | 5.07 | 21.83   | 5.29 | 24.97   | 5.75 | 28.39 | 4.22 |
|     | 18                       | 12.73                       | 4.03 | 14.49   | 4.32 | 18.21   | 5.09 | 19.98 | 5.20 | 21.83   | 5.42 | 24.97   | 5.89 | 28.39 | 4.32 |
|     | 20                       | 12.73                       | 4.13 | 14.49   | 4.43 | 18.21   | 5.21 | 19.98 | 5.32 | 21.83   | 5.55 | 24.97   | 6.03 | 28.39 | 4.42 |
|     | 21                       | 12.73                       | 4.18 | 14.49   | 4.48 | 18.21   | 5.28 | 19.98 | 5.39 | 21.83   | 5.61 | 24.97   | 6.10 | 28.39 | 4.48 |
|     | 23                       | 12.73                       | 4.28 | 14.49   | 4.59 | 18.21   | 5.40 | 19.98 | 5.51 | 21.83   | 5.75 | 24.97   | 6.25 | 28.39 | 4.58 |
|     | 25                       | 12.73                       | 4.38 | 14.49   | 4.69 | 18.21   | 5.53 | 19.98 | 5.64 | 21.83   | 5.88 | 24.97   | 6.39 | 28.39 | 4.69 |
|     | 27                       | 12.73                       | 4.48 | 14.49   | 4.80 | 18.21   | 5.65 | 19.98 | 5.77 | 21.83   | 6.01 | 24.97   | 6.54 | 28.39 | 4.79 |
|     | 29                       | 12.73                       | 4.58 | 14.49   | 4.91 | 18.21   | 5.78 | 19.98 | 5.90 | 21.83   | 6.15 | 24.97   | 6.68 | 28.39 | 4.90 |
|     | 31                       | 12.73                       | 4.68 | 14.49   | 5.01 | 18.21   | 5.90 | 19.98 | 6.03 | 21.83   | 6.28 | 24.97   | 6.83 | 28.39 | 5.01 |
|     | 33                       | 12.73                       | 4.78 | 14.49   | 5.12 | 18.21   | 6.03 | 19.98 | 6.16 | 21.83   | 6.42 | 24.97   | 6.98 | 28.39 | 5.12 |
|     | 35                       | 12.73                       | 4.88 | 14.49   | 5.23 | 18.21   | 6.16 | 19.98 | 6.29 | 21.83   | 6.55 | 24.97   | 7.13 | 28.39 | 5.23 |
|     | 37                       | 12.73                       | 4.99 | 14.49   | 5.35 | 18.21   | 6.30 | 19.98 | 6.44 | 21.83   | 6.71 | 24.97   | 7.29 | 28.39 | 5.35 |
|     | 39                       | 12.73                       | 5.11 | 14.49   | 5.47 | 18.21   | 6.45 | 19.98 | 6.58 | 21.83   | 6.86 | 24.97   | 7.46 | 28.39 | 5.47 |
|     | 41                       | 12.73                       | 5.22 | 14.49   | 5.60 | 18.21   | 6.59 | 19.98 | 6.73 | 21.83   | 7.01 | 24.97   | 7.62 | 28.39 | 5.59 |
|     | 43                       | 12.73                       | 5.33 | 14.49   | 5.72 | 18.21   | 6.73 | 19.98 | 6.88 | 21.83   | 7.16 | 24.57   | 7.66 | 26.60 | 5.35 |
|     | 46                       | 12.73                       | 5.45 | 14.49   | 5.84 | 18.21   | 6.88 | 19.68 | 6.92 | 21.34   | 7.15 | 22.54   | 7.18 | 24.50 | 5.04 |
|     | 48                       | 12.73                       | 5.62 | 14.49   | 6.03 | 18.21   | 7.10 | 19.35 | 7.02 | 20.32   | 7.03 | 22.26   | 7.32 | 24.19 | 5.13 |
|     | 50                       | 12.73                       | 5.74 | 14.49   | 6.16 | 18.21   | 7.25 | 19.21 | 7.11 | 20.17   | 7.12 | 22.09   | 7.41 | 24.01 | 5.20 |
|     | 52                       | 12.73                       | 5.86 | 14.49   | 6.28 | 18.10   | 7.35 | 19.06 | 7.20 | 20.01   | 7.21 | 21.92   | 7.51 | 23.82 | 5.26 |
|     | 55                       | 12.73                       | 5.98 | 14.49   | 6.41 | 17.96   | 7.44 | 18.91 | 7.29 | 19.86   | 7.30 | 21.75   | 7.60 | 23.64 | 5.33 |
| 60% | -15                      | 10.87                       | 2.04 | 12.44   | 2.20 | 15.56   | 2.58 | 17.13 | 2.64 | 18.70   | 2.75 | 21.83   | 3.05 | 24.38 | 2.20 |
|     | -10                      | 10.87                       | 2.22 | 12.44   | 2.39 | 15.56   | 2.80 | 17.13 | 2.87 | 18.70   | 2.99 | 21.83   | 3.31 | 24.38 | 2.39 |
|     | -5                       | 10.87                       | 2.40 | 12.44   | 2.58 | 15.56   | 3.03 | 17.13 | 3.10 | 18.70   | 3.23 | 21.83   | 3.58 | 24.38 | 2.58 |
|     | -2                       | 10.87                       | 2.51 | 12.44   | 2.70 | 15.56   | 3.17 | 17.13 | 3.25 | 18.70   | 3.38 | 21.83   | 3.75 | 24.38 | 2.70 |
|     | 0                        | 10.87                       | 2.58 | 12.44   | 2.78 | 15.56   | 3.26 | 17.13 | 3.34 | 18.70   | 3.48 | 21.83   | 3.86 | 24.38 | 2.78 |
|     | 2                        | 10.87                       | 2.65 | 12.44   | 2.86 | 15.56   | 3.35 | 17.13 | 3.44 | 18.70   | 3.58 | 21.83   | 3.97 | 24.38 | 2.86 |
|     | 4                        | 10.87                       | 2.73 | 12.44   | 2.94 | 15.56   | 3.45 | 17.13 | 3.53 | 18.70   | 3.68 | 21.83   | 4.08 | 24.38 | 2.94 |
|     | 6                        | 10.87                       | 2.81 | 12.44   | 3.02 | 15.56   | 3.54 | 17.13 | 3.63 | 18.70   | 3.78 | 21.83   | 4.19 | 24.38 | 3.02 |
|     | 8                        | 10.87                       | 2.88 | 12.44   | 3.11 | 15.56   | 3.64 | 17.13 | 3.73 | 18.70   | 3.88 | 21.83   | 4.31 | 24.38 | 3.10 |
|     | 10                       | 10.87                       | 2.96 | 12.44   | 3.19 | 15.56   | 3.74 | 17.13 | 3.83 | 18.70   | 3.98 | 21.83   | 4.42 | 24.38 | 3.18 |
|     | 12                       | 10.87                       | 2.07 | 12.44   | 2.23 | 15.56   | 2.61 | 17.13 | 2.68 | 18.70   | 2.78 | 21.83   | 3.09 | 24.38 | 3.27 |
|     | 14                       | 10.87                       | 2.12 | 12.44   | 2.28 | 15.56   | 2.68 | 17.13 | 2.74 | 18.70   | 2.86 | 21.83   | 3.17 | 24.38 | 3.35 |
|     | 16                       | 10.87                       | 2.17 | 12.44   | 2.34 | 15.56   | 2.74 | 17.13 | 2.81 | 18.70   | 2.93 | 21.83   | 3.25 | 24.38 | 3.43 |
|     | 18                       | 10.87                       | 2.23 | 12.44   | 2.40 | 15.56   | 2.81 | 17.13 | 2.88 | 18.70   | 3.00 | 21.83   | 3.33 | 24.38 | 3.52 |
|     | 20                       | 10.87                       | 2.28 | 12.44   | 2.46 | 15.56   | 2.88 | 17.13 | 2.95 | 18.70   | 3.07 | 21.83   | 3.41 | 24.38 | 3.60 |
|     | 21                       | 10.87                       | 2.31 | 12.44   | 2.49 | 15.56   | 2.91 | 17.13 | 2.99 | 18.70   | 3.11 | 21.83   | 3.45 | 24.38 | 3.65 |
|     | 23                       | 10.87                       | 2.36 | 12.44   | 2.55 | 15.56   | 2.98 | 17.13 | 3.06 | 18.70   | 3.18 | 21.83   | 3.53 | 24.38 | 3.73 |
|     | 25                       | 10.87                       | 2.41 | 12.44   | 2.60 | 15.56   | 3.05 | 17.13 | 3.13 | 18.70   | 3.25 | 21.83   | 3.61 | 24.38 | 3.82 |
|     | 27                       | 10.87                       | 2.47 | 12.44   | 2.66 | 15.56   | 3.12 | 17.13 | 3.20 | 18.70   | 3.33 | 21.83   | 3.69 | 24.38 | 3.91 |
|     | 29                       | 10.87                       | 2.53 | 12.44   | 2.72 | 15.56   | 3.19 | 17.13 | 3.27 | 18.70   | 3.40 | 21.83   | 3.78 | 24.38 | 3.99 |
|     | 31                       | 10.87                       | 2.58 | 12.44   | 2.78 | 15.56   | 3.26 | 17.13 | 3.34 | 18.70   | 3.48 | 21.83   | 3.86 | 24.38 | 4.08 |
|     | 33                       | 10.87                       | 2.64 | 12.44   | 2.84 | 15.56   | 3.33 | 17.13 | 3.41 | 18.70   | 3.55 | 21.83   | 3.94 | 24.38 | 4.17 |
|     | 35                       | 10.87                       | 2.69 | 12.44   | 2.90 | 15.56   | 3.40 | 17.13 | 3.49 | 18.70   | 3.63 | 21.83   | 4.03 | 24.38 | 4.26 |
|     | 37                       | 10.87                       | 2.76 | 12.44   | 2.97 | 15.56   | 3.48 | 17.13 | 3.57 | 18.70   | 3.71 | 21.83   | 4.12 | 24.38 | 4.36 |
|     | 39                       | 10.87                       | 2.82 | 12.44   | 3.04 | 15.56   | 3.56 | 17.13 | 3.65 | 18.70   | 3.80 | 21.83   | 4.21 | 24.38 | 4.45 |
|     | 41                       | 10.87                       | 2.88 | 12.44   | 3.11 | 15.56   | 3.64 | 17.13 | 3.73 | 18.70   | 3.88 | 21.83   | 4.31 | 24.38 | 4.55 |
|     | 43                       | 10.87                       | 2.94 | 12.44   | 3.17 | 15.56   | 3.72 | 17.13 | 3.81 | 18.70   | 3.97 | 21.83   | 4.40 | 24.38 | 4.65 |
|     | 46                       | 10.87                       | 3.01 | 12.44   | 3.24 | 15.56   | 3.80 | 17.13 | 3.89 | 18.70   | 4.05 | 21.83   | 4.50 | 24.38 | 4.75 |
|     | 48                       | 10.87                       | 3.10 | 12.44   | 3.35 | 15.56   | 3.92 | 17.13 | 4.02 | 17.93   | 4.01 | 19.64   | 4.17 | 21.35 | 4.30 |
|     | 50                       | 10.87                       | 3.17 | 12.44   | 3.42 | 15.56   | 4.00 | 16.66 | 3.99 | 17.49   | 3.99 | 19.16   | 4.16 | 20.82 | 4.28 |
|     | 52                       | 10.87                       | 3.23 | 12.44   | 3.49 | 15.56   | 4.08 | 16.53 | 4.04 | 17.36   | 4.04 | 19.01   | 4.21 | 20.66 | 4.33 |
|     | 55                       | 10.87                       | 3.30 | 12.44   | 3.56 | 15.56   | 4.17 | 16.40 | 4.09 | 17.22   | 4.09 | 18.86   | 4.26 | 20.50 | 4.39 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

# V8 PRO VRF 50Hz



Table2-8.2:10HP cooling capacity(continued)

| CR  | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |      |         |      |         |      |       |      |         |      |         |      |       |      |
|-----|--------------------------|-----------------------------|------|---------|------|---------|------|-------|------|---------|------|---------|------|-------|------|
|     |                          | 20.8/14                     |      | 23.3/16 |      | 25.8/18 |      | 27/19 |      | 28.2/20 |      | 30.7/22 |      | 32/24 |      |
|     |                          | TC                          | PI   | TC      | PI   | TC      | PI   | TC    | PI   | TC      | PI   | TC      | PI   | TC    | PI   |
| 50% | -15                      | 9.10                        | 1.09 | 10.38   | 1.17 | 13.02   | 1.38 | 14.29 | 1.41 | 15.56   | 1.46 | 18.21   | 1.63 | 20.75 | 1.76 |
|     | -10                      | 9.10                        | 1.19 | 10.38   | 1.28 | 13.02   | 1.50 | 14.29 | 1.53 | 15.56   | 1.59 | 18.21   | 1.77 | 20.75 | 1.91 |
|     | -5                       | 9.10                        | 1.29 | 10.38   | 1.38 | 13.02   | 1.62 | 14.29 | 1.66 | 15.56   | 1.72 | 18.21   | 1.91 | 20.75 | 2.07 |
|     | -2                       | 9.10                        | 1.34 | 10.38   | 1.44 | 13.02   | 1.70 | 14.29 | 1.73 | 15.56   | 1.80 | 18.21   | 2.00 | 20.75 | 2.16 |
|     | 0                        | 9.10                        | 1.38 | 10.38   | 1.49 | 13.02   | 1.75 | 14.29 | 1.79 | 15.56   | 1.85 | 18.21   | 2.06 | 20.75 | 2.22 |
|     | 2                        | 9.10                        | 1.42 | 10.38   | 1.53 | 13.02   | 1.80 | 14.29 | 1.84 | 15.56   | 1.91 | 18.21   | 2.12 | 20.75 | 2.29 |
|     | 4                        | 9.10                        | 1.46 | 10.38   | 1.57 | 13.02   | 1.85 | 14.29 | 1.89 | 15.56   | 1.96 | 18.21   | 2.18 | 20.75 | 2.35 |
|     | 6                        | 9.10                        | 1.50 | 10.38   | 1.62 | 13.02   | 1.90 | 14.29 | 1.94 | 15.56   | 2.01 | 18.21   | 2.24 | 20.75 | 2.42 |
|     | 8                        | 9.10                        | 1.54 | 10.38   | 1.66 | 13.02   | 1.95 | 14.29 | 1.99 | 15.56   | 2.07 | 18.21   | 2.30 | 20.75 | 2.48 |
|     | 10                       | 9.10                        | 1.59 | 10.38   | 1.70 | 13.02   | 2.00 | 14.29 | 2.05 | 15.56   | 2.12 | 18.21   | 2.36 | 20.75 | 2.55 |
|     | 12                       | 9.10                        | 1.63 | 10.38   | 1.75 | 13.02   | 2.05 | 14.29 | 2.10 | 15.56   | 2.18 | 18.21   | 2.42 | 20.75 | 2.62 |
|     | 14                       | 9.10                        | 1.67 | 10.38   | 1.79 | 13.02   | 2.11 | 14.29 | 2.15 | 15.56   | 2.23 | 18.21   | 2.49 | 20.75 | 2.68 |
|     | 16                       | 9.10                        | 1.71 | 10.38   | 1.84 | 13.02   | 2.16 | 14.29 | 2.21 | 15.56   | 2.29 | 18.21   | 2.55 | 20.75 | 2.75 |
|     | 18                       | 9.10                        | 1.75 | 10.38   | 1.88 | 13.02   | 2.21 | 14.29 | 2.26 | 15.56   | 2.35 | 18.21   | 2.61 | 20.75 | 2.82 |
|     | 20                       | 9.10                        | 1.79 | 10.38   | 1.93 | 13.02   | 2.27 | 14.29 | 2.31 | 15.56   | 2.40 | 18.21   | 2.67 | 20.75 | 2.88 |
|     | 21                       | 9.10                        | 1.82 | 10.38   | 1.95 | 13.02   | 2.29 | 14.29 | 2.34 | 15.56   | 2.43 | 18.21   | 2.70 | 20.75 | 2.92 |
|     | 23                       | 9.10                        | 1.86 | 10.38   | 2.00 | 13.02   | 2.35 | 14.29 | 2.40 | 15.56   | 2.49 | 18.21   | 2.77 | 20.75 | 2.99 |
|     | 25                       | 9.10                        | 1.90 | 10.38   | 2.04 | 13.02   | 2.40 | 14.29 | 2.45 | 15.56   | 2.55 | 18.21   | 2.83 | 20.75 | 3.06 |
|     | 27                       | 9.10                        | 1.94 | 10.38   | 2.09 | 13.02   | 2.46 | 14.29 | 2.51 | 15.56   | 2.60 | 18.21   | 2.90 | 20.75 | 3.13 |
|     | 29                       | 9.10                        | 1.99 | 10.38   | 2.14 | 13.02   | 2.51 | 14.29 | 2.56 | 15.56   | 2.66 | 18.21   | 2.96 | 20.75 | 3.20 |
|     | 31                       | 9.10                        | 2.03 | 10.38   | 2.18 | 13.02   | 2.57 | 14.29 | 2.62 | 15.56   | 2.72 | 18.21   | 3.03 | 20.75 | 3.27 |
|     | 33                       | 9.10                        | 2.08 | 10.38   | 2.23 | 13.02   | 2.62 | 14.29 | 2.68 | 15.56   | 2.78 | 18.21   | 3.09 | 20.75 | 3.34 |
|     | 35                       | 9.10                        | 2.12 | 10.38   | 2.28 | 13.02   | 2.68 | 14.29 | 2.74 | 15.56   | 2.84 | 18.21   | 3.16 | 20.75 | 3.41 |
|     | 37                       | 9.10                        | 2.17 | 10.38   | 2.33 | 13.02   | 2.74 | 14.29 | 2.80 | 15.56   | 2.91 | 18.21   | 3.23 | 20.75 | 3.49 |
|     | 39                       | 9.10                        | 2.22 | 10.38   | 2.38 | 13.02   | 2.80 | 14.29 | 2.86 | 15.56   | 2.97 | 18.21   | 3.30 | 20.75 | 3.57 |
|     | 41                       | 9.10                        | 2.27 | 10.38   | 2.44 | 13.02   | 2.86 | 14.29 | 2.93 | 15.56   | 3.04 | 18.21   | 3.38 | 20.75 | 3.65 |
|     | 43                       | 9.10                        | 2.32 | 10.38   | 2.49 | 13.02   | 2.93 | 14.29 | 2.99 | 15.56   | 3.10 | 18.21   | 3.45 | 20.75 | 3.73 |
|     | 46                       | 9.10                        | 2.37 | 10.38   | 2.54 | 13.02   | 2.99 | 14.29 | 3.05 | 15.56   | 3.17 | 18.21   | 3.53 | 20.75 | 3.81 |
|     | 48                       | 9.10                        | 2.44 | 10.38   | 2.63 | 13.02   | 3.09 | 14.29 | 3.15 | 15.56   | 3.27 | 18.21   | 3.64 | 20.75 | 3.93 |
|     | 50                       | 9.10                        | 2.49 | 10.38   | 2.68 | 13.02   | 3.15 | 14.29 | 3.22 | 15.56   | 3.34 | 17.71   | 3.61 | 19.25 | 3.72 |
|     | 52                       | 9.10                        | 2.55 | 10.38   | 2.74 | 13.02   | 3.21 | 13.94 | 3.20 | 14.64   | 3.21 | 16.03   | 3.34 | 17.43 | 3.44 |
|     | 55                       | 9.10                        | 2.60 | 10.38   | 2.79 | 13.02   | 3.28 | 13.83 | 3.24 | 14.52   | 3.25 | 15.91   | 3.38 | 17.29 | 3.48 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table2-8.3:12HP cooling capacity

| CR   | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |       |         |       |         |       |       |       |         |       |         |       |       |      |
|------|--------------------------|-----------------------------|-------|---------|-------|---------|-------|-------|-------|---------|-------|---------|-------|-------|------|
|      |                          | 20.8/14                     |       | 23.3/16 |       | 25.8/18 |       | 27/19 |       | 28.2/20 |       | 30.7/22 |       | 32/24 |      |
|      |                          | TC                          | PI    | TC      | PI    | TC      | PI    | TC    | PI    | TC      | PI    | TC      | PI    | TC    | PI   |
| 130% | -15                      | 26.82                       | 6.28  | 30.69   | 6.78  | 37.73   | 7.80  | 41.46 | 7.98  | 45.57   | 8.36  | 51.78   | 9.03  | 52.71 | 5.32 |
|      | -10                      | 26.82                       | 6.81  | 30.69   | 7.34  | 37.73   | 8.45  | 41.46 | 8.64  | 45.57   | 9.06  | 51.78   | 9.78  | 52.71 | 5.76 |
|      | -5                       | 26.82                       | 7.34  | 30.69   | 7.91  | 37.73   | 9.11  | 41.46 | 9.32  | 45.57   | 9.77  | 51.78   | 10.55 | 52.71 | 6.21 |
|      | -2                       | 26.82                       | 7.66  | 30.69   | 8.26  | 37.73   | 9.51  | 41.46 | 9.73  | 45.57   | 10.20 | 51.78   | 11.01 | 52.71 | 6.48 |
|      | 0                        | 26.82                       | 7.88  | 30.69   | 8.49  | 37.73   | 9.78  | 41.46 | 10.00 | 45.57   | 10.48 | 51.78   | 11.32 | 52.71 | 6.67 |
|      | 2                        | 26.82                       | 8.10  | 30.69   | 8.73  | 37.73   | 10.05 | 41.46 | 10.28 | 45.57   | 10.77 | 51.78   | 11.64 | 52.71 | 6.85 |
|      | 4                        | 26.82                       | 8.32  | 30.69   | 8.96  | 37.73   | 10.33 | 41.46 | 10.56 | 45.57   | 11.07 | 51.78   | 11.95 | 52.71 | 7.04 |
|      | 6                        | 26.82                       | 8.54  | 30.69   | 9.20  | 37.73   | 10.60 | 41.46 | 10.84 | 45.57   | 11.36 | 51.78   | 12.27 | 52.71 | 7.22 |
|      | 8                        | 26.82                       | 8.76  | 30.69   | 9.44  | 37.73   | 10.88 | 41.46 | 11.12 | 45.57   | 11.66 | 51.78   | 12.59 | 52.71 | 7.41 |
|      | 10                       | 26.82                       | 8.98  | 30.69   | 9.68  | 37.73   | 11.15 | 41.46 | 11.41 | 45.57   | 11.96 | 51.78   | 12.91 | 52.71 | 7.60 |
|      | 12                       | 26.82                       | 9.21  | 30.69   | 9.93  | 37.73   | 11.43 | 41.46 | 11.69 | 45.57   | 12.26 | 51.78   | 13.24 | 52.71 | 7.79 |
|      | 14                       | 26.82                       | 9.44  | 30.69   | 10.17 | 37.73   | 11.72 | 41.46 | 11.98 | 45.57   | 12.56 | 51.78   | 13.56 | 52.71 | 7.99 |
|      | 16                       | 26.82                       | 9.66  | 30.69   | 10.42 | 37.73   | 12.00 | 41.46 | 12.27 | 45.57   | 12.86 | 51.78   | 13.89 | 52.71 | 8.18 |
|      | 18                       | 26.82                       | 9.89  | 30.69   | 10.67 | 37.73   | 12.29 | 41.46 | 12.56 | 45.57   | 13.17 | 51.78   | 14.22 | 52.71 | 8.37 |
|      | 20                       | 26.82                       | 10.13 | 30.69   | 10.92 | 37.73   | 12.57 | 41.46 | 12.86 | 45.57   | 13.48 | 51.78   | 14.55 | 52.71 | 8.57 |
|      | 21                       | 26.82                       | 10.24 | 30.69   | 11.04 | 37.73   | 12.72 | 41.46 | 13.01 | 45.57   | 13.63 | 51.78   | 14.72 | 52.71 | 8.67 |
|      | 23                       | 26.82                       | 10.48 | 30.69   | 11.29 | 37.73   | 13.01 | 41.46 | 13.30 | 45.57   | 13.94 | 51.78   | 15.06 | 52.71 | 8.87 |
|      | 25                       | 26.82                       | 10.71 | 30.69   | 11.55 | 37.73   | 13.30 | 41.46 | 13.60 | 45.57   | 14.25 | 51.78   | 15.39 | 52.71 | 9.06 |
|      | 27                       | 26.82                       | 10.95 | 30.69   | 11.80 | 37.73   | 13.59 | 41.46 | 13.90 | 45.57   | 14.57 | 51.78   | 15.73 | 52.71 | 9.27 |
|      | 29                       | 26.82                       | 11.19 | 30.69   | 12.06 | 37.73   | 13.89 | 41.46 | 14.20 | 45.57   | 14.89 | 51.69   | 16.05 | 52.71 | 9.47 |
|      | 31                       | 26.82                       | 11.43 | 30.69   | 12.32 | 37.73   | 14.19 | 41.46 | 14.51 | 44.15   | 14.73 | 48.35   | 15.34 | 52.56 | 9.64 |
|      | 33                       | 26.82                       | 11.67 | 30.69   | 12.58 | 37.60   | 14.44 | 39.60 | 14.15 | 41.12   | 14.01 | 45.02   | 14.58 | 48.93 | 9.17 |
|      | 35                       | 26.82                       | 11.91 | 30.69   | 12.84 | 37.60   | 14.74 | 39.01 | 14.23 | 40.41   | 14.06 | 41.68   | 13.78 | 45.31 | 8.66 |
|      | 37                       | 26.82                       | 12.20 | 30.69   | 13.15 | 37.60   | 15.09 | 38.30 | 14.31 | 39.71   | 14.15 | 40.85   | 13.83 | 44.40 | 8.70 |
|      | 39                       | 26.36                       | 12.27 | 30.11   | 13.21 | 36.08   | 14.83 | 36.32 | 13.89 | 37.25   | 13.58 | 40.40   | 14.00 | 43.91 | 8.80 |
|      | 41                       | 26.36                       | 12.56 | 30.11   | 13.52 | 33.16   | 13.95 | 34.73 | 13.59 | 36.47   | 13.61 | 39.94   | 14.17 | 43.42 | 8.91 |
|      | 43                       | 26.36                       | 12.85 | 29.41   | 13.50 | 32.62   | 14.03 | 34.34 | 13.75 | 36.05   | 13.76 | 39.49   | 14.33 | 42.92 | 9.01 |
|      | 46                       | 25.89                       | 12.90 | 28.85   | 13.55 | 32.24   | 14.18 | 33.94 | 13.90 | 35.64   | 13.91 | 39.03   | 14.48 | 42.43 | 9.11 |
|      | 48                       | 24.51                       | 12.62 | 27.78   | 13.48 | 31.05   | 14.11 | 32.68 | 13.83 | 34.31   | 13.84 | 37.58   | 14.41 | 40.85 | 9.06 |
|      | 50                       | 23.88                       | 12.57 | 27.06   | 13.42 | 30.25   | 14.05 | 31.84 | 13.76 | 33.43   | 13.78 | 36.61   | 14.34 | 39.80 | 9.02 |
|      | 52                       | 23.25                       | 12.50 | 26.35   | 13.34 | 29.45   | 13.97 | 31.00 | 13.69 | 32.55   | 13.70 | 35.65   | 14.26 | 38.75 | 8.97 |
|      | 55                       | 22.62                       | 12.41 | 25.63   | 13.25 | 28.65   | 13.88 | 30.16 | 13.60 | 31.66   | 13.61 | 34.68   | 14.17 | 37.69 | 8.91 |
| 120% | -15                      | 25.19                       | 6.09  | 28.82   | 6.56  | 35.61   | 7.60  | 38.89 | 7.72  | 42.53   | 8.05  | 49.67   | 8.94  | 51.31 | 5.34 |
|      | -10                      | 25.19                       | 6.60  | 28.82   | 7.11  | 35.61   | 8.23  | 38.89 | 8.37  | 42.53   | 8.72  | 49.67   | 9.68  | 51.31 | 5.79 |
|      | -5                       | 25.19                       | 7.11  | 28.82   | 7.66  | 35.61   | 8.87  | 38.89 | 9.02  | 42.53   | 9.40  | 49.67   | 10.44 | 51.31 | 6.24 |
|      | -2                       | 25.19                       | 7.42  | 28.82   | 8.00  | 35.61   | 9.26  | 38.89 | 9.41  | 42.53   | 9.82  | 49.67   | 10.90 | 51.31 | 6.51 |
|      | 0                        | 25.19                       | 7.63  | 28.82   | 8.23  | 35.61   | 9.52  | 38.89 | 9.68  | 42.53   | 10.09 | 49.67   | 11.21 | 51.31 | 6.70 |
|      | 2                        | 25.19                       | 7.84  | 28.82   | 8.46  | 35.61   | 9.79  | 38.89 | 9.95  | 42.53   | 10.37 | 49.67   | 11.52 | 51.31 | 6.88 |
|      | 4                        | 25.19                       | 8.06  | 28.82   | 8.69  | 35.61   | 10.05 | 38.89 | 10.22 | 42.53   | 10.66 | 49.67   | 11.83 | 51.31 | 7.07 |
|      | 6                        | 25.19                       | 8.27  | 28.82   | 8.92  | 35.61   | 10.32 | 38.89 | 10.49 | 42.53   | 10.94 | 49.67   | 12.14 | 51.31 | 7.26 |
|      | 8                        | 25.19                       | 8.49  | 28.82   | 9.15  | 35.61   | 10.59 | 38.89 | 10.76 | 42.53   | 11.22 | 49.67   | 12.46 | 51.31 | 7.44 |
|      | 10                       | 25.19                       | 8.70  | 28.82   | 9.38  | 35.61   | 10.86 | 38.89 | 11.04 | 42.53   | 11.51 | 49.67   | 12.78 | 51.31 | 7.64 |
|      | 12                       | 25.19                       | 8.92  | 28.82   | 9.62  | 35.61   | 11.13 | 38.89 | 11.32 | 42.53   | 11.80 | 49.67   | 13.10 | 51.31 | 7.83 |
|      | 14                       | 25.19                       | 9.14  | 28.82   | 9.86  | 35.61   | 11.41 | 38.89 | 11.60 | 42.53   | 12.09 | 49.67   | 13.42 | 51.31 | 8.02 |
|      | 16                       | 25.19                       | 9.36  | 28.82   | 10.09 | 35.61   | 11.68 | 38.89 | 11.88 | 42.53   | 12.38 | 49.67   | 13.75 | 51.31 | 8.21 |
|      | 18                       | 25.19                       | 9.59  | 28.82   | 10.33 | 35.61   | 11.96 | 38.89 | 12.16 | 42.53   | 12.68 | 49.67   | 14.07 | 51.31 | 8.41 |
|      | 20                       | 25.19                       | 9.81  | 28.82   | 10.58 | 35.61   | 12.24 | 38.89 | 12.44 | 42.53   | 12.98 | 49.67   | 14.40 | 51.31 | 8.61 |
|      | 21                       | 25.19                       | 9.92  | 28.82   | 10.70 | 35.61   | 12.38 | 38.89 | 12.59 | 42.53   | 13.12 | 49.67   | 14.57 | 51.31 | 8.70 |
|      | 23                       | 25.19                       | 10.15 | 28.82   | 10.94 | 35.61   | 12.67 | 38.89 | 12.87 | 42.53   | 13.42 | 49.67   | 14.90 | 51.31 | 8.90 |
|      | 25                       | 25.19                       | 10.38 | 28.82   | 11.19 | 35.61   | 12.95 | 38.89 | 13.16 | 42.53   | 13.73 | 49.67   | 15.24 | 51.31 | 9.10 |
|      | 27                       | 25.19                       | 10.61 | 28.82   | 11.43 | 35.61   | 13.24 | 38.89 | 13.45 | 42.53   | 14.03 | 49.67   | 15.57 | 51.31 | 9.30 |
|      | 29                       | 25.19                       | 10.84 | 28.82   | 11.68 | 35.61   | 13.52 | 38.89 | 13.75 | 42.53   | 14.33 | 49.67   | 15.91 | 51.31 | 9.51 |
|      | 31                       | 25.19                       | 11.07 | 28.82   | 11.93 | 35.61   | 13.81 | 38.89 | 14.04 | 42.53   | 14.64 | 47.06   | 15.40 | 51.15 | 9.68 |
|      | 33                       | 25.19                       | 11.30 | 28.82   | 12.19 | 35.61   | 14.11 | 38.89 | 14.34 | 40.00   | 14.06 | 43.81   | 14.64 | 47.62 | 9.20 |
|      | 35                       | 25.19                       | 11.54 | 28.82   | 12.44 | 35.26   | 14.26 | 38.89 | 14.64 | 39.01   | 14.00 | 40.77   | 13.91 | 44.09 | 8.70 |
|      | 37                       | 25.19                       | 11.82 | 28.82   | 12.74 | 35.37   | 14.65 | 38.30 | 14.76 | 38.42   | 14.12 | 40.18   | 14.04 | 43.00 | 8.69 |
|      | 39                       | 25.19                       | 12.10 | 28.82   | 13.04 | 35.37   | 15.00 | 36.08 | 14.24 | 36.55   | 13.75 | 39.12   | 13.99 | 42.52 | 8.80 |
|      | 41                       | 25.19                       | 12.38 | 28.82   | 13.35 | 33.03   | 14.33 | 33.64 | 13.58 | 35.32   | 13.60 | 38.68   | 14.16 | 42.05 | 8.90 |
|      | 43                       | 25.19                       | 12.67 | 28.27   | 13.39 | 31.59   | 14.02 | 33.25 | 13.74 | 34.92   | 13.75 | 38.24   | 14.32 | 41.57 | 9.00 |
|      | 46                       | 24.71                       | 12.71 | 27.94   | 13.54 | 31.23   | 14.17 | 32.87 | 13.88 | 34.51   | 13.90 | 37.80   | 14.47 | 41.09 | 9.10 |
|      | 48                       | 23.74                       | 12.61 | 26.90   | 13.47 | 30.07   | 14.10 | 31.65 | 13.81 | 33.23   | 13.83 | 36.40   | 14.40 | 39.56 | 9.05 |
|      | 50                       | 23.13                       | 12.56 | 26.21   | 13.41 | 29.29   | 14.04 | 30.83 | 13.75 | 32.38   | 13.77 | 35.46   | 14.33 | 38.54 | 9.01 |
|      | 52                       | 22.51                       | 12.48 | 25.52   | 13.33 | 28.52   | 13.96 | 30.02 | 13.67 | 31.52   | 13.69 | 34.52   | 14.25 | 37.52 | 8.96 |
|      | 55                       | 21.90                       | 12.40 | 24.82   | 13.24 | 27.74   | 13.87 | 29.20 | 13.58 | 30.66   | 13.60 | 33.58   | 14.16 | 36.50 | 8.90 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

## V8 PRO VRF 50Hz



Table2-8.3:12HP cooling capacity(continued)

| CR   | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |       |         |       |         |       |       |       |         |       |         |       |       |      |
|------|--------------------------|-----------------------------|-------|---------|-------|---------|-------|-------|-------|---------|-------|---------|-------|-------|------|
|      |                          | 20.8/14                     |       | 23.3/16 |       | 25.8/18 |       | 27/19 |       | 28.2/20 |       | 30.7/22 |       | 32/24 |      |
|      |                          | TC                          | PI    | TC      | PI    | TC      | PI    | TC    | PI    | TC      | PI    | TC      | PI    | TC    | PI   |
| 110% | -15                      | 23.55                       | 5.89  | 26.82   | 6.32  | 33.62   | 7.42  | 36.32 | 7.46  | 39.60   | 7.75  | 46.27   | 8.61  | 49.78 | 5.36 |
|      | -10                      | 23.55                       | 6.38  | 26.82   | 6.84  | 33.62   | 8.03  | 36.32 | 8.08  | 39.60   | 8.40  | 46.27   | 9.33  | 49.78 | 5.80 |
|      | -5                       | 23.55                       | 6.87  | 26.82   | 7.37  | 33.62   | 8.66  | 36.32 | 8.71  | 39.60   | 9.05  | 46.27   | 10.05 | 49.78 | 6.26 |
|      | -2                       | 23.55                       | 7.18  | 26.82   | 7.70  | 33.62   | 9.04  | 36.32 | 9.09  | 39.60   | 9.45  | 46.27   | 10.50 | 49.78 | 6.53 |
|      | 0                        | 23.55                       | 7.38  | 26.82   | 7.92  | 33.62   | 9.30  | 36.32 | 9.35  | 39.60   | 9.72  | 46.27   | 10.79 | 49.78 | 6.72 |
|      | 2                        | 23.55                       | 7.58  | 26.82   | 8.14  | 33.62   | 9.55  | 36.32 | 9.61  | 39.60   | 9.99  | 46.27   | 11.09 | 49.78 | 6.90 |
|      | 4                        | 23.55                       | 7.79  | 26.82   | 8.36  | 33.62   | 9.81  | 36.32 | 9.87  | 39.60   | 10.26 | 46.27   | 11.39 | 49.78 | 7.09 |
|      | 6                        | 23.55                       | 8.00  | 26.82   | 8.58  | 33.62   | 10.08 | 36.32 | 10.13 | 39.60   | 10.53 | 46.27   | 11.70 | 49.78 | 7.28 |
|      | 8                        | 23.55                       | 8.20  | 26.82   | 8.80  | 33.62   | 10.34 | 36.32 | 10.39 | 39.60   | 10.81 | 46.27   | 12.00 | 49.78 | 7.47 |
|      | 10                       | 23.55                       | 8.41  | 26.82   | 9.03  | 33.62   | 10.60 | 36.32 | 10.66 | 39.60   | 11.08 | 46.27   | 12.31 | 49.78 | 7.66 |
|      | 12                       | 23.55                       | 8.63  | 26.82   | 9.25  | 33.62   | 10.87 | 36.32 | 10.93 | 39.60   | 11.36 | 46.27   | 12.62 | 49.78 | 7.85 |
|      | 14                       | 23.55                       | 8.84  | 26.82   | 9.48  | 33.62   | 11.14 | 36.32 | 11.20 | 39.60   | 11.64 | 46.27   | 12.93 | 49.78 | 8.04 |
|      | 16                       | 23.55                       | 9.05  | 26.82   | 9.71  | 33.62   | 11.41 | 36.32 | 11.47 | 39.60   | 11.92 | 46.27   | 13.24 | 49.78 | 8.24 |
|      | 18                       | 23.55                       | 9.27  | 26.82   | 9.94  | 33.62   | 11.68 | 36.32 | 11.74 | 39.60   | 12.21 | 46.27   | 13.56 | 49.78 | 8.44 |
|      | 20                       | 23.55                       | 9.48  | 26.82   | 10.18 | 33.62   | 11.95 | 36.32 | 12.02 | 39.60   | 12.49 | 46.27   | 13.87 | 49.78 | 8.63 |
|      | 21                       | 23.55                       | 9.59  | 26.82   | 10.29 | 33.62   | 12.09 | 36.32 | 12.15 | 39.60   | 12.64 | 46.27   | 14.03 | 49.78 | 8.73 |
|      | 23                       | 23.55                       | 9.81  | 26.82   | 10.53 | 33.62   | 12.36 | 36.32 | 12.43 | 39.60   | 12.92 | 46.27   | 14.35 | 49.78 | 8.93 |
|      | 25                       | 23.55                       | 10.03 | 26.82   | 10.76 | 33.62   | 12.64 | 36.32 | 12.71 | 39.60   | 13.21 | 46.27   | 14.67 | 49.78 | 9.13 |
|      | 27                       | 23.55                       | 10.25 | 26.82   | 11.00 | 33.62   | 12.92 | 36.32 | 12.99 | 39.60   | 13.51 | 46.27   | 15.00 | 49.78 | 9.33 |
|      | 29                       | 23.55                       | 10.48 | 26.82   | 11.24 | 33.62   | 13.20 | 36.32 | 13.27 | 39.60   | 13.80 | 46.27   | 15.32 | 49.78 | 9.54 |
|      | 31                       | 23.55                       | 10.70 | 26.82   | 11.48 | 33.62   | 13.48 | 36.32 | 13.56 | 39.60   | 14.10 | 44.91   | 15.19 | 48.82 | 9.55 |
|      | 33                       | 23.55                       | 10.93 | 26.82   | 11.72 | 33.62   | 13.77 | 36.32 | 13.84 | 39.36   | 14.31 | 41.82   | 14.44 | 45.45 | 9.08 |
|      | 35                       | 23.55                       | 11.16 | 26.82   | 11.97 | 32.92   | 13.76 | 36.20 | 14.09 | 38.30   | 14.21 | 39.94   | 14.08 | 42.08 | 8.58 |
|      | 37                       | 23.55                       | 11.42 | 26.82   | 12.26 | 33.03   | 14.14 | 36.20 | 14.43 | 37.60   | 14.29 | 39.25   | 14.18 | 41.14 | 8.59 |
|      | 39                       | 23.55                       | 11.70 | 26.82   | 12.55 | 32.92   | 14.43 | 35.73 | 14.58 | 36.20   | 14.08 | 37.43   | 13.84 | 40.68 | 8.70 |
|      | 41                       | 23.55                       | 11.97 | 26.82   | 12.84 | 32.68   | 14.66 | 33.03 | 13.79 | 33.79   | 13.45 | 37.01   | 14.00 | 40.23 | 8.80 |
|      | 43                       | 23.55                       | 12.24 | 26.82   | 13.14 | 30.22   | 13.87 | 31.81 | 13.59 | 33.40   | 13.60 | 36.59   | 14.16 | 39.77 | 8.90 |
|      | 46                       | 23.55                       | 12.52 | 26.73   | 13.39 | 29.88   | 14.02 | 31.45 | 13.73 | 33.02   | 13.75 | 36.16   | 14.31 | 39.31 | 9.00 |
|      | 48                       | 22.71                       | 12.48 | 25.74   | 13.32 | 28.76   | 13.95 | 30.28 | 13.67 | 31.79   | 13.68 | 34.82   | 14.24 | 37.85 | 8.95 |
|      | 50                       | 22.12                       | 12.42 | 25.07   | 13.26 | 28.02   | 13.88 | 29.50 | 13.60 | 30.97   | 13.62 | 33.92   | 14.18 | 36.87 | 8.91 |
|      | 52                       | 21.54                       | 12.35 | 24.41   | 13.19 | 27.28   | 13.81 | 28.72 | 13.53 | 30.16   | 13.54 | 33.03   | 14.10 | 35.90 | 8.86 |
|      | 55                       | 20.95                       | 12.27 | 23.75   | 13.10 | 26.54   | 13.72 | 27.94 | 13.44 | 29.34   | 13.45 | 32.13   | 14.00 | 34.92 | 8.81 |
| 100% | -15                      | 21.79                       | 5.64  | 24.84   | 6.06  | 31.05   | 7.10  | 34.21 | 7.28  | 36.66   | 7.44  | 42.64   | 8.22  | 48.39 | 5.40 |
|      | -10                      | 21.79                       | 6.11  | 24.84   | 6.57  | 31.05   | 7.69  | 34.21 | 7.88  | 36.66   | 8.06  | 42.64   | 8.91  | 48.39 | 5.85 |
|      | -5                       | 21.79                       | 6.59  | 24.84   | 7.08  | 31.05   | 8.29  | 34.21 | 8.50  | 36.66   | 8.68  | 42.64   | 9.60  | 48.39 | 6.30 |
|      | -2                       | 21.79                       | 6.88  | 24.84   | 7.39  | 31.05   | 8.65  | 34.21 | 8.87  | 36.66   | 9.07  | 42.64   | 10.02 | 48.39 | 6.58 |
|      | 0                        | 21.79                       | 7.07  | 24.84   | 7.60  | 31.05   | 8.90  | 34.21 | 9.12  | 36.66   | 9.32  | 42.64   | 10.31 | 48.39 | 6.77 |
|      | 2                        | 21.79                       | 7.27  | 24.84   | 7.81  | 31.05   | 9.14  | 34.21 | 9.38  | 36.66   | 9.58  | 42.64   | 10.59 | 48.39 | 6.95 |
|      | 4                        | 21.79                       | 7.47  | 24.84   | 8.02  | 31.05   | 9.39  | 34.21 | 9.63  | 36.66   | 9.84  | 42.64   | 10.88 | 48.39 | 7.14 |
|      | 6                        | 21.79                       | 7.67  | 24.84   | 8.23  | 31.05   | 9.64  | 34.21 | 9.89  | 36.66   | 10.10 | 42.64   | 11.17 | 48.39 | 7.33 |
|      | 8                        | 21.79                       | 7.87  | 24.84   | 8.45  | 31.05   | 9.89  | 34.21 | 10.15 | 36.66   | 10.37 | 42.64   | 11.46 | 48.39 | 7.52 |
|      | 10                       | 21.79                       | 8.07  | 24.84   | 8.66  | 31.05   | 10.15 | 34.21 | 10.40 | 36.66   | 10.63 | 42.64   | 11.75 | 48.39 | 7.72 |
|      | 12                       | 21.79                       | 8.27  | 24.84   | 8.88  | 31.05   | 10.40 | 34.21 | 10.67 | 36.66   | 10.90 | 42.64   | 12.05 | 48.39 | 7.91 |
|      | 14                       | 21.79                       | 8.47  | 24.84   | 9.10  | 31.05   | 10.66 | 34.21 | 10.93 | 36.66   | 11.17 | 42.64   | 12.35 | 48.39 | 8.10 |
|      | 16                       | 21.79                       | 8.68  | 24.84   | 9.32  | 31.05   | 10.92 | 34.21 | 11.19 | 36.66   | 11.44 | 42.64   | 12.64 | 48.39 | 8.30 |
|      | 18                       | 21.79                       | 8.89  | 24.84   | 9.54  | 31.05   | 11.18 | 34.21 | 11.46 | 36.66   | 11.71 | 42.64   | 12.94 | 48.39 | 8.50 |
|      | 20                       | 21.79                       | 9.09  | 24.84   | 9.77  | 31.05   | 11.44 | 34.21 | 11.73 | 36.66   | 11.98 | 42.64   | 13.25 | 48.39 | 8.70 |
|      | 21                       | 21.79                       | 9.20  | 24.84   | 9.88  | 31.05   | 11.57 | 34.21 | 11.86 | 36.66   | 12.12 | 42.64   | 13.40 | 48.39 | 8.80 |
|      | 23                       | 21.79                       | 9.41  | 24.84   | 10.10 | 31.05   | 11.83 | 34.21 | 12.13 | 36.66   | 12.40 | 42.64   | 13.71 | 48.39 | 9.00 |
|      | 25                       | 21.79                       | 9.62  | 24.84   | 10.33 | 31.05   | 12.10 | 34.21 | 12.41 | 36.66   | 12.68 | 42.64   | 14.01 | 48.39 | 9.20 |
|      | 27                       | 21.79                       | 9.83  | 24.84   | 10.56 | 31.05   | 12.37 | 34.21 | 12.68 | 36.66   | 12.96 | 42.64   | 14.32 | 48.39 | 9.40 |
|      | 29                       | 21.79                       | 10.05 | 24.84   | 10.79 | 31.05   | 12.63 | 34.21 | 12.96 | 36.66   | 13.24 | 42.64   | 14.63 | 48.39 | 9.61 |
|      | 31                       | 21.79                       | 10.26 | 24.84   | 11.02 | 31.05   | 12.91 | 34.21 | 13.23 | 36.66   | 13.52 | 42.64   | 14.95 | 48.39 | 9.81 |
|      | 33                       | 21.79                       | 10.48 | 24.84   | 11.25 | 31.05   | 13.18 | 34.21 | 13.51 | 36.66   | 13.81 | 41.61   | 14.89 | 45.23 | 9.36 |
|      | 35                       | 21.79                       | 10.70 | 24.84   | 11.49 | 31.05   | 13.45 | 33.50 | 13.51 | 36.55   | 14.05 | 39.36   | 14.38 | 41.88 | 8.85 |
|      | 37                       | 21.79                       | 10.95 | 24.84   | 11.77 | 31.05   | 13.78 | 33.50 | 13.83 | 36.55   | 14.39 | 38.78   | 14.51 | 41.41 | 8.97 |
|      | 39                       | 21.79                       | 11.21 | 24.84   | 12.04 | 31.05   | 14.10 | 33.50 | 14.16 | 35.73   | 14.40 | 37.68   | 14.44 | 40.95 | 9.08 |
|      | 41                       | 21.79                       | 11.48 | 24.84   | 12.33 | 31.05   | 14.43 | 32.68 | 14.14 | 34.01   | 14.03 | 37.25   | 14.61 | 40.49 | 9.18 |
|      | 43                       | 21.79                       | 11.74 | 24.84   | 12.61 | 30.42   | 14.47 | 32.02 | 14.17 | 33.63   | 14.19 | 36.83   | 14.77 | 40.03 | 9.29 |
|      | 46                       | 21.79                       | 12.00 | 24.84   | 12.89 | 30.07   | 14.62 | 31.66 | 14.33 | 33.24   | 14.34 | 36.40   | 14.93 | 39.57 | 9.39 |
|      | 48                       | 21.79                       | 12.41 | 24.84   | 13.32 | 28.95   | 14.55 | 30.48 | 14.25 | 32.00   | 14.27 | 35.05   | 14.86 | 38.10 | 9.34 |
|      | 50                       | 21.79                       | 12.68 | 24.84   | 13.61 | 28.21   | 14.48 | 29.69 | 14.19 | 31.18   | 14.21 | 34.15   | 14.79 | 37.12 | 9.30 |
|      | 52                       | 21.68                       | 12.88 | 24.57   | 13.76 | 27.46   | 14.40 | 28.91 | 14.11 | 30.35   | 14.13 | 33.25   | 14.71 | 36.14 | 9.25 |
|      | 55                       | 21.09                       | 12.80 | 23.91   | 13.66 | 26.72   | 14.31 | 28.12 | 14.02 | 29.53   | 14.03 | 32.34   | 14.61 | 35.16 | 9.18 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.3:12HP cooling capacity(continued)

| CR  | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |       |         |       |         |       |       |       |         |       |         |       |       |      |
|-----|--------------------------|-----------------------------|-------|---------|-------|---------|-------|-------|-------|---------|-------|---------|-------|-------|------|
|     |                          | 20.8/14                     |       | 23.3/16 |       | 25.8/18 |       | 27/19 |       | 28.2/20 |       | 30.7/22 |       | 32/24 |      |
|     |                          | TC                          | PI    | TC      | PI    | TC      | PI    | TC    | PI    | TC      | PI    | TC      | PI    | TC    | PI   |
| 90% | -15                      | 19.57                       | 4.91  | 22.37   | 5.29  | 28.00   | 6.20  | 30.69 | 6.32  | 33.50   | 6.58  | 38.54   | 7.20  | 43.69 | 4.72 |
|     | -10                      | 19.57                       | 5.32  | 22.37   | 5.72  | 28.00   | 6.71  | 30.69 | 6.85  | 33.50   | 7.13  | 38.54   | 7.79  | 43.69 | 5.11 |
|     | -5                       | 19.57                       | 5.73  | 22.37   | 6.17  | 28.00   | 7.24  | 30.69 | 7.38  | 33.50   | 7.68  | 38.54   | 8.40  | 43.69 | 5.51 |
|     | -2                       | 19.57                       | 5.98  | 22.37   | 6.44  | 28.00   | 7.55  | 30.69 | 7.71  | 33.50   | 8.02  | 38.54   | 8.77  | 43.69 | 5.75 |
|     | 0                        | 19.57                       | 6.15  | 22.37   | 6.62  | 28.00   | 7.77  | 30.69 | 7.92  | 33.50   | 8.25  | 38.54   | 9.02  | 43.69 | 5.91 |
|     | 2                        | 19.57                       | 6.32  | 22.37   | 6.81  | 28.00   | 7.98  | 30.69 | 8.14  | 33.50   | 8.48  | 38.54   | 9.27  | 43.69 | 6.08 |
|     | 4                        | 19.57                       | 6.49  | 22.37   | 6.99  | 28.00   | 8.20  | 30.69 | 8.36  | 33.50   | 8.71  | 38.54   | 9.52  | 43.69 | 6.24 |
|     | 6                        | 19.57                       | 6.67  | 22.37   | 7.18  | 28.00   | 8.42  | 30.69 | 8.59  | 33.50   | 8.94  | 38.54   | 9.77  | 43.69 | 6.41 |
|     | 8                        | 19.57                       | 6.84  | 22.37   | 7.37  | 28.00   | 8.64  | 30.69 | 8.81  | 33.50   | 9.17  | 38.54   | 10.03 | 43.69 | 6.58 |
|     | 10                       | 19.57                       | 7.01  | 22.37   | 7.55  | 28.00   | 8.86  | 30.69 | 9.04  | 33.50   | 9.41  | 38.54   | 10.28 | 43.69 | 6.74 |
|     | 12                       | 19.57                       | 7.19  | 22.37   | 7.74  | 28.00   | 9.08  | 30.69 | 9.26  | 33.50   | 9.64  | 38.54   | 10.54 | 43.69 | 6.91 |
|     | 14                       | 19.57                       | 7.37  | 22.37   | 7.93  | 28.00   | 9.30  | 30.69 | 9.49  | 33.50   | 9.88  | 38.54   | 10.80 | 43.69 | 7.08 |
|     | 16                       | 19.57                       | 7.55  | 22.37   | 8.13  | 28.00   | 9.53  | 30.69 | 9.72  | 33.50   | 10.12 | 38.54   | 11.06 | 43.69 | 7.25 |
|     | 18                       | 19.57                       | 7.73  | 22.37   | 8.32  | 28.00   | 9.76  | 30.69 | 9.95  | 33.50   | 10.36 | 38.54   | 11.33 | 43.69 | 7.43 |
|     | 20                       | 19.57                       | 7.91  | 22.37   | 8.51  | 28.00   | 9.98  | 30.69 | 10.19 | 33.50   | 10.60 | 38.54   | 11.59 | 43.69 | 7.60 |
|     | 21                       | 19.57                       | 8.00  | 22.37   | 8.61  | 28.00   | 10.10 | 30.69 | 10.30 | 33.50   | 10.72 | 38.54   | 11.72 | 43.69 | 7.69 |
|     | 23                       | 19.57                       | 8.18  | 22.37   | 8.81  | 28.00   | 10.33 | 30.69 | 10.54 | 33.50   | 10.97 | 38.54   | 11.99 | 43.69 | 7.86 |
|     | 25                       | 19.57                       | 8.36  | 22.37   | 9.01  | 28.00   | 10.56 | 30.69 | 10.77 | 33.50   | 11.21 | 38.54   | 12.26 | 43.69 | 8.04 |
|     | 27                       | 19.57                       | 8.55  | 22.37   | 9.21  | 28.00   | 10.79 | 30.69 | 11.01 | 33.50   | 11.46 | 38.54   | 12.53 | 43.69 | 8.22 |
|     | 29                       | 19.57                       | 8.73  | 22.37   | 9.41  | 28.00   | 11.03 | 30.69 | 11.25 | 33.50   | 11.71 | 38.54   | 12.81 | 43.69 | 8.40 |
|     | 31                       | 19.57                       | 8.92  | 22.37   | 9.61  | 28.00   | 11.27 | 30.69 | 11.49 | 33.50   | 11.96 | 38.54   | 13.08 | 43.69 | 8.58 |
|     | 33                       | 19.57                       | 9.11  | 22.37   | 9.81  | 28.00   | 11.50 | 30.69 | 11.74 | 33.50   | 12.21 | 38.54   | 13.36 | 43.69 | 8.76 |
|     | 35                       | 19.57                       | 9.30  | 22.37   | 10.01 | 28.00   | 11.74 | 30.69 | 11.98 | 33.50   | 12.47 | 38.54   | 13.63 | 41.88 | 8.57 |
|     | 37                       | 19.57                       | 9.52  | 22.37   | 10.26 | 28.00   | 12.03 | 30.69 | 12.27 | 33.50   | 12.77 | 37.14   | 13.46 | 39.36 | 8.25 |
|     | 39                       | 19.57                       | 9.75  | 22.37   | 10.50 | 28.00   | 12.31 | 30.23 | 12.37 | 32.92   | 12.85 | 35.96   | 13.34 | 37.32 | 8.01 |
|     | 41                       | 19.57                       | 9.98  | 22.37   | 10.75 | 28.00   | 12.60 | 30.23 | 12.66 | 32.57   | 13.01 | 33.95   | 12.89 | 36.90 | 8.10 |
|     | 43                       | 19.57                       | 10.21 | 22.37   | 10.99 | 28.00   | 12.89 | 29.52 | 12.65 | 30.64   | 12.52 | 33.56   | 13.03 | 36.48 | 8.19 |
|     | 46                       | 19.57                       | 10.44 | 22.37   | 11.24 | 27.40   | 12.90 | 28.85 | 12.64 | 30.29   | 12.65 | 33.17   | 13.17 | 36.06 | 8.28 |
|     | 48                       | 19.57                       | 10.79 | 22.37   | 11.62 | 26.38   | 12.84 | 27.77 | 12.57 | 29.16   | 12.59 | 31.94   | 13.11 | 34.72 | 8.24 |
|     | 50                       | 19.57                       | 11.02 | 22.37   | 11.87 | 25.71   | 12.78 | 27.06 | 12.52 | 28.41   | 12.53 | 31.12   | 13.05 | 33.82 | 8.20 |
|     | 52                       | 19.57                       | 11.26 | 22.37   | 12.12 | 25.03   | 12.71 | 26.34 | 12.45 | 27.66   | 12.46 | 30.30   | 12.97 | 32.93 | 8.16 |
|     | 55                       | 19.22                       | 11.29 | 21.78   | 12.05 | 24.35   | 12.62 | 25.63 | 12.37 | 26.91   | 12.38 | 29.47   | 12.89 | 32.04 | 8.10 |
| 80% | -15                      | 17.34                       | 4.19  | 19.91   | 4.53  | 24.84   | 5.30  | 27.30 | 5.42  | 29.75   | 5.63  | 34.55   | 6.22  | 39.01 | 4.06 |
|     | -10                      | 17.34                       | 4.54  | 19.91   | 4.91  | 24.84   | 5.74  | 27.30 | 5.87  | 29.75   | 6.10  | 34.55   | 6.73  | 39.01 | 4.40 |
|     | -5                       | 17.34                       | 4.89  | 19.91   | 5.29  | 24.84   | 6.19  | 27.30 | 6.33  | 29.75   | 6.57  | 34.55   | 7.26  | 39.01 | 4.74 |
|     | -2                       | 17.34                       | 5.11  | 19.91   | 5.52  | 24.84   | 6.46  | 27.30 | 6.60  | 29.75   | 6.86  | 34.55   | 7.58  | 39.01 | 4.95 |
|     | 0                        | 17.34                       | 5.25  | 19.91   | 5.68  | 24.84   | 6.64  | 27.30 | 6.79  | 29.75   | 7.06  | 34.55   | 7.79  | 39.01 | 5.09 |
|     | 2                        | 17.34                       | 5.40  | 19.91   | 5.84  | 24.84   | 6.82  | 27.30 | 6.98  | 29.75   | 7.25  | 34.55   | 8.01  | 39.01 | 5.23 |
|     | 4                        | 17.34                       | 5.54  | 19.91   | 6.00  | 24.84   | 7.01  | 27.30 | 7.17  | 29.75   | 7.45  | 34.55   | 8.22  | 39.01 | 5.37 |
|     | 6                        | 17.34                       | 5.69  | 19.91   | 6.16  | 24.84   | 7.20  | 27.30 | 7.36  | 29.75   | 7.65  | 34.55   | 8.44  | 39.01 | 5.51 |
|     | 8                        | 17.34                       | 5.84  | 19.91   | 6.32  | 24.84   | 7.38  | 27.30 | 7.55  | 29.75   | 7.85  | 34.55   | 8.66  | 39.01 | 5.66 |
|     | 10                       | 17.34                       | 5.99  | 19.91   | 6.48  | 24.84   | 7.57  | 27.30 | 7.75  | 29.75   | 8.05  | 34.55   | 8.88  | 39.01 | 5.80 |
|     | 12                       | 17.34                       | 6.14  | 19.91   | 6.64  | 24.84   | 7.76  | 27.30 | 7.94  | 29.75   | 8.25  | 34.55   | 9.11  | 39.01 | 5.95 |
|     | 14                       | 17.34                       | 6.29  | 19.91   | 6.80  | 24.84   | 7.95  | 27.30 | 8.14  | 29.75   | 8.45  | 34.55   | 9.33  | 39.01 | 6.09 |
|     | 16                       | 17.34                       | 6.44  | 19.91   | 6.97  | 24.84   | 8.15  | 27.30 | 8.33  | 29.75   | 8.66  | 34.55   | 9.56  | 39.01 | 6.24 |
|     | 18                       | 17.34                       | 6.60  | 19.91   | 7.14  | 24.84   | 8.34  | 27.30 | 8.53  | 29.75   | 8.86  | 34.55   | 9.78  | 39.01 | 6.39 |
|     | 20                       | 17.34                       | 6.75  | 19.91   | 7.30  | 24.84   | 8.53  | 27.30 | 8.73  | 29.75   | 9.07  | 34.55   | 10.01 | 39.01 | 6.54 |
|     | 21                       | 17.34                       | 6.83  | 19.91   | 7.39  | 24.84   | 8.63  | 27.30 | 8.83  | 29.75   | 9.18  | 34.55   | 10.13 | 39.01 | 6.61 |
|     | 23                       | 17.34                       | 6.98  | 19.91   | 7.55  | 24.84   | 8.83  | 27.30 | 9.03  | 29.75   | 9.38  | 34.55   | 10.36 | 39.01 | 6.77 |
|     | 25                       | 17.34                       | 7.14  | 19.91   | 7.72  | 24.84   | 9.03  | 27.30 | 9.23  | 29.75   | 9.60  | 34.55   | 10.59 | 39.01 | 6.92 |
|     | 27                       | 17.34                       | 7.30  | 19.91   | 7.89  | 24.84   | 9.23  | 27.30 | 9.44  | 29.75   | 9.81  | 34.55   | 10.83 | 39.01 | 7.07 |
|     | 29                       | 17.34                       | 7.46  | 19.91   | 8.07  | 24.84   | 9.43  | 27.30 | 9.64  | 29.75   | 10.02 | 34.55   | 11.06 | 39.01 | 7.22 |
|     | 31                       | 17.34                       | 7.62  | 19.91   | 8.24  | 24.84   | 9.63  | 27.30 | 9.85  | 29.75   | 10.24 | 34.55   | 11.30 | 39.01 | 7.38 |
|     | 33                       | 17.34                       | 7.78  | 19.91   | 8.41  | 24.84   | 9.83  | 27.30 | 10.06 | 29.75   | 10.45 | 34.55   | 11.54 | 39.01 | 7.53 |
|     | 35                       | 17.34                       | 7.94  | 19.91   | 8.59  | 24.84   | 10.04 | 27.30 | 10.27 | 29.75   | 10.67 | 34.55   | 11.78 | 39.01 | 7.69 |
|     | 37                       | 17.34                       | 8.13  | 19.91   | 8.80  | 24.84   | 10.28 | 27.30 | 10.52 | 29.75   | 10.93 | 34.55   | 12.06 | 39.01 | 7.88 |
|     | 39                       | 17.34                       | 8.32  | 19.91   | 9.01  | 24.84   | 10.53 | 27.30 | 10.77 | 29.75   | 11.19 | 34.09   | 12.18 | 36.85 | 7.62 |
|     | 41                       | 17.34                       | 8.52  | 19.91   | 9.22  | 24.84   | 10.77 | 27.30 | 11.02 | 29.17   | 11.23 | 32.80   | 12.00 | 34.34 | 7.26 |
|     | 43                       | 17.34                       | 8.71  | 19.91   | 9.43  | 24.84   | 11.02 | 26.82 | 11.07 | 29.17   | 11.48 | 30.20   | 11.30 | 32.83 | 7.10 |
|     | 46                       | 17.34                       | 8.91  | 19.91   | 9.64  | 24.84   | 11.27 | 26.00 | 10.98 | 27.26   | 10.97 | 29.85   | 11.42 | 32.45 | 7.18 |
|     | 48                       | 17.34                       | 9.21  | 19.91   | 9.96  | 23.74   | 11.13 | 24.99 | 10.90 | 26.24   | 10.92 | 28.74   | 11.36 | 31.24 | 7.14 |
|     | 50                       | 17.34                       | 9.41  | 19.91   | 10.18 | 23.13   | 11.08 | 24.35 | 10.85 | 25.57   | 10.87 | 28.00   | 11.31 | 30.44 | 7.11 |
|     | 52                       | 17.34                       | 9.61  | 19.91   | 10.40 | 22.52   | 11.02 | 23.71 | 10.79 | 24.89   | 10.81 | 27.26   | 11.25 | 29.63 | 7.07 |
|     | 55                       | 17.30                       | 9.79  | 19.60   | 10.45 | 21.91   | 10.94 | 23.06 | 10.72 | 24.22   | 10.73 | 26.52   | 11.17 | 28.83 | 7.03 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

# V8 PRO VRF 50Hz



Table2-8.3:12HP cooling capacity(continued)

| CR  | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |      |         |      |         |      |       |      |         |      |         |       |       |      |
|-----|--------------------------|-----------------------------|------|---------|------|---------|------|-------|------|---------|------|---------|-------|-------|------|
|     |                          | 20.8/14                     |      | 23.3/16 |      | 25.8/18 |      | 27/19 |      | 28.2/20 |      | 30.7/22 |       | 32/24 |      |
|     |                          | TC                          | PI   | TC      | PI   | TC      | PI   | TC    | PI   | TC      | PI   | TC      | PI    | TC    | PI   |
| 70% | -15                      | 15.23                       | 3.53 | 17.34   | 3.78 | 21.79   | 4.45 | 23.89 | 4.54 | 26.12   | 4.74 | 30.46   | 5.25  | 33.98 | 3.39 |
|     | -10                      | 15.23                       | 3.82 | 17.34   | 4.10 | 21.79   | 4.82 | 23.89 | 4.92 | 26.12   | 5.13 | 30.46   | 5.69  | 33.98 | 3.67 |
|     | -5                       | 15.23                       | 4.12 | 17.34   | 4.42 | 21.79   | 5.20 | 23.89 | 5.31 | 26.12   | 5.53 | 30.46   | 6.13  | 33.98 | 3.96 |
|     | -2                       | 15.23                       | 4.30 | 17.34   | 4.61 | 21.79   | 5.43 | 23.89 | 5.54 | 26.12   | 5.77 | 30.46   | 6.40  | 33.98 | 4.13 |
|     | 0                        | 15.23                       | 4.42 | 17.34   | 4.74 | 21.79   | 5.58 | 23.89 | 5.70 | 26.12   | 5.94 | 30.46   | 6.58  | 33.98 | 4.25 |
|     | 2                        | 15.23                       | 4.54 | 17.34   | 4.87 | 21.79   | 5.74 | 23.89 | 5.85 | 26.12   | 6.10 | 30.46   | 6.76  | 33.98 | 4.36 |
|     | 4                        | 15.23                       | 4.67 | 17.34   | 5.00 | 21.79   | 5.89 | 23.89 | 6.01 | 26.12   | 6.27 | 30.46   | 6.95  | 33.98 | 4.48 |
|     | 6                        | 15.23                       | 4.79 | 17.34   | 5.14 | 21.79   | 6.05 | 23.89 | 6.17 | 26.12   | 6.43 | 30.46   | 7.13  | 33.98 | 4.60 |
|     | 8                        | 15.23                       | 4.91 | 17.34   | 5.27 | 21.79   | 6.21 | 23.89 | 6.33 | 26.12   | 6.60 | 30.46   | 7.32  | 33.98 | 4.72 |
|     | 10                       | 15.23                       | 5.04 | 17.34   | 5.41 | 21.79   | 6.36 | 23.89 | 6.49 | 26.12   | 6.77 | 30.46   | 7.50  | 33.98 | 4.84 |
|     | 12                       | 15.23                       | 5.17 | 17.34   | 5.54 | 21.79   | 6.52 | 23.89 | 6.66 | 26.12   | 6.94 | 30.46   | 7.69  | 33.98 | 4.96 |
|     | 14                       | 15.23                       | 5.29 | 17.34   | 5.68 | 21.79   | 6.69 | 23.89 | 6.82 | 26.12   | 7.11 | 30.46   | 7.88  | 33.98 | 5.09 |
|     | 16                       | 15.23                       | 5.42 | 17.34   | 5.82 | 21.79   | 6.85 | 23.89 | 6.99 | 26.12   | 7.28 | 30.46   | 8.07  | 33.98 | 5.21 |
|     | 18                       | 15.23                       | 5.55 | 17.34   | 5.95 | 21.79   | 7.01 | 23.89 | 7.15 | 26.12   | 7.46 | 30.46   | 8.27  | 33.98 | 5.33 |
|     | 20                       | 15.23                       | 5.68 | 17.34   | 6.09 | 21.79   | 7.17 | 23.89 | 7.32 | 26.12   | 7.63 | 30.46   | 8.46  | 33.98 | 5.46 |
|     | 21                       | 15.23                       | 5.75 | 17.34   | 6.16 | 21.79   | 7.26 | 23.89 | 7.40 | 26.12   | 7.72 | 30.46   | 8.56  | 33.98 | 5.52 |
|     | 23                       | 15.23                       | 5.88 | 17.34   | 6.30 | 21.79   | 7.42 | 23.89 | 7.57 | 26.12   | 7.90 | 30.46   | 8.75  | 33.98 | 5.65 |
|     | 25                       | 15.23                       | 6.01 | 17.34   | 6.45 | 21.79   | 7.59 | 23.89 | 7.74 | 26.12   | 8.07 | 30.46   | 8.95  | 33.98 | 5.77 |
|     | 27                       | 15.23                       | 6.14 | 17.34   | 6.59 | 21.79   | 7.76 | 23.89 | 7.91 | 26.12   | 8.25 | 30.46   | 9.15  | 33.98 | 5.90 |
|     | 29                       | 15.23                       | 6.28 | 17.34   | 6.73 | 21.79   | 7.93 | 23.89 | 8.09 | 26.12   | 8.43 | 30.46   | 9.34  | 33.98 | 6.03 |
|     | 31                       | 15.23                       | 6.41 | 17.34   | 6.88 | 21.79   | 8.10 | 23.89 | 8.26 | 26.12   | 8.61 | 30.46   | 9.54  | 33.98 | 6.16 |
|     | 33                       | 15.23                       | 6.55 | 17.34   | 7.02 | 21.79   | 8.27 | 23.89 | 8.43 | 26.12   | 8.79 | 30.46   | 9.75  | 33.98 | 6.29 |
|     | 35                       | 15.23                       | 6.68 | 17.34   | 7.17 | 21.79   | 8.44 | 23.89 | 8.61 | 26.12   | 8.98 | 30.46   | 9.95  | 33.98 | 6.42 |
|     | 37                       | 15.23                       | 6.84 | 17.34   | 7.34 | 21.79   | 8.64 | 23.89 | 8.82 | 26.12   | 9.19 | 30.46   | 10.19 | 33.98 | 6.58 |
|     | 39                       | 15.23                       | 7.01 | 17.34   | 7.52 | 21.79   | 8.85 | 23.89 | 9.03 | 26.12   | 9.41 | 30.46   | 10.43 | 33.98 | 6.73 |
|     | 41                       | 15.23                       | 7.17 | 17.34   | 7.69 | 21.79   | 9.05 | 23.89 | 9.24 | 26.12   | 9.63 | 30.46   | 10.68 | 33.98 | 6.89 |
|     | 43                       | 15.23                       | 7.33 | 17.34   | 7.87 | 21.79   | 9.26 | 23.89 | 9.45 | 26.12   | 9.85 | 29.41   | 10.54 | 31.82 | 6.60 |
|     | 46                       | 15.23                       | 7.50 | 17.34   | 8.04 | 21.79   | 9.47 | 23.55 | 9.53 | 25.54   | 9.85 | 26.97   | 9.89  | 29.31 | 6.22 |
|     | 48                       | 15.23                       | 7.75 | 17.34   | 8.31 | 21.03   | 9.45 | 22.14 | 9.25 | 23.24   | 9.26 | 25.46   | 9.64  | 27.67 | 6.06 |
|     | 50                       | 15.23                       | 7.92 | 17.34   | 8.49 | 20.49   | 9.40 | 21.57 | 9.21 | 22.64   | 9.22 | 24.80   | 9.60  | 26.96 | 6.04 |
|     | 52                       | 15.23                       | 8.09 | 17.34   | 8.68 | 19.95   | 9.35 | 21.00 | 9.16 | 22.05   | 9.17 | 24.14   | 9.55  | 26.24 | 6.00 |
|     | 55                       | 15.23                       | 8.26 | 17.34   | 8.86 | 19.40   | 9.29 | 20.43 | 9.10 | 21.45   | 9.11 | 23.49   | 9.48  | 25.53 | 5.96 |
| 60% | -15                      | 13.00                       | 2.86 | 14.88   | 3.09 | 18.62   | 3.62 | 20.50 | 3.71 | 22.37   | 3.86 | 26.12   | 4.29  | 29.75 | 2.82 |
|     | -10                      | 13.00                       | 3.10 | 14.88   | 3.35 | 18.62   | 3.92 | 20.50 | 4.02 | 22.37   | 4.18 | 26.12   | 4.64  | 29.75 | 3.06 |
|     | -5                       | 13.00                       | 3.34 | 14.88   | 3.61 | 18.62   | 4.23 | 20.50 | 4.33 | 22.37   | 4.51 | 26.12   | 5.00  | 29.75 | 3.30 |
|     | -2                       | 13.00                       | 3.49 | 14.88   | 3.77 | 18.62   | 4.41 | 20.50 | 4.52 | 22.37   | 4.71 | 26.12   | 5.22  | 29.75 | 3.44 |
|     | 0                        | 13.00                       | 3.59 | 14.88   | 3.87 | 18.62   | 4.54 | 20.50 | 4.65 | 22.37   | 4.84 | 26.12   | 5.37  | 29.75 | 3.54 |
|     | 2                        | 13.00                       | 3.69 | 14.88   | 3.98 | 18.62   | 4.67 | 20.50 | 4.78 | 22.37   | 4.97 | 26.12   | 5.52  | 29.75 | 3.64 |
|     | 4                        | 13.00                       | 3.79 | 14.88   | 4.09 | 18.62   | 4.79 | 20.50 | 4.91 | 22.37   | 5.11 | 26.12   | 5.67  | 29.75 | 3.74 |
|     | 6                        | 13.00                       | 3.89 | 14.88   | 4.20 | 18.62   | 4.92 | 20.50 | 5.04 | 22.37   | 5.24 | 26.12   | 5.82  | 29.75 | 3.83 |
|     | 8                        | 13.00                       | 3.99 | 14.88   | 4.31 | 18.62   | 5.05 | 20.50 | 5.17 | 22.37   | 5.38 | 26.12   | 5.97  | 29.75 | 3.93 |
|     | 10                       | 13.00                       | 4.09 | 14.88   | 4.42 | 18.62   | 5.18 | 20.50 | 5.30 | 22.37   | 5.52 | 26.12   | 6.13  | 29.75 | 4.04 |
|     | 12                       | 13.00                       | 2.56 | 14.88   | 2.76 | 18.62   | 3.24 | 20.50 | 3.32 | 22.37   | 3.46 | 26.12   | 3.84  | 29.75 | 4.14 |
|     | 14                       | 13.00                       | 2.63 | 14.88   | 2.83 | 18.62   | 3.32 | 20.50 | 3.40 | 22.37   | 3.54 | 26.12   | 3.93  | 29.75 | 4.24 |
|     | 16                       | 13.00                       | 2.69 | 14.88   | 2.90 | 18.62   | 3.40 | 20.50 | 3.49 | 22.37   | 3.63 | 26.12   | 4.02  | 29.75 | 4.34 |
|     | 18                       | 13.00                       | 2.75 | 14.88   | 2.97 | 18.62   | 3.48 | 20.50 | 3.57 | 22.37   | 3.71 | 26.12   | 4.12  | 29.75 | 4.44 |
|     | 20                       | 13.00                       | 2.82 | 14.88   | 3.04 | 18.62   | 3.56 | 20.50 | 3.65 | 22.37   | 3.80 | 26.12   | 4.22  | 29.75 | 4.55 |
|     | 21                       | 13.00                       | 2.85 | 14.88   | 3.08 | 18.62   | 3.61 | 20.50 | 3.69 | 22.37   | 3.84 | 26.12   | 4.27  | 29.75 | 4.60 |
|     | 23                       | 13.00                       | 2.92 | 14.88   | 3.15 | 18.62   | 3.69 | 20.50 | 3.78 | 22.37   | 3.93 | 26.12   | 4.36  | 29.75 | 4.71 |
|     | 25                       | 13.00                       | 2.98 | 14.88   | 3.22 | 18.62   | 3.77 | 20.50 | 3.86 | 22.37   | 4.02 | 26.12   | 4.46  | 29.75 | 4.81 |
|     | 27                       | 13.00                       | 3.05 | 14.88   | 3.29 | 18.62   | 3.85 | 20.50 | 3.95 | 22.37   | 4.11 | 26.12   | 4.56  | 29.75 | 4.92 |
|     | 29                       | 13.00                       | 3.11 | 14.88   | 3.36 | 18.62   | 3.94 | 20.50 | 4.03 | 22.37   | 4.20 | 26.12   | 4.66  | 29.75 | 5.02 |
|     | 31                       | 13.00                       | 3.18 | 14.88   | 3.43 | 18.62   | 4.02 | 20.50 | 4.12 | 22.37   | 4.29 | 26.12   | 4.76  | 29.75 | 5.13 |
|     | 33                       | 13.00                       | 3.25 | 14.88   | 3.50 | 18.62   | 4.11 | 20.50 | 4.21 | 22.37   | 4.38 | 26.12   | 4.86  | 29.75 | 5.24 |
|     | 35                       | 13.00                       | 3.32 | 14.88   | 3.58 | 18.62   | 4.19 | 20.50 | 4.30 | 22.37   | 4.47 | 26.12   | 4.96  | 29.75 | 5.35 |
|     | 37                       | 13.00                       | 3.40 | 14.88   | 3.66 | 18.62   | 4.29 | 20.50 | 4.40 | 22.37   | 4.58 | 26.12   | 5.08  | 29.75 | 5.48 |
|     | 39                       | 13.00                       | 3.48 | 14.88   | 3.75 | 18.62   | 4.40 | 20.50 | 4.50 | 22.37   | 4.69 | 26.12   | 5.20  | 29.75 | 5.61 |
|     | 41                       | 13.00                       | 3.56 | 14.88   | 3.84 | 18.62   | 4.50 | 20.50 | 4.61 | 22.37   | 4.80 | 26.12   | 5.32  | 29.75 | 5.74 |
|     | 43                       | 13.00                       | 3.64 | 14.88   | 3.92 | 18.62   | 4.60 | 20.50 | 4.71 | 22.37   | 4.91 | 26.12   | 5.44  | 29.75 | 5.87 |
|     | 46                       | 13.00                       | 3.72 | 14.88   | 4.01 | 18.62   | 4.71 | 20.50 | 4.82 | 22.37   | 5.02 | 26.12   | 5.57  | 29.31 | 5.92 |
|     | 48                       | 13.00                       | 3.85 | 14.88   | 4.15 | 18.62   | 4.86 | 20.50 | 4.98 | 21.46   | 4.97 | 23.50   | 5.18  | 25.54 | 5.33 |
|     | 50                       | 13.00                       | 3.93 | 14.88   | 4.24 | 17.77   | 4.74 | 18.71 | 4.65 | 19.64   | 4.65 | 21.51   | 4.84  | 23.38 | 4.98 |
|     | 52                       | 13.00                       | 4.01 | 14.88   | 4.33 | 17.30   | 4.72 | 18.21 | 4.62 | 19.12   | 4.63 | 20.94   | 4.81  | 22.77 | 4.96 |
|     | 55                       | 13.00                       | 4.10 | 14.88   | 4.42 | 16.83   | 4.68 | 17.72 | 4.59 | 18.60   | 4.59 | 20.38   | 4.78  | 22.15 | 4.92 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...



Table2-8.3:12HP cooling capacity(continued)

| CR  | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |      |         |      |         |      |       |      |         |      |         |      |       |      |
|-----|--------------------------|-----------------------------|------|---------|------|---------|------|-------|------|---------|------|---------|------|-------|------|
|     |                          | 20.8/14                     |      | 23.3/16 |      | 25.8/18 |      | 27/19 |      | 28.2/20 |      | 30.7/22 |      | 32/24 |      |
|     |                          | TC                          | PI   | TC      | PI   | TC      | PI   | TC    | PI   | TC      | PI   | TC      | PI   | TC    | PI   |
| 50% | -15                      | 10.89                       | 1.38 | 12.41   | 1.49 | 15.58   | 1.75 | 17.10 | 1.79 | 18.62   | 1.85 | 21.79   | 2.06 | 24.84 | 2.23 |
|     | -10                      | 10.89                       | 1.50 | 12.41   | 1.61 | 15.58   | 1.89 | 17.10 | 1.93 | 18.62   | 2.01 | 21.79   | 2.23 | 24.84 | 2.41 |
|     | -5                       | 10.89                       | 1.62 | 12.41   | 1.73 | 15.58   | 2.04 | 17.10 | 2.08 | 18.62   | 2.16 | 21.79   | 2.41 | 24.84 | 2.60 |
|     | -2                       | 10.89                       | 1.69 | 12.41   | 1.81 | 15.58   | 2.13 | 17.10 | 2.18 | 18.62   | 2.26 | 21.79   | 2.51 | 24.84 | 2.71 |
|     | 0                        | 10.89                       | 1.73 | 12.41   | 1.86 | 15.58   | 2.19 | 17.10 | 2.24 | 18.62   | 2.32 | 21.79   | 2.58 | 24.84 | 2.79 |
|     | 2                        | 10.89                       | 1.78 | 12.41   | 1.91 | 15.58   | 2.25 | 17.10 | 2.30 | 18.62   | 2.39 | 21.79   | 2.66 | 24.84 | 2.87 |
|     | 4                        | 10.89                       | 1.83 | 12.41   | 1.97 | 15.58   | 2.31 | 17.10 | 2.36 | 18.62   | 2.45 | 21.79   | 2.73 | 24.84 | 2.94 |
|     | 6                        | 10.89                       | 1.88 | 12.41   | 2.02 | 15.58   | 2.37 | 17.10 | 2.42 | 18.62   | 2.52 | 21.79   | 2.80 | 24.84 | 3.02 |
|     | 8                        | 10.89                       | 1.93 | 12.41   | 2.07 | 15.58   | 2.44 | 17.10 | 2.49 | 18.62   | 2.58 | 21.79   | 2.87 | 24.84 | 3.10 |
|     | 10                       | 10.89                       | 1.98 | 12.41   | 2.12 | 15.58   | 2.50 | 17.10 | 2.55 | 18.62   | 2.65 | 21.79   | 2.95 | 24.84 | 3.18 |
|     | 12                       | 10.89                       | 2.03 | 12.41   | 2.18 | 15.58   | 2.56 | 17.10 | 2.62 | 18.62   | 2.72 | 21.79   | 3.02 | 24.84 | 3.26 |
|     | 14                       | 10.89                       | 2.08 | 12.41   | 2.23 | 15.58   | 2.62 | 17.10 | 2.68 | 18.62   | 2.78 | 21.79   | 3.09 | 24.84 | 3.34 |
|     | 16                       | 10.89                       | 2.13 | 12.41   | 2.28 | 15.58   | 2.69 | 17.10 | 2.74 | 18.62   | 2.85 | 21.79   | 3.17 | 24.84 | 3.42 |
|     | 18                       | 10.89                       | 2.18 | 12.41   | 2.34 | 15.58   | 2.75 | 17.10 | 2.81 | 18.62   | 2.92 | 21.79   | 3.25 | 24.84 | 3.50 |
|     | 20                       | 10.89                       | 2.23 | 12.41   | 2.39 | 15.58   | 2.82 | 17.10 | 2.88 | 18.62   | 2.99 | 21.79   | 3.32 | 24.84 | 3.59 |
|     | 21                       | 10.89                       | 2.26 | 12.41   | 2.42 | 15.58   | 2.85 | 17.10 | 2.91 | 18.62   | 3.02 | 21.79   | 3.36 | 24.84 | 3.63 |
|     | 23                       | 10.89                       | 2.31 | 12.41   | 2.48 | 15.58   | 2.91 | 17.10 | 2.98 | 18.62   | 3.09 | 21.79   | 3.44 | 24.84 | 3.71 |
|     | 25                       | 10.89                       | 2.36 | 12.41   | 2.53 | 15.58   | 2.98 | 17.10 | 3.04 | 18.62   | 3.16 | 21.79   | 3.51 | 24.84 | 3.79 |
|     | 27                       | 10.89                       | 2.41 | 12.41   | 2.59 | 15.58   | 3.04 | 17.10 | 3.11 | 18.62   | 3.23 | 21.79   | 3.59 | 24.84 | 3.88 |
|     | 29                       | 10.89                       | 2.46 | 12.41   | 2.64 | 15.58   | 3.11 | 17.10 | 3.18 | 18.62   | 3.30 | 21.79   | 3.67 | 24.84 | 3.96 |
|     | 31                       | 10.89                       | 2.52 | 12.41   | 2.70 | 15.58   | 3.18 | 17.10 | 3.25 | 18.62   | 3.37 | 21.79   | 3.75 | 24.84 | 4.05 |
|     | 33                       | 10.89                       | 2.57 | 12.41   | 2.76 | 15.58   | 3.24 | 17.10 | 3.31 | 18.62   | 3.44 | 21.79   | 3.83 | 24.84 | 4.13 |
|     | 35                       | 10.89                       | 2.62 | 12.41   | 2.82 | 15.58   | 3.31 | 17.10 | 3.38 | 18.62   | 3.51 | 21.79   | 3.91 | 24.84 | 4.22 |
|     | 37                       | 10.89                       | 2.69 | 12.41   | 2.88 | 15.58   | 3.39 | 17.10 | 3.46 | 18.62   | 3.60 | 21.79   | 4.00 | 24.84 | 4.32 |
|     | 39                       | 10.89                       | 2.75 | 12.41   | 2.95 | 15.58   | 3.47 | 17.10 | 3.55 | 18.62   | 3.68 | 21.79   | 4.10 | 24.84 | 4.42 |
|     | 41                       | 10.89                       | 2.81 | 12.41   | 3.02 | 15.58   | 3.55 | 17.10 | 3.63 | 18.62   | 3.77 | 21.79   | 4.19 | 24.84 | 4.52 |
|     | 43                       | 10.89                       | 2.88 | 12.41   | 3.09 | 15.58   | 3.63 | 17.10 | 3.71 | 18.62   | 3.85 | 21.79   | 4.29 | 24.84 | 4.63 |
|     | 46                       | 10.89                       | 2.94 | 12.41   | 3.16 | 15.58   | 3.72 | 17.10 | 3.80 | 18.62   | 3.94 | 21.79   | 4.38 | 24.84 | 4.73 |
|     | 48                       | 10.89                       | 3.04 | 12.41   | 3.27 | 15.58   | 3.84 | 17.10 | 3.92 | 18.62   | 4.07 | 21.79   | 4.53 | 24.84 | 4.89 |
|     | 50                       | 10.89                       | 3.11 | 12.41   | 3.34 | 15.58   | 3.92 | 17.10 | 4.01 | 18.62   | 4.16 | 21.19   | 4.50 | 23.03 | 4.63 |
|     | 52                       | 10.89                       | 3.17 | 12.41   | 3.41 | 15.58   | 4.01 | 16.42 | 3.93 | 17.24   | 3.94 | 18.88   | 4.10 | 20.52 | 4.22 |
|     | 55                       | 10.89                       | 3.24 | 12.41   | 3.48 | 14.19   | 3.73 | 14.94 | 3.65 | 15.69   | 3.66 | 17.18   | 3.81 | 18.68 | 3.92 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

## V8 PRO VRF 50Hz



Table2-8.4:14HP cooling capacity

| CR   | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |       |         |       |         |       |       |       |         |       |         |       |       |       |
|------|--------------------------|-----------------------------|-------|---------|-------|---------|-------|-------|-------|---------|-------|---------|-------|-------|-------|
|      |                          | 20.8/14                     |       | 23.3/16 |       | 25.8/18 |       | 27/19 |       | 28.2/20 |       | 30.7/22 |       | 32/24 |       |
|      |                          | TC                          | PI    | TC      | PI    | TC      | PI    | TC    | PI    | TC      | PI    | TC      | PI    | TC    | PI    |
| 130% | -15                      | 32.02                       | 6.45  | 36.64   | 6.95  | 45.08   | 8.01  | 49.48 | 8.19  | 53.99   | 8.52  | 60.69   | 9.10  | 61.97 | 5.11  |
|      | -10                      | 32.02                       | 7.19  | 36.64   | 7.75  | 45.08   | 8.94  | 49.48 | 9.13  | 53.99   | 9.50  | 60.69   | 10.15 | 61.97 | 5.69  |
|      | -5                       | 32.02                       | 7.95  | 36.64   | 8.57  | 45.08   | 9.88  | 49.48 | 10.09 | 53.99   | 10.50 | 60.69   | 11.22 | 61.97 | 6.29  |
|      | -2                       | 32.02                       | 8.41  | 36.64   | 9.06  | 45.08   | 10.45 | 49.48 | 10.67 | 53.99   | 11.10 | 60.69   | 11.86 | 61.97 | 6.66  |
|      | 0                        | 32.02                       | 8.72  | 36.64   | 9.40  | 45.08   | 10.83 | 49.48 | 11.06 | 53.99   | 11.51 | 60.69   | 12.30 | 61.97 | 6.90  |
|      | 2                        | 32.02                       | 9.03  | 36.64   | 9.73  | 45.08   | 11.22 | 49.48 | 11.46 | 53.99   | 11.92 | 60.69   | 12.74 | 61.97 | 7.15  |
|      | 4                        | 32.02                       | 9.34  | 36.64   | 10.07 | 45.08   | 11.60 | 49.48 | 11.85 | 53.99   | 12.33 | 60.69   | 13.18 | 61.97 | 7.39  |
|      | 6                        | 32.02                       | 9.65  | 36.64   | 10.41 | 45.08   | 12.00 | 49.48 | 12.25 | 53.99   | 12.75 | 60.69   | 13.62 | 61.97 | 7.64  |
|      | 8                        | 32.02                       | 9.97  | 36.64   | 10.75 | 45.08   | 12.39 | 49.48 | 12.66 | 53.99   | 13.17 | 60.69   | 14.07 | 61.97 | 7.89  |
|      | 10                       | 32.02                       | 10.29 | 36.64   | 11.09 | 45.08   | 12.78 | 49.48 | 13.06 | 53.99   | 13.59 | 60.69   | 14.52 | 61.97 | 8.15  |
|      | 12                       | 32.02                       | 10.61 | 36.64   | 11.44 | 45.08   | 13.18 | 49.48 | 13.47 | 53.99   | 14.01 | 60.69   | 14.97 | 61.97 | 8.40  |
|      | 14                       | 32.02                       | 10.93 | 36.64   | 11.79 | 45.08   | 13.58 | 49.48 | 13.88 | 53.99   | 14.44 | 60.69   | 15.43 | 61.97 | 8.65  |
|      | 16                       | 32.02                       | 11.26 | 36.64   | 12.14 | 45.08   | 13.99 | 49.48 | 14.29 | 53.99   | 14.87 | 60.69   | 15.88 | 61.97 | 8.91  |
|      | 18                       | 32.02                       | 11.58 | 36.64   | 12.49 | 45.08   | 14.40 | 49.48 | 14.70 | 53.99   | 15.30 | 60.69   | 16.35 | 61.97 | 9.17  |
|      | 20                       | 32.02                       | 11.91 | 36.64   | 12.84 | 45.08   | 14.80 | 49.48 | 15.12 | 53.99   | 15.73 | 60.69   | 16.81 | 61.97 | 9.43  |
|      | 21                       | 32.02                       | 12.08 | 36.64   | 13.02 | 45.08   | 15.01 | 49.48 | 15.33 | 53.99   | 15.95 | 60.69   | 17.04 | 61.97 | 9.56  |
|      | 23                       | 32.02                       | 12.41 | 36.64   | 13.38 | 45.08   | 15.42 | 49.48 | 15.75 | 53.99   | 16.39 | 60.69   | 17.51 | 61.97 | 9.83  |
|      | 25                       | 32.02                       | 12.75 | 36.64   | 13.74 | 45.08   | 15.84 | 49.48 | 16.18 | 53.99   | 16.83 | 60.69   | 17.99 | 61.97 | 10.09 |
|      | 27                       | 32.02                       | 13.08 | 36.64   | 14.10 | 45.08   | 16.26 | 49.48 | 16.61 | 53.99   | 17.28 | 60.69   | 18.46 | 61.97 | 10.36 |
|      | 29                       | 32.02                       | 13.42 | 36.64   | 14.47 | 45.08   | 16.68 | 49.48 | 17.04 | 53.99   | 17.73 | 60.69   | 18.94 | 61.97 | 10.63 |
|      | 31                       | 32.02                       | 13.76 | 36.64   | 14.84 | 45.08   | 17.10 | 49.48 | 17.47 | 52.72   | 17.75 | 57.74   | 18.47 | 61.97 | 10.90 |
|      | 33                       | 32.02                       | 14.11 | 36.64   | 15.21 | 44.85   | 17.44 | 46.74 | 16.92 | 49.08   | 16.94 | 53.75   | 17.63 | 58.43 | 10.53 |
|      | 35                       | 32.02                       | 14.45 | 36.64   | 15.58 | 44.74   | 17.82 | 45.79 | 16.98 | 46.94   | 16.59 | 49.77   | 16.72 | 54.10 | 9.99  |
|      | 37                       | 32.02                       | 14.82 | 35.95   | 15.67 | 42.89   | 17.52 | 43.23 | 16.43 | 44.41   | 16.09 | 48.63   | 16.75 | 52.86 | 10.01 |
|      | 39                       | 31.44                       | 14.91 | 35.95   | 16.06 | 39.77   | 16.64 | 41.69 | 16.24 | 43.78   | 16.26 | 47.95   | 16.93 | 52.12 | 10.11 |
|      | 41                       | 31.56                       | 15.33 | 35.72   | 16.35 | 39.04   | 16.74 | 41.09 | 16.40 | 43.15   | 16.42 | 47.26   | 17.09 | 51.37 | 10.21 |
|      | 43                       | 31.44                       | 15.64 | 34.42   | 16.13 | 38.47   | 16.89 | 40.50 | 16.54 | 42.52   | 16.56 | 46.57   | 17.24 | 50.62 | 10.30 |
|      | 46                       | 29.92                       | 15.23 | 33.91   | 16.26 | 37.90   | 17.03 | 39.90 | 16.68 | 41.89   | 16.70 | 45.88   | 17.39 | 49.87 | 10.38 |
|      | 48                       | 28.15                       | 14.82 | 31.90   | 15.83 | 35.65   | 16.57 | 37.53 | 16.24 | 39.40   | 16.26 | 43.16   | 16.92 | 46.91 | 10.11 |
|      | 50                       | 26.96                       | 14.52 | 30.56   | 15.50 | 34.15   | 16.23 | 35.95 | 15.90 | 37.75   | 15.92 | 41.34   | 16.57 | 44.94 | 9.90  |
|      | 52                       | 25.78                       | 14.19 | 29.21   | 15.15 | 32.65   | 15.86 | 34.37 | 15.54 | 36.09   | 15.56 | 39.52   | 16.20 | 42.96 | 9.67  |
|      | 55                       | 24.59                       | 13.83 | 27.87   | 14.77 | 31.15   | 15.47 | 32.79 | 15.15 | 34.43   | 15.17 | 37.71   | 15.79 | 40.99 | 9.43  |
| 120% | -15                      | 30.18                       | 6.35  | 34.46   | 6.83  | 42.31   | 7.86  | 46.48 | 8.03  | 50.75   | 8.36  | 59.08   | 9.25  | 60.58 | 5.21  |
|      | -10                      | 30.18                       | 7.08  | 34.46   | 7.62  | 42.31   | 8.76  | 46.48 | 8.96  | 50.75   | 9.33  | 59.08   | 10.32 | 60.58 | 5.81  |
|      | -5                       | 30.18                       | 7.82  | 34.46   | 8.42  | 42.31   | 9.68  | 46.48 | 9.90  | 50.75   | 10.31 | 59.08   | 11.40 | 60.58 | 6.42  |
|      | -2                       | 30.18                       | 8.28  | 34.46   | 8.90  | 42.31   | 10.24 | 46.48 | 10.47 | 50.75   | 10.90 | 59.08   | 12.06 | 60.58 | 6.80  |
|      | 0                        | 30.18                       | 8.58  | 34.46   | 9.23  | 42.31   | 10.62 | 46.48 | 10.85 | 50.75   | 11.30 | 59.08   | 12.50 | 60.58 | 7.04  |
|      | 2                        | 30.18                       | 8.89  | 34.46   | 9.56  | 42.31   | 10.99 | 46.48 | 11.24 | 50.75   | 11.70 | 59.08   | 12.95 | 60.58 | 7.30  |
|      | 4                        | 30.18                       | 9.19  | 34.46   | 9.89  | 42.31   | 11.38 | 46.48 | 11.63 | 50.75   | 12.11 | 59.08   | 13.40 | 60.58 | 7.55  |
|      | 6                        | 30.18                       | 9.50  | 34.46   | 10.22 | 42.31   | 11.76 | 46.48 | 12.02 | 50.75   | 12.52 | 59.08   | 13.85 | 60.58 | 7.80  |
|      | 8                        | 30.18                       | 9.81  | 34.46   | 10.56 | 42.31   | 12.14 | 46.48 | 12.42 | 50.75   | 12.93 | 59.08   | 14.30 | 60.58 | 8.06  |
|      | 10                       | 30.18                       | 10.13 | 34.46   | 10.90 | 42.31   | 12.53 | 46.48 | 12.81 | 50.75   | 13.34 | 59.08   | 14.76 | 60.58 | 8.32  |
|      | 12                       | 30.18                       | 10.44 | 34.46   | 11.23 | 42.31   | 12.92 | 46.48 | 13.21 | 50.75   | 13.76 | 59.08   | 15.22 | 60.58 | 8.58  |
|      | 14                       | 30.18                       | 10.76 | 34.46   | 11.58 | 42.31   | 13.32 | 46.48 | 13.61 | 50.75   | 14.17 | 59.08   | 15.68 | 60.58 | 8.84  |
|      | 16                       | 30.18                       | 11.08 | 34.46   | 11.92 | 42.31   | 13.71 | 46.48 | 14.02 | 50.75   | 14.60 | 59.08   | 16.15 | 60.58 | 9.10  |
|      | 18                       | 30.18                       | 11.40 | 34.46   | 12.27 | 42.31   | 14.11 | 46.48 | 14.43 | 50.75   | 15.02 | 59.08   | 16.62 | 60.58 | 9.36  |
|      | 20                       | 30.18                       | 11.73 | 34.46   | 12.62 | 42.31   | 14.51 | 46.48 | 14.84 | 50.75   | 15.45 | 59.08   | 17.09 | 60.58 | 9.63  |
|      | 21                       | 30.18                       | 11.89 | 34.46   | 12.79 | 42.31   | 14.71 | 46.48 | 15.04 | 50.75   | 15.66 | 59.08   | 17.33 | 60.58 | 9.76  |
|      | 23                       | 30.18                       | 12.22 | 34.46   | 13.14 | 42.31   | 15.12 | 46.48 | 15.46 | 50.75   | 16.09 | 59.08   | 17.81 | 60.58 | 10.03 |
|      | 25                       | 30.18                       | 12.55 | 34.46   | 13.50 | 42.31   | 15.53 | 46.48 | 15.87 | 50.75   | 16.53 | 59.08   | 18.29 | 60.58 | 10.30 |
|      | 27                       | 30.18                       | 12.88 | 34.46   | 13.85 | 42.31   | 15.94 | 46.48 | 16.29 | 50.75   | 16.96 | 59.08   | 18.77 | 60.58 | 10.57 |
|      | 29                       | 30.18                       | 13.21 | 34.46   | 14.21 | 42.31   | 16.35 | 46.48 | 16.72 | 50.75   | 17.40 | 59.08   | 19.26 | 60.58 | 10.85 |
|      | 31                       | 30.18                       | 13.55 | 34.46   | 14.57 | 42.31   | 16.76 | 46.48 | 17.14 | 50.75   | 17.85 | 56.19   | 18.78 | 60.58 | 11.12 |
|      | 33                       | 30.18                       | 13.89 | 34.46   | 14.94 | 42.31   | 17.18 | 45.67 | 17.26 | 47.76   | 17.21 | 52.31   | 17.92 | 56.86 | 10.70 |
|      | 35                       | 30.18                       | 14.23 | 34.46   | 15.30 | 42.20   | 17.56 | 44.97 | 17.41 | 45.90   | 16.95 | 48.44   | 17.00 | 52.65 | 10.15 |
|      | 37                       | 30.18                       | 14.59 | 34.46   | 15.69 | 42.20   | 18.00 | 43.00 | 17.07 | 43.47   | 16.46 | 47.10   | 16.95 | 51.19 | 10.12 |
|      | 39                       | 30.18                       | 14.95 | 34.32   | 16.01 | 39.43   | 17.24 | 40.38 | 16.43 | 42.40   | 16.45 | 46.43   | 17.12 | 50.47 | 10.22 |
|      | 41                       | 29.85                       | 15.14 | 33.83   | 16.17 | 37.81   | 16.93 | 39.80 | 16.58 | 41.79   | 16.60 | 45.77   | 17.28 | 49.75 | 10.32 |
|      | 43                       | 29.59                       | 15.37 | 33.34   | 16.31 | 37.26   | 17.08 | 39.22 | 16.73 | 41.18   | 16.75 | 45.10   | 17.44 | 49.02 | 10.42 |
|      | 46                       | 28.98                       | 15.41 | 32.84   | 16.45 | 36.71   | 17.22 | 38.64 | 16.87 | 40.57   | 16.89 | 44.43   | 17.59 | 48.30 | 10.50 |
|      | 48                       | 27.26                       | 14.99 | 30.89   | 16.01 | 34.53   | 16.76 | 36.34 | 16.42 | 38.16   | 16.44 | 41.79   | 17.12 | 45.43 | 10.22 |
|      | 50                       | 26.11                       | 14.69 | 29.59   | 15.68 | 33.07   | 16.42 | 34.81 | 16.09 | 36.55   | 16.10 | 40.04   | 16.76 | 43.52 | 10.01 |
|      | 52                       | 24.96                       | 14.35 | 28.29   | 15.32 | 31.62   | 16.05 | 33.28 | 15.72 | 34.95   | 15.74 | 38.28   | 16.38 | 41.60 | 9.78  |
|      | 55                       | 23.81                       | 13.99 | 26.99   | 14.94 | 30.17   | 15.64 | 31.75 | 15.32 | 33.34   | 15.34 | 36.52   | 15.97 | 39.69 | 9.54  |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...



Table2-8.4:14HP cooling capacity(continued)

| CR   | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |       |         |       |         |       |       |       |         |       |         |       |       |       |
|------|--------------------------|-----------------------------|-------|---------|-------|---------|-------|-------|-------|---------|-------|---------|-------|-------|-------|
|      |                          | 20.8/14                     |       | 23.3/16 |       | 25.8/18 |       | 27/19 |       | 28.2/20 |       | 30.7/22 |       | 32/24 |       |
|      |                          | TC                          | PI    | TC      | PI    | TC      | PI    | TC    | PI    | TC      | PI    | TC      | PI    | TC    | PI    |
| 110% | -15                      | 28.10                       | 6.19  | 32.13   | 6.67  | 40.12   | 7.80  | 43.36 | 7.85  | 47.51   | 8.20  | 55.15   | 9.04  | 58.97 | 5.31  |
|      | -10                      | 28.10                       | 6.90  | 32.13   | 7.44  | 40.12   | 8.70  | 43.36 | 8.75  | 47.51   | 9.14  | 55.15   | 10.09 | 58.97 | 5.93  |
|      | -5                       | 28.10                       | 7.63  | 32.13   | 8.22  | 40.12   | 9.61  | 43.36 | 9.67  | 47.51   | 10.10 | 55.15   | 11.14 | 58.97 | 6.55  |
|      | -2                       | 28.10                       | 8.07  | 32.13   | 8.69  | 40.12   | 10.17 | 43.36 | 10.23 | 47.51   | 10.68 | 55.15   | 11.79 | 58.97 | 6.93  |
|      | 0                        | 28.10                       | 8.36  | 32.13   | 9.01  | 40.12   | 10.54 | 43.36 | 10.60 | 47.51   | 11.08 | 55.15   | 12.22 | 58.97 | 7.18  |
|      | 2                        | 28.10                       | 8.66  | 32.13   | 9.33  | 40.12   | 10.92 | 43.36 | 10.98 | 47.51   | 11.47 | 55.15   | 12.66 | 58.97 | 7.44  |
|      | 4                        | 28.10                       | 8.96  | 32.13   | 9.65  | 40.12   | 11.29 | 43.36 | 11.36 | 47.51   | 11.87 | 55.15   | 13.09 | 58.97 | 7.69  |
|      | 6                        | 28.10                       | 9.26  | 32.13   | 9.98  | 40.12   | 11.67 | 43.36 | 11.74 | 47.51   | 12.27 | 55.15   | 13.54 | 58.97 | 7.95  |
|      | 8                        | 28.10                       | 9.57  | 32.13   | 10.31 | 40.12   | 12.06 | 43.36 | 12.13 | 47.51   | 12.67 | 55.15   | 13.98 | 58.97 | 8.21  |
|      | 10                       | 28.10                       | 9.87  | 32.13   | 10.64 | 40.12   | 12.44 | 43.36 | 12.51 | 47.51   | 13.08 | 55.15   | 14.43 | 58.97 | 8.48  |
|      | 12                       | 28.10                       | 10.18 | 32.13   | 10.97 | 40.12   | 12.83 | 43.36 | 12.91 | 47.51   | 13.48 | 55.15   | 14.88 | 58.97 | 8.74  |
|      | 14                       | 28.10                       | 10.49 | 32.13   | 11.30 | 40.12   | 13.22 | 43.36 | 13.30 | 47.51   | 13.89 | 55.15   | 15.33 | 58.97 | 9.01  |
|      | 16                       | 28.10                       | 10.80 | 32.13   | 11.64 | 40.12   | 13.61 | 43.36 | 13.69 | 47.51   | 14.31 | 55.15   | 15.78 | 58.97 | 9.27  |
|      | 18                       | 28.10                       | 11.12 | 32.13   | 11.98 | 40.12   | 14.01 | 43.36 | 14.09 | 47.51   | 14.72 | 55.15   | 16.24 | 58.97 | 9.54  |
|      | 20                       | 28.10                       | 11.43 | 32.13   | 12.32 | 40.12   | 14.41 | 43.36 | 14.49 | 47.51   | 15.14 | 55.15   | 16.70 | 58.97 | 9.81  |
|      | 21                       | 28.10                       | 11.59 | 32.13   | 12.49 | 40.12   | 14.61 | 43.36 | 14.69 | 47.51   | 15.35 | 55.15   | 16.94 | 58.97 | 9.95  |
|      | 23                       | 28.10                       | 11.91 | 32.13   | 12.83 | 40.12   | 15.01 | 43.36 | 15.10 | 47.51   | 15.77 | 55.15   | 17.40 | 58.97 | 10.22 |
|      | 25                       | 28.10                       | 12.23 | 32.13   | 13.18 | 40.12   | 15.41 | 43.36 | 15.50 | 47.51   | 16.20 | 55.15   | 17.87 | 58.97 | 10.50 |
|      | 27                       | 28.10                       | 12.55 | 32.13   | 13.52 | 40.12   | 15.82 | 43.36 | 15.91 | 47.51   | 16.63 | 55.15   | 18.34 | 58.97 | 10.78 |
|      | 29                       | 28.10                       | 12.88 | 32.13   | 13.87 | 40.12   | 16.23 | 43.36 | 16.33 | 47.51   | 17.06 | 55.15   | 18.82 | 58.97 | 11.06 |
|      | 31                       | 28.10                       | 13.21 | 32.13   | 14.23 | 40.12   | 16.64 | 43.36 | 16.74 | 47.51   | 17.49 | 53.63   | 18.76 | 58.29 | 11.21 |
|      | 33                       | 28.10                       | 13.54 | 32.13   | 14.58 | 40.12   | 17.06 | 43.36 | 17.16 | 45.67   | 17.23 | 49.93   | 17.91 | 54.27 | 10.69 |
|      | 35                       | 28.10                       | 13.87 | 32.13   | 14.94 | 39.31   | 17.12 | 43.23 | 17.53 | 44.97   | 17.38 | 47.05   | 17.29 | 50.25 | 10.14 |
|      | 37                       | 28.10                       | 14.22 | 32.13   | 15.32 | 39.31   | 17.56 | 42.54 | 17.68 | 43.12   | 17.09 | 45.06   | 16.97 | 48.98 | 10.14 |
|      | 39                       | 28.10                       | 14.57 | 32.13   | 15.70 | 39.31   | 17.99 | 39.54 | 16.84 | 40.56   | 16.47 | 44.42   | 17.15 | 48.29 | 10.24 |
|      | 41                       | 28.10                       | 14.92 | 32.13   | 16.08 | 36.17   | 16.96 | 38.07 | 16.61 | 39.98   | 16.63 | 43.79   | 17.31 | 47.59 | 10.34 |
|      | 43                       | 28.10                       | 15.28 | 31.89   | 16.34 | 35.64   | 17.11 | 37.52 | 16.76 | 39.40   | 16.78 | 43.15   | 17.47 | 46.90 | 10.43 |
|      | 46                       | 28.10                       | 15.64 | 31.42   | 16.48 | 35.12   | 17.25 | 36.97 | 16.90 | 38.81   | 16.92 | 42.51   | 17.62 | 46.21 | 10.52 |
|      | 48                       | 26.08                       | 15.02 | 29.55   | 16.04 | 33.03   | 16.79 | 34.77 | 16.45 | 36.51   | 16.47 | 39.99   | 17.14 | 43.46 | 10.24 |
|      | 50                       | 24.98                       | 14.71 | 28.31   | 15.71 | 31.64   | 16.45 | 33.31 | 16.11 | 34.97   | 16.13 | 38.30   | 16.79 | 41.63 | 10.03 |
|      | 52                       | 23.88                       | 14.38 | 27.07   | 15.35 | 30.25   | 16.07 | 31.84 | 15.75 | 33.43   | 15.76 | 36.62   | 16.41 | 39.80 | 9.80  |
|      | 55                       | 22.78                       | 14.01 | 25.82   | 14.96 | 28.86   | 15.67 | 30.38 | 15.35 | 31.90   | 15.37 | 34.94   | 16.00 | 37.97 | 9.55  |
| 100% | -15                      | 26.02                       | 6.02  | 29.71   | 6.47  | 37.11   | 7.57  | 40.81 | 7.75  | 43.70   | 7.91  | 50.98   | 8.77  | 57.11 | 5.40  |
|      | -10                      | 26.02                       | 6.71  | 29.71   | 7.22  | 37.11   | 8.44  | 40.81 | 8.64  | 43.70   | 8.83  | 50.98   | 9.79  | 57.11 | 6.02  |
|      | -5                       | 26.02                       | 7.41  | 29.71   | 7.97  | 37.11   | 9.33  | 40.81 | 9.55  | 43.70   | 9.75  | 50.98   | 10.81 | 57.11 | 6.66  |
|      | -2                       | 26.02                       | 7.84  | 29.71   | 8.43  | 37.11   | 9.87  | 40.81 | 10.10 | 43.70   | 10.31 | 50.98   | 11.44 | 57.11 | 7.04  |
|      | 0                        | 26.02                       | 8.13  | 29.71   | 8.74  | 37.11   | 10.23 | 40.81 | 10.47 | 43.70   | 10.69 | 50.98   | 11.86 | 57.11 | 7.30  |
|      | 2                        | 26.02                       | 8.42  | 29.71   | 9.06  | 37.11   | 10.60 | 40.81 | 10.85 | 43.70   | 11.07 | 50.98   | 12.28 | 57.11 | 7.56  |
|      | 4                        | 26.02                       | 8.71  | 29.71   | 9.37  | 37.11   | 10.96 | 40.81 | 11.22 | 43.70   | 11.46 | 50.98   | 12.70 | 57.11 | 7.82  |
|      | 6                        | 26.02                       | 9.00  | 29.71   | 9.69  | 37.11   | 11.33 | 40.81 | 11.60 | 43.70   | 11.84 | 50.98   | 13.13 | 57.11 | 8.08  |
|      | 8                        | 26.02                       | 9.30  | 29.71   | 10.00 | 37.11   | 11.71 | 40.81 | 11.98 | 43.70   | 12.23 | 50.98   | 13.56 | 57.11 | 8.35  |
|      | 10                       | 26.02                       | 9.60  | 29.71   | 10.32 | 37.11   | 12.08 | 40.81 | 12.36 | 43.70   | 12.62 | 50.98   | 14.00 | 57.11 | 8.62  |
|      | 12                       | 26.02                       | 9.90  | 29.71   | 10.64 | 37.11   | 12.46 | 40.81 | 12.75 | 43.70   | 13.02 | 50.98   | 14.43 | 57.11 | 8.88  |
|      | 14                       | 26.02                       | 10.20 | 29.71   | 10.97 | 37.11   | 12.84 | 40.81 | 13.14 | 43.70   | 13.41 | 50.98   | 14.87 | 57.11 | 9.15  |
|      | 16                       | 26.02                       | 10.50 | 29.71   | 11.29 | 37.11   | 13.22 | 40.81 | 13.53 | 43.70   | 13.81 | 50.98   | 15.31 | 57.11 | 9.43  |
|      | 18                       | 26.02                       | 10.80 | 29.71   | 11.62 | 37.11   | 13.60 | 40.81 | 13.92 | 43.70   | 14.21 | 50.98   | 15.76 | 57.11 | 9.70  |
|      | 20                       | 26.02                       | 11.11 | 29.71   | 11.95 | 37.11   | 13.99 | 40.81 | 14.32 | 43.70   | 14.62 | 50.98   | 16.21 | 57.11 | 9.98  |
|      | 21                       | 26.02                       | 11.27 | 29.71   | 12.12 | 37.11   | 14.18 | 40.81 | 14.51 | 43.70   | 14.82 | 50.98   | 16.43 | 57.11 | 10.11 |
|      | 23                       | 26.02                       | 11.58 | 29.71   | 12.45 | 37.11   | 14.57 | 40.81 | 14.91 | 43.70   | 15.23 | 50.98   | 16.88 | 57.11 | 10.39 |
|      | 25                       | 26.02                       | 11.89 | 29.71   | 12.79 | 37.11   | 14.96 | 40.81 | 15.32 | 43.70   | 15.64 | 50.98   | 17.34 | 57.11 | 10.67 |
|      | 27                       | 26.02                       | 12.20 | 29.71   | 13.13 | 37.11   | 15.36 | 40.81 | 15.72 | 43.70   | 16.05 | 50.98   | 17.80 | 57.11 | 10.96 |
|      | 29                       | 26.02                       | 12.52 | 29.71   | 13.47 | 37.11   | 15.76 | 40.81 | 16.13 | 43.70   | 16.47 | 50.98   | 18.26 | 57.11 | 11.24 |
|      | 31                       | 26.02                       | 12.84 | 29.71   | 13.81 | 37.11   | 16.16 | 40.81 | 16.54 | 43.70   | 16.89 | 50.98   | 18.72 | 57.11 | 11.52 |
|      | 33                       | 26.02                       | 13.16 | 29.71   | 14.15 | 37.11   | 16.56 | 40.81 | 16.95 | 43.70   | 17.31 | 49.68   | 18.70 | 54.00 | 11.17 |
|      | 35                       | 26.02                       | 13.48 | 29.71   | 14.50 | 37.11   | 16.97 | 40.00 | 17.02 | 43.59   | 17.69 | 46.00   | 17.74 | 50.00 | 10.60 |
|      | 37                       | 26.02                       | 13.82 | 29.71   | 14.87 | 37.11   | 17.40 | 40.00 | 17.45 | 42.66   | 17.75 | 45.36   | 17.93 | 49.30 | 10.71 |
|      | 39                       | 26.02                       | 14.16 | 29.71   | 15.23 | 37.11   | 17.83 | 39.31 | 17.57 | 40.83   | 17.40 | 44.72   | 18.12 | 48.61 | 10.82 |
|      | 41                       | 26.02                       | 14.51 | 29.71   | 15.60 | 36.41   | 17.92 | 38.33 | 17.55 | 40.24   | 17.57 | 44.08   | 18.29 | 47.91 | 10.93 |
|      | 43                       | 26.02                       | 14.85 | 29.71   | 15.98 | 35.88   | 18.08 | 37.77 | 17.71 | 39.66   | 17.73 | 43.43   | 18.46 | 47.21 | 11.02 |
|      | 46                       | 26.02                       | 15.20 | 29.71   | 16.35 | 35.35   | 18.23 | 37.21 | 17.86 | 39.07   | 17.88 | 42.79   | 18.61 | 46.51 | 11.12 |
|      | 48                       | 26.02                       | 15.73 | 29.71   | 16.92 | 33.25   | 17.74 | 35.00 | 17.38 | 36.75   | 17.40 | 40.25   | 18.11 | 43.75 | 10.82 |
|      | 50                       | 25.15                       | 15.54 | 28.50   | 16.60 | 31.85   | 17.38 | 33.53 | 17.02 | 35.20   | 17.04 | 38.56   | 17.74 | 41.91 | 10.60 |
|      | 52                       | 24.04                       | 15.19 | 27.25   | 16.22 | 30.45   | 16.98 | 32.05 | 16.64 | 33.66   | 16.66 | 36.86   | 17.34 | 40.07 | 10.36 |
|      | 55                       | 22.93                       | 14.81 | 25.99   | 15.81 | 29.05   | 16.55 | 30.58 | 16.22 | 32.11   | 16.24 | 35.17   | 16.90 | 38.22 | 10.10 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

## V8 PRO VRF 50Hz



Table2-8.4:14HP cooling capacity(continued)

| CR  | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |       |         |       |         |       |       |       |         |       |         |       |       |       |
|-----|--------------------------|-----------------------------|-------|---------|-------|---------|-------|-------|-------|---------|-------|---------|-------|-------|-------|
|     |                          | 20.8/14                     |       | 23.3/16 |       | 25.8/18 |       | 27/19 |       | 28.2/20 |       | 30.7/22 |       | 32/24 |       |
|     |                          | TC                          | PI    | TC      | PI    | TC      | PI    | TC    | PI    | TC      | PI    | TC      | PI    | TC    | PI    |
| 90% | -15                      | 23.36                       | 5.22  | 26.71   | 5.62  | 33.41   | 6.59  | 36.77 | 6.75  | 40.00   | 7.00  | 45.90   | 7.63  | 52.84 | 4.83  |
|     | -10                      | 23.36                       | 5.82  | 26.71   | 6.27  | 33.41   | 7.35  | 36.77 | 7.52  | 40.00   | 7.80  | 45.90   | 8.51  | 52.84 | 5.38  |
|     | -5                       | 23.36                       | 6.43  | 26.71   | 6.93  | 33.41   | 8.12  | 36.77 | 8.31  | 40.00   | 8.62  | 45.90   | 9.41  | 52.84 | 5.95  |
|     | -2                       | 23.36                       | 6.80  | 26.71   | 7.33  | 33.41   | 8.59  | 36.77 | 8.79  | 40.00   | 9.12  | 45.90   | 9.95  | 52.84 | 6.29  |
|     | 0                        | 23.36                       | 7.05  | 26.71   | 7.60  | 33.41   | 8.90  | 36.77 | 9.12  | 40.00   | 9.46  | 45.90   | 10.31 | 52.84 | 6.52  |
|     | 2                        | 23.36                       | 7.30  | 26.71   | 7.87  | 33.41   | 9.22  | 36.77 | 9.44  | 40.00   | 9.79  | 45.90   | 10.68 | 52.84 | 6.76  |
|     | 4                        | 23.36                       | 7.55  | 26.71   | 8.14  | 33.41   | 9.54  | 36.77 | 9.77  | 40.00   | 10.13 | 45.90   | 11.05 | 52.84 | 6.99  |
|     | 6                        | 23.36                       | 7.81  | 26.71   | 8.41  | 33.41   | 9.86  | 36.77 | 10.10 | 40.00   | 10.47 | 45.90   | 11.42 | 52.84 | 7.23  |
|     | 8                        | 23.36                       | 8.07  | 26.71   | 8.69  | 33.41   | 10.18 | 36.77 | 10.43 | 40.00   | 10.82 | 45.90   | 11.80 | 52.84 | 7.46  |
|     | 10                       | 23.36                       | 8.32  | 26.71   | 8.97  | 33.41   | 10.51 | 36.77 | 10.76 | 40.00   | 11.16 | 45.90   | 12.18 | 52.84 | 7.70  |
|     | 12                       | 23.36                       | 8.58  | 26.71   | 9.25  | 33.41   | 10.83 | 36.77 | 11.10 | 40.00   | 11.51 | 45.90   | 12.55 | 52.84 | 7.94  |
|     | 14                       | 23.36                       | 8.84  | 26.71   | 9.53  | 33.41   | 11.16 | 36.77 | 11.44 | 40.00   | 11.86 | 45.90   | 12.94 | 52.84 | 8.18  |
|     | 16                       | 23.36                       | 9.11  | 26.71   | 9.81  | 33.41   | 11.50 | 36.77 | 11.78 | 40.00   | 12.21 | 45.90   | 13.32 | 52.84 | 8.43  |
|     | 18                       | 23.36                       | 9.37  | 26.71   | 10.10 | 33.41   | 11.83 | 36.77 | 12.12 | 40.00   | 12.57 | 45.90   | 13.71 | 52.84 | 8.67  |
|     | 20                       | 23.36                       | 9.64  | 26.71   | 10.38 | 33.41   | 12.17 | 36.77 | 12.46 | 40.00   | 12.93 | 45.90   | 14.10 | 52.84 | 8.92  |
|     | 21                       | 23.36                       | 9.77  | 26.71   | 10.53 | 33.41   | 12.34 | 36.77 | 12.63 | 40.00   | 13.11 | 45.90   | 14.29 | 52.84 | 9.04  |
|     | 23                       | 23.36                       | 10.04 | 26.71   | 10.82 | 33.41   | 12.67 | 36.77 | 12.98 | 40.00   | 13.47 | 45.90   | 14.69 | 52.84 | 9.29  |
|     | 25                       | 23.36                       | 10.31 | 26.71   | 11.11 | 33.41   | 13.02 | 36.77 | 13.33 | 40.00   | 13.83 | 45.90   | 15.08 | 52.84 | 9.54  |
|     | 27                       | 23.36                       | 10.58 | 26.71   | 11.40 | 33.41   | 13.36 | 36.77 | 13.68 | 40.00   | 14.20 | 45.90   | 15.48 | 52.84 | 9.79  |
|     | 29                       | 23.36                       | 10.86 | 26.71   | 11.70 | 33.41   | 13.71 | 36.77 | 14.04 | 40.00   | 14.56 | 45.90   | 15.88 | 52.84 | 10.05 |
|     | 31                       | 23.36                       | 11.13 | 26.71   | 11.99 | 33.41   | 14.05 | 36.77 | 14.40 | 40.00   | 14.93 | 45.90   | 16.29 | 52.84 | 10.30 |
|     | 33                       | 23.36                       | 11.41 | 26.71   | 12.29 | 33.41   | 14.41 | 36.77 | 14.76 | 40.00   | 15.31 | 45.90   | 16.69 | 52.84 | 10.56 |
|     | 35                       | 23.36                       | 11.69 | 26.71   | 12.59 | 33.41   | 14.76 | 36.77 | 15.12 | 40.00   | 15.68 | 45.90   | 17.10 | 50.00 | 10.24 |
|     | 37                       | 23.36                       | 11.99 | 26.71   | 12.91 | 33.41   | 15.13 | 36.77 | 15.50 | 40.00   | 16.08 | 43.24   | 16.52 | 47.00 | 9.86  |
|     | 39                       | 23.36                       | 12.28 | 26.71   | 13.23 | 33.41   | 15.51 | 35.95 | 15.53 | 39.20   | 16.15 | 40.75   | 15.95 | 44.29 | 9.53  |
|     | 41                       | 23.36                       | 12.58 | 26.71   | 13.55 | 33.18   | 15.77 | 35.84 | 15.86 | 36.67   | 15.47 | 40.16   | 16.10 | 43.66 | 9.62  |
|     | 43                       | 23.36                       | 12.88 | 26.71   | 13.88 | 32.70   | 15.91 | 34.42 | 15.59 | 36.14   | 15.61 | 39.58   | 16.25 | 43.02 | 9.70  |
|     | 46                       | 23.36                       | 13.18 | 26.71   | 14.20 | 32.21   | 16.05 | 33.91 | 15.72 | 35.60   | 15.74 | 38.99   | 16.39 | 42.39 | 9.79  |
|     | 48                       | 23.36                       | 13.64 | 26.71   | 14.70 | 30.30   | 15.62 | 31.89 | 15.30 | 33.49   | 15.32 | 36.68   | 15.95 | 39.87 | 9.52  |
|     | 50                       | 22.91                       | 13.68 | 25.97   | 14.61 | 29.02   | 15.30 | 30.55 | 14.99 | 32.08   | 15.01 | 35.13   | 15.62 | 38.19 | 9.33  |
|     | 52                       | 21.91                       | 13.37 | 24.83   | 14.28 | 27.75   | 14.95 | 29.21 | 14.65 | 30.67   | 14.66 | 33.59   | 15.26 | 36.51 | 9.12  |
|     | 55                       | 20.90                       | 13.04 | 23.69   | 13.92 | 26.47   | 14.57 | 27.87 | 14.28 | 29.26   | 14.30 | 32.05   | 14.88 | 34.83 | 8.89  |
| 80% | -15                      | 20.81                       | 4.47  | 23.70   | 4.79  | 29.71   | 5.63  | 32.61 | 5.75  | 35.61   | 5.99  | 41.28   | 6.60  | 46.59 | 4.09  |
|     | -10                      | 20.81                       | 4.98  | 23.70   | 5.35  | 29.71   | 6.28  | 32.61 | 6.41  | 35.61   | 6.68  | 41.28   | 7.36  | 46.59 | 4.56  |
|     | -5                       | 20.81                       | 5.51  | 23.70   | 5.91  | 29.71   | 6.94  | 32.61 | 7.09  | 35.61   | 7.38  | 41.28   | 8.13  | 46.59 | 5.04  |
|     | -2                       | 20.81                       | 5.82  | 23.70   | 6.25  | 29.71   | 7.34  | 32.61 | 7.50  | 35.61   | 7.81  | 41.28   | 8.60  | 46.59 | 5.33  |
|     | 0                        | 20.81                       | 6.04  | 23.70   | 6.48  | 29.71   | 7.61  | 32.61 | 7.77  | 35.61   | 8.09  | 41.28   | 8.92  | 46.59 | 5.53  |
|     | 2                        | 20.81                       | 6.25  | 23.70   | 6.71  | 29.71   | 7.88  | 32.61 | 8.05  | 35.61   | 8.38  | 41.28   | 9.23  | 46.59 | 5.73  |
|     | 4                        | 20.81                       | 6.47  | 23.70   | 6.94  | 29.71   | 8.15  | 32.61 | 8.33  | 35.61   | 8.67  | 41.28   | 9.55  | 46.59 | 5.92  |
|     | 6                        | 20.81                       | 6.69  | 23.70   | 7.18  | 29.71   | 8.43  | 32.61 | 8.61  | 35.61   | 8.96  | 41.28   | 9.88  | 46.59 | 6.12  |
|     | 8                        | 20.81                       | 6.91  | 23.70   | 7.41  | 29.71   | 8.70  | 32.61 | 8.89  | 35.61   | 9.26  | 41.28   | 10.20 | 46.59 | 6.33  |
|     | 10                       | 20.81                       | 7.13  | 23.70   | 7.65  | 29.71   | 8.98  | 32.61 | 9.17  | 35.61   | 9.55  | 41.28   | 10.53 | 46.59 | 6.53  |
|     | 12                       | 20.81                       | 7.35  | 23.70   | 7.89  | 29.71   | 9.26  | 32.61 | 9.46  | 35.61   | 9.85  | 41.28   | 10.85 | 46.59 | 6.73  |
|     | 14                       | 20.81                       | 7.57  | 23.70   | 8.13  | 29.71   | 9.54  | 32.61 | 9.75  | 35.61   | 10.15 | 41.28   | 11.18 | 46.59 | 6.94  |
|     | 16                       | 20.81                       | 7.80  | 23.70   | 8.37  | 29.71   | 9.83  | 32.61 | 10.04 | 35.61   | 10.45 | 41.28   | 11.52 | 46.59 | 7.14  |
|     | 18                       | 20.81                       | 8.03  | 23.70   | 8.61  | 29.71   | 10.11 | 32.61 | 10.33 | 35.61   | 10.76 | 41.28   | 11.85 | 46.59 | 7.35  |
|     | 20                       | 20.81                       | 8.25  | 23.70   | 8.86  | 29.71   | 10.40 | 32.61 | 10.62 | 35.61   | 11.06 | 41.28   | 12.19 | 46.59 | 7.56  |
|     | 21                       | 20.81                       | 8.37  | 23.70   | 8.98  | 29.71   | 10.54 | 32.61 | 10.77 | 35.61   | 11.22 | 41.28   | 12.36 | 46.59 | 7.66  |
|     | 23                       | 20.81                       | 8.60  | 23.70   | 9.23  | 29.71   | 10.83 | 32.61 | 11.07 | 35.61   | 11.52 | 41.28   | 12.70 | 46.59 | 7.87  |
|     | 25                       | 20.81                       | 8.83  | 23.70   | 9.47  | 29.71   | 11.13 | 32.61 | 11.37 | 35.61   | 11.84 | 41.28   | 13.04 | 46.59 | 8.09  |
|     | 27                       | 20.81                       | 9.06  | 23.70   | 9.72  | 29.71   | 11.42 | 32.61 | 11.67 | 35.61   | 12.15 | 41.28   | 13.38 | 46.59 | 8.30  |
|     | 29                       | 20.81                       | 9.30  | 23.70   | 9.98  | 29.71   | 11.72 | 32.61 | 11.97 | 35.61   | 12.46 | 41.28   | 13.73 | 46.59 | 8.52  |
|     | 31                       | 20.81                       | 9.53  | 23.70   | 10.23 | 29.71   | 12.01 | 32.61 | 12.27 | 35.61   | 12.78 | 41.28   | 14.08 | 46.59 | 8.73  |
|     | 33                       | 20.81                       | 9.77  | 23.70   | 10.49 | 29.71   | 12.31 | 32.61 | 12.58 | 35.61   | 13.10 | 41.28   | 14.43 | 46.59 | 8.95  |
|     | 35                       | 20.81                       | 10.01 | 23.70   | 10.74 | 29.71   | 12.62 | 32.61 | 12.89 | 35.61   | 13.42 | 41.28   | 14.79 | 46.59 | 9.17  |
|     | 37                       | 20.81                       | 10.26 | 23.70   | 11.01 | 29.71   | 12.93 | 32.61 | 13.21 | 35.61   | 13.76 | 41.28   | 15.16 | 46.59 | 9.40  |
|     | 39                       | 20.81                       | 10.52 | 23.70   | 11.29 | 29.71   | 13.25 | 32.61 | 13.54 | 35.61   | 14.10 | 40.48   | 15.23 | 44.00 | 9.10  |
|     | 41                       | 20.81                       | 10.77 | 23.70   | 11.56 | 29.71   | 13.58 | 32.61 | 13.87 | 34.92   | 14.16 | 37.72   | 14.54 | 41.00 | 8.68  |
|     | 43                       | 20.81                       | 11.03 | 23.70   | 11.84 | 29.71   | 13.90 | 31.90 | 13.89 | 32.52   | 13.50 | 35.62   | 14.06 | 38.71 | 8.39  |
|     | 46                       | 20.81                       | 11.29 | 23.70   | 12.11 | 28.99   | 13.88 | 30.51 | 13.60 | 32.04   | 13.62 | 35.09   | 14.17 | 38.14 | 8.47  |
|     | 48                       | 20.81                       | 11.68 | 23.70   | 12.54 | 27.27   | 13.51 | 28.70 | 13.24 | 30.14   | 13.25 | 33.01   | 13.79 | 35.88 | 8.24  |
|     | 50                       | 20.62                       | 11.84 | 23.37   | 12.64 | 26.12   | 13.23 | 27.49 | 12.96 | 28.87   | 12.98 | 31.62   | 13.51 | 34.36 | 8.07  |
|     | 52                       | 19.71                       | 11.57 | 22.34   | 12.35 | 24.97   | 12.93 | 26.28 | 12.67 | 27.60   | 12.68 | 30.23   | 13.20 | 32.85 | 7.89  |
|     | 55                       | 18.81                       | 11.28 | 21.31   | 12.04 | 23.82   | 12.61 | 25.08 | 12.35 | 26.33   | 12.37 | 28.84   | 12.87 | 31.34 | 7.69  |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.4:14HP cooling capacity(continued)

| CR  | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |      |         |       |         |       |       |       |         |       |         |       |       |      |
|-----|--------------------------|-----------------------------|------|---------|-------|---------|-------|-------|-------|---------|-------|---------|-------|-------|------|
|     |                          | 20.8/14                     |      | 23.3/16 |       | 25.8/18 |       | 27/19 |       | 28.2/20 |       | 30.7/22 |       | 32/24 |      |
|     |                          | TC                          | PI   | TC      | PI    | TC      | PI    | TC    | PI    | TC      | PI    | TC      | PI    | TC    | PI   |
| 70% | -15                      | 18.15                       | 3.72 | 20.81   | 4.02  | 26.02   | 4.71  | 28.56 | 4.81  | 31.10   | 5.00  | 36.30   | 5.54  | 40.81 | 3.42 |
|     | -10                      | 18.15                       | 4.15 | 20.81   | 4.49  | 26.02   | 5.25  | 28.56 | 5.37  | 31.10   | 5.57  | 36.30   | 6.18  | 40.81 | 3.82 |
|     | -5                       | 18.15                       | 4.59 | 20.81   | 4.96  | 26.02   | 5.81  | 28.56 | 5.93  | 31.10   | 6.16  | 36.30   | 6.83  | 40.81 | 4.22 |
|     | -2                       | 18.15                       | 4.85 | 20.81   | 5.24  | 26.02   | 6.14  | 28.56 | 6.27  | 31.10   | 6.51  | 36.30   | 7.23  | 40.81 | 4.46 |
|     | 0                        | 18.15                       | 5.03 | 20.81   | 5.44  | 26.02   | 6.37  | 28.56 | 6.50  | 31.10   | 6.75  | 36.30   | 7.49  | 40.81 | 4.63 |
|     | 2                        | 18.15                       | 5.21 | 20.81   | 5.63  | 26.02   | 6.59  | 28.56 | 6.74  | 31.10   | 6.99  | 36.30   | 7.76  | 40.81 | 4.79 |
|     | 4                        | 18.15                       | 5.39 | 20.81   | 5.82  | 26.02   | 6.82  | 28.56 | 6.97  | 31.10   | 7.24  | 36.30   | 8.03  | 40.81 | 4.96 |
|     | 6                        | 18.15                       | 5.57 | 20.81   | 6.02  | 26.02   | 7.05  | 28.56 | 7.20  | 31.10   | 7.48  | 36.30   | 8.30  | 40.81 | 5.13 |
|     | 8                        | 18.15                       | 5.76 | 20.81   | 6.22  | 26.02   | 7.28  | 28.56 | 7.44  | 31.10   | 7.73  | 36.30   | 8.57  | 40.81 | 5.29 |
|     | 10                       | 18.15                       | 5.94 | 20.81   | 6.42  | 26.02   | 7.52  | 28.56 | 7.68  | 31.10   | 7.97  | 36.30   | 8.84  | 40.81 | 5.46 |
|     | 12                       | 18.15                       | 6.12 | 20.81   | 6.62  | 26.02   | 7.75  | 28.56 | 7.92  | 31.10   | 8.22  | 36.30   | 9.12  | 40.81 | 5.63 |
|     | 14                       | 18.15                       | 6.31 | 20.81   | 6.82  | 26.02   | 7.99  | 28.56 | 8.16  | 31.10   | 8.47  | 36.30   | 9.40  | 40.81 | 5.80 |
|     | 16                       | 18.15                       | 6.50 | 20.81   | 7.02  | 26.02   | 8.22  | 28.56 | 8.40  | 31.10   | 8.72  | 36.30   | 9.68  | 40.81 | 5.98 |
|     | 18                       | 18.15                       | 6.69 | 20.81   | 7.22  | 26.02   | 8.46  | 28.56 | 8.64  | 31.10   | 8.98  | 36.30   | 9.96  | 40.81 | 6.15 |
|     | 20                       | 18.15                       | 6.88 | 20.81   | 7.43  | 26.02   | 8.70  | 28.56 | 8.89  | 31.10   | 9.23  | 36.30   | 10.24 | 40.81 | 6.33 |
|     | 21                       | 18.15                       | 6.97 | 20.81   | 7.53  | 26.02   | 8.82  | 28.56 | 9.01  | 31.10   | 9.36  | 36.30   | 10.38 | 40.81 | 6.41 |
|     | 23                       | 18.15                       | 7.17 | 20.81   | 7.74  | 26.02   | 9.07  | 28.56 | 9.26  | 31.10   | 9.62  | 36.30   | 10.67 | 40.81 | 6.59 |
|     | 25                       | 18.15                       | 7.36 | 20.81   | 7.95  | 26.02   | 9.31  | 28.56 | 9.51  | 31.10   | 9.88  | 36.30   | 10.96 | 40.81 | 6.77 |
|     | 27                       | 18.15                       | 7.55 | 20.81   | 8.16  | 26.02   | 9.56  | 28.56 | 9.76  | 31.10   | 10.14 | 36.30   | 11.25 | 40.81 | 6.95 |
|     | 29                       | 18.15                       | 7.75 | 20.81   | 8.37  | 26.02   | 9.80  | 28.56 | 10.02 | 31.10   | 10.40 | 36.30   | 11.54 | 40.81 | 7.13 |
|     | 31                       | 18.15                       | 7.95 | 20.81   | 8.58  | 26.02   | 10.05 | 28.56 | 10.27 | 31.10   | 10.66 | 36.30   | 11.83 | 40.81 | 7.31 |
|     | 33                       | 18.15                       | 8.14 | 20.81   | 8.80  | 26.02   | 10.30 | 28.56 | 10.53 | 31.10   | 10.93 | 36.30   | 12.13 | 40.81 | 7.49 |
|     | 35                       | 18.15                       | 8.34 | 20.81   | 9.01  | 26.02   | 10.56 | 28.56 | 10.78 | 31.10   | 11.20 | 36.30   | 12.42 | 40.81 | 7.67 |
|     | 37                       | 18.15                       | 8.55 | 20.81   | 9.24  | 26.02   | 10.82 | 28.56 | 11.06 | 31.10   | 11.48 | 36.30   | 12.74 | 40.81 | 7.87 |
|     | 39                       | 18.15                       | 8.77 | 20.81   | 9.47  | 26.02   | 11.09 | 28.56 | 11.33 | 31.10   | 11.76 | 36.30   | 13.05 | 40.81 | 8.06 |
|     | 41                       | 18.15                       | 8.98 | 20.81   | 9.70  | 26.02   | 11.36 | 28.56 | 11.61 | 31.10   | 12.05 | 36.30   | 13.37 | 40.81 | 8.26 |
|     | 43                       | 18.15                       | 9.19 | 20.81   | 9.93  | 26.02   | 11.63 | 28.56 | 11.88 | 31.10   | 12.34 | 34.96   | 13.18 | 38.00 | 7.87 |
|     | 46                       | 18.15                       | 9.41 | 20.81   | 10.16 | 26.02   | 11.91 | 28.00 | 11.92 | 29.40   | 11.94 | 32.20   | 12.43 | 35.00 | 7.42 |
|     | 48                       | 18.15                       | 9.74 | 20.81   | 10.52 | 24.15   | 11.43 | 25.42 | 11.20 | 26.69   | 11.21 | 29.23   | 11.67 | 31.77 | 6.97 |
|     | 50                       | 18.15                       | 9.96 | 20.70   | 10.70 | 23.13   | 11.20 | 24.35 | 10.97 | 25.57   | 10.98 | 28.00   | 11.43 | 30.44 | 6.83 |
|     | 52                       | 17.46                       | 9.79 | 19.79   | 10.45 | 22.11   | 10.94 | 23.28 | 10.72 | 24.44   | 10.73 | 26.77   | 11.17 | 29.10 | 6.67 |
|     | 55                       | 16.66                       | 9.54 | 18.88   | 10.19 | 21.10   | 10.67 | 22.21 | 10.45 | 23.32   | 10.46 | 25.54   | 10.89 | 27.76 | 6.51 |
| 60% | -15                      | 15.61                       | 3.04 | 17.80   | 3.26  | 22.20   | 3.81  | 24.51 | 3.92  | 26.71   | 4.07  | 31.10   | 4.51  | 35.61 | 2.83 |
|     | -10                      | 15.61                       | 3.39 | 17.80   | 3.64  | 22.20   | 4.25  | 24.51 | 4.37  | 26.71   | 4.54  | 31.10   | 5.02  | 35.61 | 3.16 |
|     | -5                       | 15.61                       | 3.74 | 17.80   | 4.02  | 22.20   | 4.70  | 24.51 | 4.83  | 26.71   | 5.02  | 31.10   | 5.55  | 35.61 | 3.49 |
|     | -2                       | 15.61                       | 3.96 | 17.80   | 4.25  | 22.20   | 4.97  | 24.51 | 5.11  | 26.71   | 5.31  | 31.10   | 5.87  | 35.61 | 3.69 |
|     | 0                        | 15.61                       | 4.10 | 17.80   | 4.41  | 22.20   | 5.15  | 24.51 | 5.29  | 26.71   | 5.50  | 31.10   | 6.09  | 35.61 | 3.83 |
|     | 2                        | 15.61                       | 4.25 | 17.80   | 4.57  | 22.20   | 5.34  | 24.51 | 5.48  | 26.71   | 5.70  | 31.10   | 6.30  | 35.61 | 3.97 |
|     | 4                        | 15.61                       | 4.40 | 17.80   | 4.72  | 22.20   | 5.52  | 24.51 | 5.67  | 26.71   | 5.89  | 31.10   | 6.52  | 35.61 | 4.10 |
|     | 6                        | 15.61                       | 4.55 | 17.80   | 4.88  | 22.20   | 5.71  | 24.51 | 5.86  | 26.71   | 6.09  | 31.10   | 6.74  | 35.61 | 4.24 |
|     | 8                        | 15.61                       | 4.70 | 17.80   | 5.04  | 22.20   | 5.89  | 24.51 | 6.06  | 26.71   | 6.29  | 31.10   | 6.96  | 35.61 | 4.38 |
|     | 10                       | 15.61                       | 4.85 | 17.80   | 5.21  | 22.20   | 6.08  | 24.51 | 6.25  | 26.71   | 6.49  | 31.10   | 7.19  | 35.61 | 4.52 |
|     | 12                       | 15.61                       | 2.90 | 17.80   | 3.11  | 22.20   | 3.64  | 24.51 | 3.74  | 26.71   | 3.89  | 31.10   | 4.30  | 35.61 | 4.66 |
|     | 14                       | 15.61                       | 2.99 | 17.80   | 3.21  | 22.20   | 3.75  | 24.51 | 3.85  | 26.71   | 4.00  | 31.10   | 4.43  | 35.61 | 4.80 |
|     | 16                       | 15.61                       | 3.08 | 17.80   | 3.30  | 22.20   | 3.86  | 24.51 | 3.97  | 26.71   | 4.12  | 31.10   | 4.56  | 35.61 | 4.95 |
|     | 18                       | 15.61                       | 3.17 | 17.80   | 3.40  | 22.20   | 3.97  | 24.51 | 4.08  | 26.71   | 4.24  | 31.10   | 4.70  | 35.61 | 5.09 |
|     | 20                       | 15.61                       | 3.26 | 17.80   | 3.50  | 22.20   | 4.09  | 24.51 | 4.20  | 26.71   | 4.36  | 31.10   | 4.83  | 35.61 | 5.24 |
|     | 21                       | 15.61                       | 3.30 | 17.80   | 3.55  | 22.20   | 4.14  | 24.51 | 4.26  | 26.71   | 4.42  | 31.10   | 4.90  | 35.61 | 5.31 |
|     | 23                       | 15.61                       | 3.39 | 17.80   | 3.64  | 22.20   | 4.26  | 24.51 | 4.37  | 26.71   | 4.55  | 31.10   | 5.03  | 35.61 | 5.45 |
|     | 25                       | 15.61                       | 3.48 | 17.80   | 3.74  | 22.20   | 4.37  | 24.51 | 4.49  | 26.71   | 4.67  | 31.10   | 5.17  | 35.61 | 5.60 |
|     | 27                       | 15.61                       | 3.58 | 17.80   | 3.84  | 22.20   | 4.49  | 24.51 | 4.61  | 26.71   | 4.79  | 31.10   | 5.30  | 35.61 | 5.75 |
|     | 29                       | 15.61                       | 3.67 | 17.80   | 3.94  | 22.20   | 4.60  | 24.51 | 4.73  | 26.71   | 4.92  | 31.10   | 5.44  | 35.61 | 5.90 |
|     | 31                       | 15.61                       | 3.76 | 17.80   | 4.04  | 22.20   | 4.72  | 24.51 | 4.85  | 26.71   | 5.04  | 31.10   | 5.58  | 35.61 | 6.05 |
|     | 33                       | 15.61                       | 3.85 | 17.80   | 4.14  | 22.20   | 4.84  | 24.51 | 4.97  | 26.71   | 5.17  | 31.10   | 5.72  | 35.61 | 6.20 |
|     | 35                       | 15.61                       | 3.95 | 17.80   | 4.24  | 22.20   | 4.96  | 24.51 | 5.09  | 26.71   | 5.29  | 31.10   | 5.86  | 35.61 | 6.35 |
|     | 37                       | 15.61                       | 4.05 | 17.80   | 4.35  | 22.20   | 5.08  | 24.51 | 5.22  | 26.71   | 5.43  | 31.10   | 6.01  | 35.61 | 6.51 |
|     | 39                       | 15.61                       | 4.15 | 17.80   | 4.46  | 22.20   | 5.21  | 24.51 | 5.35  | 26.71   | 5.56  | 31.10   | 6.15  | 35.61 | 6.67 |
|     | 41                       | 15.61                       | 4.25 | 17.80   | 4.57  | 22.20   | 5.33  | 24.51 | 5.48  | 26.71   | 5.70  | 31.10   | 6.30  | 35.61 | 6.83 |
|     | 43                       | 15.61                       | 4.35 | 17.80   | 4.67  | 22.20   | 5.46  | 24.51 | 5.61  | 26.71   | 5.83  | 31.10   | 6.45  | 35.61 | 7.00 |
|     | 46                       | 15.61                       | 4.45 | 17.80   | 4.78  | 22.20   | 5.59  | 24.51 | 5.74  | 26.71   | 5.97  | 31.10   | 6.61  | 35.00 | 7.04 |
|     | 48                       | 15.61                       | 4.61 | 17.80   | 4.95  | 22.20   | 5.78  | 24.40 | 5.92  | 25.62   | 5.92  | 28.06   | 6.17  | 30.50 | 6.35 |
|     | 50                       | 15.61                       | 4.71 | 17.80   | 5.06  | 20.90   | 5.57  | 22.00 | 5.46  | 23.10   | 5.46  | 25.30   | 5.69  | 27.50 | 5.85 |
|     | 52                       | 15.15                       | 4.67 | 17.16   | 4.99  | 19.18   | 5.22  | 20.19 | 5.12  | 21.20   | 5.12  | 23.22   | 5.33  | 25.24 | 5.49 |
|     | 55                       | 14.45                       | 4.56 | 16.38   | 4.86  | 18.30   | 5.09  | 19.27 | 4.99  | 20.23   | 5.00  | 22.15   | 5.20  | 24.08 | 5.35 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

# V8 PRO VRF 50Hz



Table2-8.4:14HP cooling capacity(continued)

| CR  | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |      |         |      |         |      |       |      |         |      |         |      |       |      |
|-----|--------------------------|-----------------------------|------|---------|------|---------|------|-------|------|---------|------|---------|------|-------|------|
|     |                          | 20.8/14                     |      | 23.3/16 |      | 25.8/18 |      | 27/19 |      | 28.2/20 |      | 30.7/22 |      | 32/24 |      |
|     |                          | TC                          | PI   | TC      | PI   | TC      | PI   | TC    | PI   | TC      | PI   | TC      | PI   | TC    | PI   |
| 50% | -15                      | 12.95                       | 1.37 | 14.80   | 1.48 | 18.49   | 1.73 | 20.35 | 1.77 | 22.20   | 1.85 | 26.02   | 2.06 | 29.71 | 2.22 |
|     | -10                      | 12.95                       | 1.53 | 14.80   | 1.65 | 18.49   | 1.93 | 20.35 | 1.98 | 22.20   | 2.06 | 26.02   | 2.29 | 29.71 | 2.48 |
|     | -5                       | 12.95                       | 1.69 | 14.80   | 1.82 | 18.49   | 2.13 | 20.35 | 2.19 | 22.20   | 2.27 | 26.02   | 2.53 | 29.71 | 2.74 |
|     | -2                       | 12.95                       | 1.79 | 14.80   | 1.93 | 18.49   | 2.26 | 20.35 | 2.31 | 22.20   | 2.41 | 26.02   | 2.68 | 29.71 | 2.90 |
|     | 0                        | 12.95                       | 1.86 | 14.80   | 2.00 | 18.49   | 2.34 | 20.35 | 2.40 | 22.20   | 2.49 | 26.02   | 2.78 | 29.71 | 3.00 |
|     | 2                        | 12.95                       | 1.92 | 14.80   | 2.07 | 18.49   | 2.42 | 20.35 | 2.48 | 22.20   | 2.58 | 26.02   | 2.88 | 29.71 | 3.11 |
|     | 4                        | 12.95                       | 1.99 | 14.80   | 2.14 | 18.49   | 2.51 | 20.35 | 2.57 | 22.20   | 2.67 | 26.02   | 2.98 | 29.71 | 3.22 |
|     | 6                        | 12.95                       | 2.06 | 14.80   | 2.21 | 18.49   | 2.59 | 20.35 | 2.66 | 22.20   | 2.76 | 26.02   | 3.08 | 29.71 | 3.33 |
|     | 8                        | 12.95                       | 2.12 | 14.80   | 2.29 | 18.49   | 2.68 | 20.35 | 2.74 | 22.20   | 2.85 | 26.02   | 3.18 | 29.71 | 3.44 |
|     | 10                       | 12.95                       | 2.19 | 14.80   | 2.36 | 18.49   | 2.76 | 20.35 | 2.83 | 22.20   | 2.94 | 26.02   | 3.28 | 29.71 | 3.55 |
|     | 12                       | 12.95                       | 2.26 | 14.80   | 2.43 | 18.49   | 2.85 | 20.35 | 2.92 | 22.20   | 3.04 | 26.02   | 3.38 | 29.71 | 3.66 |
|     | 14                       | 12.95                       | 2.33 | 14.80   | 2.51 | 18.49   | 2.94 | 20.35 | 3.01 | 22.20   | 3.13 | 26.02   | 3.48 | 29.71 | 3.77 |
|     | 16                       | 12.95                       | 2.40 | 14.80   | 2.58 | 18.49   | 3.02 | 20.35 | 3.10 | 22.20   | 3.22 | 26.02   | 3.59 | 29.71 | 3.88 |
|     | 18                       | 12.95                       | 2.47 | 14.80   | 2.66 | 18.49   | 3.11 | 20.35 | 3.19 | 22.20   | 3.31 | 26.02   | 3.69 | 29.71 | 3.99 |
|     | 20                       | 12.95                       | 2.54 | 14.80   | 2.73 | 18.49   | 3.20 | 20.35 | 3.28 | 22.20   | 3.41 | 26.02   | 3.80 | 29.71 | 4.11 |
|     | 21                       | 12.95                       | 2.57 | 14.80   | 2.77 | 18.49   | 3.24 | 20.35 | 3.32 | 22.20   | 3.46 | 26.02   | 3.85 | 29.71 | 4.16 |
|     | 23                       | 12.95                       | 2.64 | 14.80   | 2.85 | 18.49   | 3.33 | 20.35 | 3.41 | 22.20   | 3.55 | 26.02   | 3.96 | 29.71 | 4.28 |
|     | 25                       | 12.95                       | 2.72 | 14.80   | 2.92 | 18.49   | 3.42 | 20.35 | 3.51 | 22.20   | 3.65 | 26.02   | 4.06 | 29.71 | 4.39 |
|     | 27                       | 12.95                       | 2.79 | 14.80   | 3.00 | 18.49   | 3.51 | 20.35 | 3.60 | 22.20   | 3.74 | 26.02   | 4.17 | 29.71 | 4.51 |
|     | 29                       | 12.95                       | 2.86 | 14.80   | 3.08 | 18.49   | 3.60 | 20.35 | 3.69 | 22.20   | 3.84 | 26.02   | 4.28 | 29.71 | 4.63 |
|     | 31                       | 12.95                       | 2.93 | 14.80   | 3.16 | 18.49   | 3.70 | 20.35 | 3.79 | 22.20   | 3.94 | 26.02   | 4.39 | 29.71 | 4.74 |
|     | 33                       | 12.95                       | 3.01 | 14.80   | 3.24 | 18.49   | 3.79 | 20.35 | 3.88 | 22.20   | 4.04 | 26.02   | 4.50 | 29.71 | 4.86 |
|     | 35                       | 12.95                       | 3.08 | 14.80   | 3.32 | 18.49   | 3.88 | 20.35 | 3.98 | 22.20   | 4.14 | 26.02   | 4.61 | 29.71 | 4.98 |
|     | 37                       | 12.95                       | 3.16 | 14.80   | 3.40 | 18.49   | 3.98 | 20.35 | 4.08 | 22.20   | 4.24 | 26.02   | 4.72 | 29.71 | 5.11 |
|     | 39                       | 12.95                       | 3.24 | 14.80   | 3.48 | 18.49   | 4.08 | 20.35 | 4.18 | 22.20   | 4.34 | 26.02   | 4.84 | 29.71 | 5.23 |
|     | 41                       | 12.95                       | 3.31 | 14.80   | 3.57 | 18.49   | 4.18 | 20.35 | 4.28 | 22.20   | 4.45 | 26.02   | 4.96 | 29.71 | 5.36 |
|     | 43                       | 12.95                       | 3.39 | 14.80   | 3.65 | 18.49   | 4.28 | 20.35 | 4.38 | 22.20   | 4.56 | 26.02   | 5.08 | 29.71 | 5.49 |
|     | 46                       | 12.95                       | 3.47 | 14.80   | 3.74 | 18.49   | 4.38 | 20.35 | 4.48 | 22.20   | 4.66 | 26.02   | 5.20 | 29.71 | 5.62 |
|     | 48                       | 12.95                       | 3.59 | 14.80   | 3.87 | 18.49   | 4.53 | 20.35 | 4.64 | 22.20   | 4.83 | 26.02   | 5.38 | 29.71 | 5.81 |
|     | 50                       | 12.95                       | 3.67 | 14.80   | 3.96 | 18.49   | 4.63 | 20.35 | 4.74 | 22.20   | 4.93 | 25.30   | 5.34 | 27.50 | 5.50 |
|     | 52                       | 12.95                       | 3.76 | 14.80   | 4.04 | 18.49   | 4.73 | 19.60 | 4.67 | 20.58   | 4.68 | 22.54   | 4.87 | 24.50 | 5.01 |
|     | 55                       | 12.90                       | 3.82 | 14.62   | 4.08 | 16.34   | 4.27 | 17.20 | 4.19 | 18.06   | 4.19 | 19.78   | 4.36 | 21.50 | 4.49 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table2-8.5:16HP cooling capacity

| CR   | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |       |         |       |         |       |       |       |         |       |         |       |       |       |
|------|--------------------------|-----------------------------|-------|---------|-------|---------|-------|-------|-------|---------|-------|---------|-------|-------|-------|
|      |                          | 20.8/14                     |       | 23.3/16 |       | 25.8/18 |       | 27/19 |       | 28.2/20 |       | 30.7/22 |       | 32/24 |       |
|      |                          | TC                          | PI    | TC      | PI    | TC      | PI    | TC    | PI    | TC      | PI    | TC      | PI    | TC    | PI    |
| 130% | -15                      | 36.02                       | 7.85  | 41.20   | 8.46  | 50.52   | 9.72  | 55.82 | 9.99  | 60.65   | 10.35 | 65.72   | 10.66 | 67.21 | 5.53  |
|      | -10                      | 36.02                       | 8.87  | 41.20   | 9.55  | 50.52   | 10.98 | 55.82 | 11.29 | 60.65   | 11.69 | 65.72   | 12.04 | 67.21 | 6.24  |
|      | -5                       | 36.02                       | 9.90  | 41.20   | 10.67 | 50.52   | 12.25 | 55.82 | 12.60 | 60.65   | 13.05 | 65.72   | 13.44 | 67.21 | 6.97  |
|      | -2                       | 36.02                       | 10.53 | 41.20   | 11.34 | 50.52   | 13.03 | 55.82 | 13.40 | 60.65   | 13.88 | 65.72   | 14.30 | 67.21 | 7.41  |
|      | 0                        | 36.02                       | 10.95 | 41.20   | 11.80 | 50.52   | 13.55 | 55.82 | 13.94 | 60.65   | 14.44 | 65.72   | 14.87 | 67.21 | 7.71  |
|      | 2                        | 36.02                       | 11.37 | 41.20   | 12.25 | 50.52   | 14.08 | 55.82 | 14.48 | 60.65   | 15.00 | 65.72   | 15.45 | 67.21 | 8.01  |
|      | 4                        | 36.02                       | 11.80 | 41.20   | 12.72 | 50.52   | 14.61 | 55.82 | 15.02 | 60.65   | 15.56 | 65.72   | 16.03 | 67.21 | 8.31  |
|      | 6                        | 36.02                       | 12.23 | 41.20   | 13.18 | 50.52   | 15.14 | 55.82 | 15.57 | 60.65   | 16.13 | 65.72   | 16.61 | 67.21 | 8.61  |
|      | 8                        | 36.02                       | 12.66 | 41.20   | 13.65 | 50.52   | 15.68 | 55.82 | 16.12 | 60.65   | 16.70 | 65.72   | 17.20 | 67.21 | 8.92  |
|      | 10                       | 36.02                       | 13.10 | 41.20   | 14.11 | 50.52   | 16.21 | 55.82 | 16.67 | 60.65   | 17.27 | 65.72   | 17.79 | 67.21 | 9.22  |
|      | 12                       | 36.02                       | 13.54 | 41.20   | 14.59 | 50.52   | 16.76 | 55.82 | 17.23 | 60.65   | 17.85 | 65.72   | 18.39 | 67.21 | 9.53  |
|      | 14                       | 36.02                       | 13.98 | 41.20   | 15.06 | 50.52   | 17.30 | 55.82 | 17.79 | 60.65   | 18.44 | 65.72   | 18.99 | 67.21 | 9.84  |
|      | 16                       | 36.02                       | 14.42 | 41.20   | 15.54 | 50.52   | 17.85 | 55.82 | 18.36 | 60.65   | 19.02 | 65.72   | 19.59 | 67.21 | 10.15 |
|      | 18                       | 36.02                       | 14.87 | 41.20   | 16.02 | 50.52   | 18.41 | 55.82 | 18.93 | 60.65   | 19.61 | 65.72   | 20.20 | 67.21 | 10.47 |
|      | 20                       | 36.02                       | 15.32 | 41.20   | 16.51 | 50.52   | 18.96 | 55.82 | 19.50 | 60.65   | 20.20 | 65.72   | 20.81 | 67.21 | 10.79 |
|      | 21                       | 36.02                       | 15.55 | 41.20   | 16.75 | 50.52   | 19.24 | 55.82 | 19.79 | 60.65   | 20.50 | 65.72   | 21.12 | 67.21 | 10.95 |
|      | 23                       | 36.02                       | 16.00 | 41.20   | 17.24 | 50.52   | 19.81 | 55.82 | 20.37 | 60.65   | 21.10 | 65.72   | 21.73 | 67.21 | 11.27 |
|      | 25                       | 36.02                       | 16.46 | 41.20   | 17.73 | 50.52   | 20.37 | 55.82 | 20.95 | 60.65   | 21.71 | 65.72   | 22.35 | 67.21 | 11.59 |
|      | 27                       | 36.02                       | 16.92 | 41.20   | 18.23 | 50.52   | 20.94 | 55.82 | 21.54 | 60.65   | 22.31 | 65.72   | 22.98 | 67.21 | 11.91 |
|      | 29                       | 36.02                       | 17.38 | 41.20   | 18.73 | 50.52   | 21.52 | 55.82 | 22.13 | 60.65   | 22.92 | 65.72   | 23.61 | 67.21 | 12.24 |
|      | 31                       | 36.02                       | 17.85 | 41.20   | 19.23 | 50.52   | 22.09 | 55.82 | 22.72 | 59.30   | 23.02 | 64.95   | 23.96 | 67.21 | 12.57 |
|      | 33                       | 36.02                       | 18.32 | 41.20   | 19.74 | 49.96   | 22.42 | 52.59 | 21.97 | 55.21   | 21.99 | 60.47   | 22.89 | 65.73 | 12.61 |
|      | 35                       | 36.02                       | 18.79 | 41.20   | 20.25 | 48.11   | 22.15 | 48.69 | 20.86 | 51.12   | 20.89 | 55.99   | 21.74 | 60.86 | 11.98 |
|      | 37                       | 36.02                       | 19.22 | 40.40   | 20.31 | 45.08   | 21.24 | 47.46 | 20.81 | 49.83   | 20.83 | 54.58   | 21.68 | 59.32 | 11.95 |
|      | 39                       | 35.45                       | 19.35 | 40.40   | 20.77 | 44.33   | 21.36 | 46.67 | 20.92 | 49.00   | 20.95 | 53.67   | 21.81 | 58.33 | 12.01 |
|      | 41                       | 35.45                       | 19.78 | 38.99   | 20.50 | 43.58   | 21.46 | 45.87 | 21.03 | 48.17   | 21.05 | 52.75   | 21.92 | 57.34 | 12.07 |
|      | 43                       | 33.81                       | 19.28 | 38.32   | 20.59 | 42.83   | 21.56 | 45.08 | 21.12 | 47.33   | 21.15 | 51.84   | 22.01 | 56.35 | 12.13 |
|      | 46                       | 33.22                       | 19.35 | 37.65   | 20.67 | 42.07   | 21.64 | 44.29 | 21.20 | 46.50   | 21.22 | 50.93   | 22.09 | 55.36 | 12.17 |
|      | 48                       | 30.60                       | 18.40 | 34.68   | 19.65 | 38.76   | 20.58 | 40.80 | 20.16 | 42.84   | 20.18 | 46.92   | 21.01 | 51.00 | 11.57 |
|      | 50                       | 28.86                       | 17.72 | 32.71   | 18.92 | 36.56   | 19.81 | 38.48 | 19.41 | 40.40   | 19.43 | 44.25   | 20.23 | 48.10 | 11.14 |
|      | 52                       | 27.12                       | 16.99 | 30.73   | 18.14 | 34.35   | 19.00 | 36.16 | 18.61 | 37.97   | 18.63 | 41.58   | 19.40 | 45.20 | 10.69 |
|      | 55                       | 25.38                       | 16.22 | 28.76   | 17.32 | 32.14   | 18.14 | 33.83 | 17.77 | 35.53   | 17.79 | 38.91   | 18.52 | 42.29 | 10.20 |
| 120% | -15                      | 33.84                       | 7.68  | 38.67   | 8.27  | 47.53   | 9.52  | 52.25 | 9.74  | 57.08   | 10.15 | 64.10   | 10.83 | 65.72 | 5.63  |
|      | -10                      | 33.84                       | 8.68  | 38.67   | 9.34  | 47.53   | 10.76 | 52.25 | 11.00 | 57.08   | 11.46 | 64.10   | 12.23 | 65.72 | 6.36  |
|      | -5                       | 33.84                       | 9.69  | 38.67   | 10.43 | 47.53   | 12.01 | 52.25 | 12.29 | 57.08   | 12.80 | 64.10   | 13.66 | 65.72 | 7.10  |
|      | -2                       | 33.84                       | 10.30 | 38.67   | 11.09 | 47.53   | 12.77 | 52.25 | 13.06 | 57.08   | 13.61 | 64.10   | 14.52 | 65.72 | 7.55  |
|      | 0                        | 33.84                       | 10.71 | 38.67   | 11.53 | 47.53   | 13.28 | 52.25 | 13.59 | 57.08   | 14.15 | 64.10   | 15.11 | 65.72 | 7.85  |
|      | 2                        | 33.84                       | 11.13 | 38.67   | 11.98 | 47.53   | 13.80 | 52.25 | 14.11 | 57.08   | 14.70 | 64.10   | 15.69 | 65.72 | 8.16  |
|      | 4                        | 33.84                       | 11.55 | 38.67   | 12.43 | 47.53   | 14.31 | 52.25 | 14.64 | 57.08   | 15.26 | 64.10   | 16.28 | 65.72 | 8.46  |
|      | 6                        | 33.84                       | 11.97 | 38.67   | 12.88 | 47.53   | 14.84 | 52.25 | 15.18 | 57.08   | 15.81 | 64.10   | 16.88 | 65.72 | 8.77  |
|      | 8                        | 33.84                       | 12.39 | 38.67   | 13.34 | 47.53   | 15.36 | 52.25 | 15.72 | 57.08   | 16.37 | 64.10   | 17.47 | 65.72 | 9.08  |
|      | 10                       | 33.84                       | 12.82 | 38.67   | 13.80 | 47.53   | 15.89 | 52.25 | 16.26 | 57.08   | 16.93 | 64.10   | 18.07 | 65.72 | 9.39  |
|      | 12                       | 33.84                       | 13.25 | 38.67   | 14.26 | 47.53   | 16.42 | 52.25 | 16.80 | 57.08   | 17.50 | 64.10   | 18.68 | 65.72 | 9.71  |
|      | 14                       | 33.84                       | 13.68 | 38.67   | 14.73 | 47.53   | 16.96 | 52.25 | 17.35 | 57.08   | 18.07 | 64.10   | 19.29 | 65.72 | 10.02 |
|      | 16                       | 33.84                       | 14.11 | 38.67   | 15.19 | 47.53   | 17.50 | 52.25 | 17.90 | 57.08   | 18.65 | 64.10   | 19.90 | 65.72 | 10.34 |
|      | 18                       | 33.84                       | 14.55 | 38.67   | 15.66 | 47.53   | 18.04 | 52.25 | 18.46 | 57.08   | 19.22 | 64.10   | 20.52 | 65.72 | 10.66 |
|      | 20                       | 33.84                       | 14.99 | 38.67   | 16.14 | 47.53   | 18.58 | 52.25 | 19.01 | 57.08   | 19.81 | 64.10   | 21.14 | 65.72 | 10.99 |
|      | 21                       | 33.84                       | 15.21 | 38.67   | 16.38 | 47.53   | 18.86 | 52.25 | 19.29 | 57.08   | 20.10 | 64.10   | 21.45 | 65.72 | 11.15 |
|      | 23                       | 33.84                       | 15.66 | 38.67   | 16.86 | 47.53   | 19.41 | 52.25 | 19.86 | 57.08   | 20.69 | 64.10   | 22.08 | 65.72 | 11.47 |
|      | 25                       | 33.84                       | 16.10 | 38.67   | 17.34 | 47.53   | 19.96 | 52.25 | 20.43 | 57.08   | 21.28 | 64.10   | 22.71 | 65.72 | 11.80 |
|      | 27                       | 33.84                       | 16.55 | 38.67   | 17.82 | 47.53   | 20.52 | 52.25 | 21.00 | 57.08   | 21.87 | 64.10   | 23.35 | 65.72 | 12.13 |
|      | 29                       | 33.84                       | 17.01 | 38.67   | 18.31 | 47.53   | 21.09 | 52.25 | 21.57 | 57.08   | 22.47 | 64.10   | 23.98 | 65.72 | 12.46 |
|      | 31                       | 33.84                       | 17.46 | 38.67   | 18.80 | 47.53   | 21.65 | 52.25 | 22.15 | 57.08   | 23.07 | 63.21   | 24.29 | 65.72 | 12.80 |
|      | 33                       | 33.84                       | 17.92 | 38.67   | 19.30 | 47.53   | 22.22 | 51.18 | 22.27 | 53.73   | 22.29 | 58.85   | 23.21 | 63.97 | 12.79 |
|      | 35                       | 33.84                       | 18.39 | 38.67   | 19.79 | 47.42   | 22.74 | 48.22 | 21.52 | 49.75   | 21.17 | 54.49   | 22.04 | 59.23 | 12.14 |
|      | 37                       | 33.84                       | 18.81 | 38.67   | 20.25 | 44.54   | 21.85 | 45.96 | 20.99 | 48.26   | 21.01 | 52.85   | 21.87 | 57.45 | 12.05 |
|      | 39                       | 33.84                       | 19.24 | 38.67   | 20.71 | 42.93   | 21.54 | 45.19 | 21.11 | 47.45   | 21.13 | 51.97   | 22.00 | 56.49 | 12.12 |
|      | 41                       | 33.84                       | 19.67 | 37.76   | 20.68 | 42.20   | 21.65 | 44.42 | 21.21 | 46.65   | 21.24 | 51.09   | 22.11 | 55.53 | 12.18 |
|      | 43                       | 32.80                       | 19.48 | 37.11   | 20.77 | 41.47   | 21.75 | 43.66 | 21.30 | 45.84   | 21.33 | 50.21   | 22.20 | 54.57 | 12.23 |
|      | 46                       | 32.17                       | 19.52 | 36.46   | 20.85 | 40.75   | 21.83 | 42.89 | 21.38 | 45.03   | 21.41 | 49.32   | 22.29 | 53.61 | 12.28 |
|      | 48                       | 29.64                       | 18.56 | 33.59   | 19.82 | 37.54   | 20.75 | 39.52 | 20.33 | 41.49   | 20.36 | 45.44   | 21.19 | 49.39 | 11.67 |
|      | 50                       | 27.95                       | 17.87 | 31.68   | 19.08 | 35.40   | 19.98 | 37.27 | 19.58 | 39.13   | 19.60 | 42.86   | 20.40 | 46.58 | 11.24 |
|      | 52                       | 26.26                       | 17.14 | 29.76   | 18.30 | 33.27   | 19.16 | 35.02 | 18.77 | 36.77   | 18.80 | 40.27   | 19.57 | 43.77 | 10.78 |
|      | 55                       | 24.57                       | 16.36 | 27.85   | 17.47 | 31.13   | 18.30 | 32.77 | 17.92 | 34.40   | 17.95 | 37.68   | 18.68 | 40.96 | 10.29 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

## V8 PRO VRF 50Hz



Table2-8.5:16HP cooling capacity(continued)

| CR   | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |       |         |       |         |       |       |       |         |       |         |       |       |       |
|------|--------------------------|-----------------------------|-------|---------|-------|---------|-------|-------|-------|---------|-------|---------|-------|-------|-------|
|      |                          | 20.8/14                     |       | 23.3/16 |       | 25.8/18 |       | 27/19 |       | 28.2/20 |       | 30.7/22 |       | 32/24 |       |
|      |                          | TC                          | PI    | TC      | PI    | TC      | PI    | TC    | PI    | TC      | PI    | TC      | PI    | TC    | PI    |
| 110% | -15                      | 31.53                       | 7.47  | 36.14   | 8.07  | 44.31   | 9.27  | 48.80 | 9.50  | 53.17   | 9.87  | 62.03   | 10.95 | 63.87 | 5.71  |
|      | -10                      | 31.53                       | 8.44  | 36.14   | 9.11  | 44.31   | 10.47 | 48.80 | 10.73 | 53.17   | 11.15 | 62.03   | 12.36 | 63.87 | 6.45  |
|      | -5                       | 31.53                       | 9.42  | 36.14   | 10.18 | 44.31   | 11.69 | 48.80 | 11.98 | 53.17   | 12.45 | 62.03   | 13.80 | 63.87 | 7.20  |
|      | -2                       | 31.53                       | 10.02 | 36.14   | 10.82 | 44.31   | 12.43 | 48.80 | 12.74 | 53.17   | 13.24 | 62.03   | 14.68 | 63.87 | 7.66  |
|      | 0                        | 31.53                       | 10.42 | 36.14   | 11.25 | 44.31   | 12.93 | 48.80 | 13.25 | 53.17   | 13.77 | 62.03   | 15.26 | 63.87 | 7.97  |
|      | 2                        | 31.53                       | 10.83 | 36.14   | 11.69 | 44.31   | 13.43 | 48.80 | 13.76 | 53.17   | 14.30 | 62.03   | 15.86 | 63.87 | 8.28  |
|      | 4                        | 31.53                       | 11.23 | 36.14   | 12.13 | 44.31   | 13.93 | 48.80 | 14.28 | 53.17   | 14.84 | 62.03   | 16.45 | 63.87 | 8.59  |
|      | 6                        | 31.53                       | 11.64 | 36.14   | 12.57 | 44.31   | 14.44 | 48.80 | 14.80 | 53.17   | 15.38 | 62.03   | 17.05 | 63.87 | 8.90  |
|      | 8                        | 31.53                       | 12.05 | 36.14   | 13.02 | 44.31   | 14.95 | 48.80 | 15.33 | 53.17   | 15.92 | 62.03   | 17.66 | 63.87 | 9.21  |
|      | 10                       | 31.53                       | 12.47 | 36.14   | 13.47 | 44.31   | 15.47 | 48.80 | 15.85 | 53.17   | 16.47 | 62.03   | 18.26 | 63.87 | 9.53  |
|      | 12                       | 31.53                       | 12.89 | 36.14   | 13.92 | 44.31   | 15.98 | 48.80 | 16.38 | 53.17   | 17.02 | 62.03   | 18.87 | 63.87 | 9.85  |
|      | 14                       | 31.53                       | 13.31 | 36.14   | 14.37 | 44.31   | 16.51 | 48.80 | 16.92 | 53.17   | 17.58 | 62.03   | 19.49 | 63.87 | 10.17 |
|      | 16                       | 31.53                       | 13.73 | 36.14   | 14.83 | 44.31   | 17.03 | 48.80 | 17.46 | 53.17   | 18.14 | 62.03   | 20.11 | 63.87 | 10.49 |
|      | 18                       | 31.53                       | 14.16 | 36.14   | 15.29 | 44.31   | 17.56 | 48.80 | 18.00 | 53.17   | 18.70 | 62.03   | 20.73 | 63.87 | 10.82 |
|      | 20                       | 31.53                       | 14.58 | 36.14   | 15.75 | 44.31   | 18.09 | 48.80 | 18.54 | 53.17   | 19.26 | 62.03   | 21.36 | 63.87 | 11.15 |
|      | 21                       | 31.53                       | 14.80 | 36.14   | 15.98 | 44.31   | 18.36 | 48.80 | 18.82 | 53.17   | 19.55 | 62.03   | 21.68 | 63.87 | 11.31 |
|      | 23                       | 31.53                       | 15.23 | 36.14   | 16.45 | 44.31   | 18.89 | 48.80 | 19.37 | 53.17   | 20.12 | 62.03   | 22.31 | 63.87 | 11.64 |
|      | 25                       | 31.53                       | 15.67 | 36.14   | 16.92 | 44.31   | 19.43 | 48.80 | 19.92 | 53.17   | 20.69 | 62.03   | 22.95 | 63.87 | 11.98 |
|      | 27                       | 31.53                       | 16.11 | 36.14   | 17.39 | 44.31   | 19.98 | 48.80 | 20.48 | 53.17   | 21.27 | 62.03   | 23.59 | 63.87 | 12.31 |
|      | 29                       | 31.53                       | 16.55 | 36.14   | 17.87 | 44.31   | 20.52 | 48.80 | 21.04 | 53.17   | 21.86 | 62.03   | 24.23 | 63.87 | 12.65 |
|      | 31                       | 31.53                       | 16.99 | 36.14   | 18.35 | 44.31   | 21.08 | 48.80 | 21.60 | 53.17   | 22.44 | 60.33   | 24.20 | 63.87 | 12.99 |
|      | 33                       | 31.53                       | 17.44 | 36.14   | 18.83 | 44.31   | 21.63 | 48.80 | 22.17 | 51.29   | 22.22 | 56.17   | 23.13 | 61.05 | 12.74 |
|      | 35                       | 31.53                       | 17.89 | 36.14   | 19.32 | 44.19   | 22.13 | 47.42 | 22.10 | 48.22   | 21.43 | 52.01   | 21.97 | 56.53 | 12.10 |
|      | 37                       | 31.53                       | 18.30 | 36.14   | 19.76 | 44.19   | 22.64 | 44.65 | 21.29 | 46.17   | 20.99 | 50.57   | 21.85 | 54.96 | 12.04 |
|      | 39                       | 31.53                       | 18.72 | 36.14   | 20.21 | 41.07   | 21.52 | 43.24 | 21.08 | 45.40   | 21.11 | 49.72   | 21.97 | 54.04 | 12.11 |
|      | 41                       | 31.53                       | 19.14 | 36.14   | 20.66 | 40.38   | 21.63 | 42.50 | 21.19 | 44.63   | 21.21 | 48.88   | 22.08 | 53.13 | 12.17 |
|      | 43                       | 31.53                       | 19.56 | 35.50   | 20.75 | 39.68   | 21.72 | 41.77 | 21.28 | 43.86   | 21.31 | 48.03   | 22.18 | 52.21 | 12.22 |
|      | 46                       | 30.78                       | 19.50 | 34.88   | 20.82 | 38.98   | 21.80 | 41.03 | 21.36 | 43.09   | 21.39 | 47.19   | 22.26 | 51.29 | 12.26 |
|      | 48                       | 28.35                       | 18.54 | 32.13   | 19.80 | 35.91   | 20.73 | 37.80 | 20.31 | 39.70   | 20.34 | 43.48   | 21.17 | 47.26 | 11.66 |
|      | 50                       | 26.74                       | 17.85 | 30.30   | 19.06 | 33.87   | 19.96 | 35.65 | 19.56 | 37.44   | 19.58 | 41.00   | 20.38 | 44.57 | 11.23 |
|      | 52                       | 25.13                       | 17.12 | 28.48   | 18.28 | 31.83   | 19.14 | 33.50 | 18.75 | 35.18   | 18.78 | 38.53   | 19.54 | 41.88 | 10.77 |
|      | 55                       | 23.51                       | 16.35 | 26.65   | 17.45 | 29.78   | 18.28 | 31.35 | 17.90 | 32.92   | 17.93 | 36.05   | 18.66 | 39.18 | 10.28 |
| 100% | -15                      | 29.23                       | 7.25  | 33.38   | 7.80  | 41.20   | 9.02  | 45.12 | 9.20  | 49.14   | 9.55  | 57.31   | 10.59 | 61.92 | 5.80  |
|      | -10                      | 29.23                       | 8.19  | 33.38   | 8.81  | 41.20   | 10.19 | 45.12 | 10.39 | 49.14   | 10.79 | 57.31   | 11.95 | 61.92 | 6.55  |
|      | -5                       | 29.23                       | 9.14  | 33.38   | 9.84  | 41.20   | 11.38 | 45.12 | 11.59 | 49.14   | 12.04 | 57.31   | 13.35 | 61.92 | 7.31  |
|      | -2                       | 29.23                       | 9.72  | 33.38   | 10.46 | 41.20   | 12.10 | 45.12 | 12.33 | 49.14   | 12.80 | 57.31   | 14.19 | 61.92 | 7.77  |
|      | 0                        | 29.23                       | 10.11 | 33.38   | 10.88 | 41.20   | 12.58 | 45.12 | 12.82 | 49.14   | 13.32 | 57.31   | 14.76 | 61.92 | 8.08  |
|      | 2                        | 29.23                       | 10.51 | 33.38   | 11.30 | 41.20   | 13.07 | 45.12 | 13.32 | 49.14   | 13.83 | 57.31   | 15.33 | 61.92 | 8.40  |
|      | 4                        | 29.23                       | 10.90 | 33.38   | 11.73 | 41.20   | 13.56 | 45.12 | 13.82 | 49.14   | 14.35 | 57.31   | 15.91 | 61.92 | 8.71  |
|      | 6                        | 29.23                       | 11.30 | 33.38   | 12.15 | 41.20   | 14.05 | 45.12 | 14.33 | 49.14   | 14.88 | 57.31   | 16.49 | 61.92 | 9.03  |
|      | 8                        | 29.23                       | 11.70 | 33.38   | 12.59 | 41.20   | 14.55 | 45.12 | 14.83 | 49.14   | 15.40 | 57.31   | 17.07 | 61.92 | 9.35  |
|      | 10                       | 29.23                       | 12.10 | 33.38   | 13.02 | 41.20   | 15.05 | 45.12 | 15.34 | 49.14   | 15.93 | 57.31   | 17.66 | 61.92 | 9.67  |
|      | 12                       | 29.23                       | 12.50 | 33.38   | 13.45 | 41.20   | 15.56 | 45.12 | 15.86 | 49.14   | 16.47 | 57.31   | 18.25 | 61.92 | 10.00 |
|      | 14                       | 29.23                       | 12.91 | 33.38   | 13.89 | 41.20   | 16.06 | 45.12 | 16.37 | 49.14   | 17.00 | 57.31   | 18.85 | 61.92 | 10.32 |
|      | 16                       | 29.23                       | 13.32 | 33.38   | 14.33 | 41.20   | 16.57 | 45.12 | 16.89 | 49.14   | 17.54 | 57.31   | 19.45 | 61.92 | 10.65 |
|      | 18                       | 29.23                       | 13.74 | 33.38   | 14.78 | 41.20   | 17.09 | 45.12 | 17.42 | 49.14   | 18.09 | 57.31   | 20.05 | 61.92 | 10.98 |
|      | 20                       | 29.23                       | 14.15 | 33.38   | 15.23 | 41.20   | 17.61 | 45.12 | 17.94 | 49.14   | 18.64 | 57.31   | 20.66 | 61.92 | 11.31 |
|      | 21                       | 29.23                       | 14.36 | 33.38   | 15.45 | 41.20   | 17.87 | 45.12 | 18.21 | 49.14   | 18.91 | 57.31   | 20.96 | 61.92 | 11.48 |
|      | 23                       | 29.23                       | 14.78 | 33.38   | 15.90 | 41.20   | 18.39 | 45.12 | 18.74 | 49.14   | 19.46 | 57.31   | 21.57 | 61.92 | 11.81 |
|      | 25                       | 29.23                       | 15.20 | 33.38   | 16.36 | 41.20   | 18.91 | 45.12 | 19.28 | 49.14   | 20.02 | 57.31   | 22.19 | 61.92 | 12.15 |
|      | 27                       | 29.23                       | 15.63 | 33.38   | 16.81 | 41.20   | 19.44 | 45.12 | 19.82 | 49.14   | 20.58 | 57.31   | 22.81 | 61.92 | 12.49 |
|      | 29                       | 29.23                       | 16.06 | 33.38   | 17.28 | 41.20   | 19.98 | 45.12 | 20.36 | 49.14   | 21.14 | 57.31   | 23.44 | 61.92 | 12.83 |
|      | 31                       | 29.23                       | 16.49 | 33.38   | 17.74 | 41.20   | 20.51 | 45.12 | 20.91 | 49.14   | 21.71 | 57.31   | 24.07 | 61.92 | 13.18 |
|      | 33                       | 29.23                       | 16.92 | 33.38   | 18.21 | 41.20   | 21.05 | 45.12 | 21.46 | 49.14   | 22.28 | 55.89   | 24.09 | 60.75 | 13.27 |
|      | 35                       | 29.23                       | 17.36 | 33.38   | 18.67 | 41.20   | 21.59 | 45.00 | 21.95 | 47.25   | 21.98 | 51.75   | 22.88 | 56.25 | 12.60 |
|      | 37                       | 29.23                       | 17.76 | 33.38   | 19.11 | 41.20   | 22.09 | 44.26 | 22.09 | 46.47   | 22.12 | 50.90   | 23.02 | 55.33 | 12.68 |
|      | 39                       | 29.23                       | 18.16 | 33.38   | 19.54 | 41.20   | 22.60 | 43.52 | 22.21 | 45.70   | 22.24 | 50.05   | 23.15 | 54.40 | 12.76 |
|      | 41                       | 29.23                       | 18.57 | 33.38   | 19.98 | 40.64   | 22.79 | 42.78 | 22.33 | 44.92   | 22.35 | 49.20   | 23.27 | 53.48 | 12.82 |
|      | 43                       | 29.23                       | 18.98 | 33.38   | 20.42 | 39.94   | 22.89 | 42.04 | 22.42 | 44.15   | 22.45 | 48.35   | 23.37 | 52.56 | 12.88 |
|      | 46                       | 29.23                       | 19.39 | 33.38   | 20.86 | 39.24   | 22.97 | 41.31 | 22.51 | 43.37   | 22.53 | 47.50   | 23.46 | 51.63 | 12.92 |
|      | 48                       | 28.54                       | 19.54 | 32.35   | 20.86 | 36.15   | 21.85 | 38.06 | 21.40 | 39.96   | 21.43 | 43.76   | 22.30 | 47.57 | 12.29 |
|      | 50                       | 26.92                       | 18.81 | 30.51   | 20.09 | 34.09   | 21.03 | 35.89 | 20.60 | 37.68   | 20.63 | 41.27   | 21.47 | 44.86 | 11.83 |
|      | 52                       | 25.29                       | 18.04 | 28.66   | 19.26 | 32.04   | 20.17 | 33.72 | 19.76 | 35.41   | 19.78 | 38.78   | 20.59 | 42.15 | 11.35 |
|      | 55                       | 23.67                       | 17.22 | 26.82   | 18.39 | 29.98   | 19.26 | 31.56 | 18.87 | 33.13   | 18.89 | 36.29   | 19.66 | 39.44 | 10.83 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...



Table2-8.5:16HP cooling capacity(continued)

| CR  | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |       |         |       |         |       |       |       |         |       |         |       |       |       |
|-----|--------------------------|-----------------------------|-------|---------|-------|---------|-------|-------|-------|---------|-------|---------|-------|-------|-------|
|     |                          | 20.8/14                     |       | 23.3/16 |       | 25.8/18 |       | 27/19 |       | 28.2/20 |       | 30.7/22 |       | 32/24 |       |
|     |                          | TC                          | PI    | TC      | PI    | TC      | PI    | TC    | PI    | TC      | PI    | TC      | PI    | TC    | PI    |
| 90% | -15                      | 26.24                       | 6.30  | 30.04   | 6.80  | 37.52   | 7.95  | 40.97 | 8.08  | 44.31   | 8.33  | 51.56   | 9.22  | 57.89 | 5.25  |
|     | -10                      | 26.24                       | 7.12  | 30.04   | 7.68  | 37.52   | 8.98  | 40.97 | 9.13  | 44.31   | 9.41  | 51.56   | 10.41 | 57.89 | 5.92  |
|     | -5                       | 26.24                       | 7.94  | 30.04   | 8.57  | 37.52   | 10.03 | 40.97 | 10.19 | 44.31   | 10.51 | 51.56   | 11.62 | 57.89 | 6.61  |
|     | -2                       | 26.24                       | 8.45  | 30.04   | 9.11  | 37.52   | 10.66 | 40.97 | 10.84 | 44.31   | 11.18 | 51.56   | 12.36 | 57.89 | 7.03  |
|     | 0                        | 26.24                       | 8.79  | 30.04   | 9.48  | 37.52   | 11.09 | 40.97 | 11.27 | 44.31   | 11.62 | 51.56   | 12.85 | 57.89 | 7.32  |
|     | 2                        | 26.24                       | 9.13  | 30.04   | 9.85  | 37.52   | 11.52 | 40.97 | 11.71 | 44.31   | 12.07 | 51.56   | 13.35 | 57.89 | 7.60  |
|     | 4                        | 26.24                       | 9.47  | 30.04   | 10.22 | 37.52   | 11.95 | 40.97 | 12.15 | 44.31   | 12.53 | 51.56   | 13.85 | 57.89 | 7.88  |
|     | 6                        | 26.24                       | 9.82  | 30.04   | 10.59 | 37.52   | 12.39 | 40.97 | 12.59 | 44.31   | 12.98 | 51.56   | 14.36 | 57.89 | 8.17  |
|     | 8                        | 26.24                       | 10.16 | 30.04   | 10.96 | 37.52   | 12.83 | 40.97 | 13.04 | 44.31   | 13.44 | 51.56   | 14.87 | 57.89 | 8.46  |
|     | 10                       | 26.24                       | 10.51 | 30.04   | 11.34 | 37.52   | 13.27 | 40.97 | 13.48 | 44.31   | 13.91 | 51.56   | 15.38 | 57.89 | 8.75  |
|     | 12                       | 26.24                       | 10.87 | 30.04   | 11.72 | 37.52   | 13.71 | 40.97 | 13.94 | 44.31   | 14.37 | 51.56   | 15.89 | 57.89 | 9.05  |
|     | 14                       | 26.24                       | 11.22 | 30.04   | 12.10 | 37.52   | 14.16 | 40.97 | 14.39 | 44.31   | 14.84 | 51.56   | 16.41 | 57.89 | 9.34  |
|     | 16                       | 26.24                       | 11.58 | 30.04   | 12.49 | 37.52   | 14.61 | 40.97 | 14.85 | 44.31   | 15.31 | 51.56   | 16.93 | 57.89 | 9.64  |
|     | 18                       | 26.24                       | 11.94 | 30.04   | 12.87 | 37.52   | 15.06 | 40.97 | 15.31 | 44.31   | 15.79 | 51.56   | 17.46 | 57.89 | 9.94  |
|     | 20                       | 26.24                       | 12.30 | 30.04   | 13.26 | 37.52   | 15.52 | 40.97 | 15.77 | 44.31   | 16.26 | 51.56   | 17.99 | 57.89 | 10.24 |
|     | 21                       | 26.24                       | 12.48 | 30.04   | 13.46 | 37.52   | 15.75 | 40.97 | 16.00 | 44.31   | 16.50 | 51.56   | 18.25 | 57.89 | 10.39 |
|     | 23                       | 26.24                       | 12.84 | 30.04   | 13.85 | 37.52   | 16.21 | 40.97 | 16.47 | 44.31   | 16.99 | 51.56   | 18.79 | 57.89 | 10.69 |
|     | 25                       | 26.24                       | 13.21 | 30.04   | 14.25 | 37.52   | 16.67 | 40.97 | 16.94 | 44.31   | 17.47 | 51.56   | 19.32 | 57.89 | 11.00 |
|     | 27                       | 26.24                       | 13.58 | 30.04   | 14.65 | 37.52   | 17.14 | 40.97 | 17.42 | 44.31   | 17.96 | 51.56   | 19.86 | 57.89 | 11.30 |
|     | 29                       | 26.24                       | 13.95 | 30.04   | 15.05 | 37.52   | 17.61 | 40.97 | 17.89 | 44.31   | 18.45 | 51.56   | 20.41 | 57.89 | 11.61 |
|     | 31                       | 26.24                       | 14.33 | 30.04   | 15.45 | 37.52   | 18.08 | 40.97 | 18.37 | 44.31   | 18.95 | 51.56   | 20.96 | 57.89 | 11.93 |
|     | 33                       | 26.24                       | 14.70 | 30.04   | 15.86 | 37.52   | 18.56 | 40.97 | 18.86 | 44.31   | 19.45 | 51.56   | 21.51 | 57.89 | 12.24 |
|     | 35                       | 26.24                       | 15.08 | 30.04   | 16.27 | 37.52   | 19.03 | 40.97 | 19.34 | 44.31   | 19.95 | 51.56   | 22.06 | 56.25 | 12.20 |
|     | 37                       | 26.24                       | 15.43 | 30.04   | 16.64 | 37.52   | 19.47 | 40.97 | 19.79 | 44.31   | 20.41 | 48.64   | 21.30 | 52.87 | 11.73 |
|     | 39                       | 26.24                       | 15.78 | 30.04   | 17.02 | 37.52   | 19.92 | 40.51 | 20.01 | 41.64   | 19.62 | 45.61   | 20.42 | 49.57 | 11.25 |
|     | 41                       | 26.24                       | 16.13 | 30.04   | 17.40 | 37.52   | 20.36 | 38.99 | 19.69 | 40.94   | 19.71 | 44.83   | 20.52 | 48.73 | 11.31 |
|     | 43                       | 26.24                       | 16.49 | 30.04   | 17.78 | 36.40   | 20.19 | 38.31 | 19.78 | 40.23   | 19.80 | 44.06   | 20.61 | 47.89 | 11.36 |
|     | 46                       | 26.24                       | 16.85 | 30.04   | 18.17 | 35.76   | 20.26 | 37.64 | 19.85 | 39.52   | 19.87 | 43.29   | 20.69 | 47.05 | 11.40 |
|     | 48                       | 26.01                       | 17.23 | 29.48   | 18.40 | 32.94   | 19.27 | 34.68 | 18.88 | 36.41   | 18.90 | 39.88   | 19.67 | 43.35 | 10.84 |
|     | 50                       | 24.53                       | 16.59 | 27.80   | 17.72 | 31.07   | 18.55 | 32.70 | 18.17 | 34.34   | 18.19 | 37.61   | 18.94 | 40.88 | 10.43 |
|     | 52                       | 23.05                       | 15.91 | 26.12   | 16.99 | 29.19   | 17.79 | 30.73 | 17.43 | 32.27   | 17.45 | 35.34   | 18.16 | 38.41 | 10.01 |
|     | 55                       | 21.57                       | 15.19 | 24.44   | 16.22 | 27.32   | 16.98 | 28.75 | 16.64 | 30.19   | 16.66 | 33.07   | 17.34 | 35.94 | 9.55  |
| 80% | -15                      | 23.36                       | 5.40  | 26.70   | 5.82  | 33.38   | 6.82  | 36.71 | 6.98  | 40.05   | 7.26  | 45.92   | 7.91  | 51.45 | 4.49  |
|     | -10                      | 23.36                       | 6.10  | 26.70   | 6.57  | 33.38   | 7.70  | 36.71 | 7.88  | 40.05   | 8.20  | 45.92   | 8.93  | 51.45 | 5.07  |
|     | -5                       | 23.36                       | 6.81  | 26.70   | 7.34  | 33.38   | 8.59  | 36.71 | 8.80  | 40.05   | 9.15  | 45.92   | 9.97  | 51.45 | 5.66  |
|     | -2                       | 23.36                       | 7.25  | 26.70   | 7.80  | 33.38   | 9.14  | 36.71 | 9.35  | 40.05   | 9.73  | 45.92   | 10.60 | 51.45 | 6.02  |
|     | 0                        | 23.36                       | 7.54  | 26.70   | 8.11  | 33.38   | 9.50  | 36.71 | 9.73  | 40.05   | 10.12 | 45.92   | 11.03 | 51.45 | 6.26  |
|     | 2                        | 23.36                       | 7.83  | 26.70   | 8.43  | 33.38   | 9.87  | 36.71 | 10.11 | 40.05   | 10.51 | 45.92   | 11.46 | 51.45 | 6.51  |
|     | 4                        | 23.36                       | 8.12  | 26.70   | 8.75  | 33.38   | 10.24 | 36.71 | 10.49 | 40.05   | 10.91 | 45.92   | 11.89 | 51.45 | 6.75  |
|     | 6                        | 23.36                       | 8.42  | 26.70   | 9.07  | 33.38   | 10.62 | 36.71 | 10.87 | 40.05   | 11.31 | 45.92   | 12.32 | 51.45 | 7.00  |
|     | 8                        | 23.36                       | 8.72  | 26.70   | 9.39  | 33.38   | 10.99 | 36.71 | 11.25 | 40.05   | 11.71 | 45.92   | 12.76 | 51.45 | 7.24  |
|     | 10                       | 23.36                       | 9.02  | 26.70   | 9.71  | 33.38   | 11.37 | 36.71 | 11.64 | 40.05   | 12.11 | 45.92   | 13.19 | 51.45 | 7.49  |
|     | 12                       | 23.36                       | 9.32  | 26.70   | 10.03 | 33.38   | 11.75 | 36.71 | 12.03 | 40.05   | 12.51 | 45.92   | 13.64 | 51.45 | 7.74  |
|     | 14                       | 23.36                       | 9.62  | 26.70   | 10.36 | 33.38   | 12.14 | 36.71 | 12.42 | 40.05   | 12.92 | 45.92   | 14.08 | 51.45 | 8.00  |
|     | 16                       | 23.36                       | 9.93  | 26.70   | 10.69 | 33.38   | 12.52 | 36.71 | 12.82 | 40.05   | 13.33 | 45.92   | 14.53 | 51.45 | 8.25  |
|     | 18                       | 23.36                       | 10.24 | 26.70   | 11.02 | 33.38   | 12.91 | 36.71 | 13.21 | 40.05   | 13.75 | 45.92   | 14.98 | 51.45 | 8.51  |
|     | 20                       | 23.36                       | 10.55 | 26.70   | 11.36 | 33.38   | 13.30 | 36.71 | 13.61 | 40.05   | 14.16 | 45.92   | 15.43 | 51.45 | 8.76  |
|     | 21                       | 23.36                       | 10.70 | 26.70   | 11.52 | 33.38   | 13.50 | 36.71 | 13.81 | 40.05   | 14.37 | 45.92   | 15.66 | 51.45 | 8.89  |
|     | 23                       | 23.36                       | 11.01 | 26.70   | 11.86 | 33.38   | 13.89 | 36.71 | 14.22 | 40.05   | 14.79 | 45.92   | 16.12 | 51.45 | 9.15  |
|     | 25                       | 23.36                       | 11.33 | 26.70   | 12.20 | 33.38   | 14.29 | 36.71 | 14.62 | 40.05   | 15.21 | 45.92   | 16.58 | 51.45 | 9.42  |
|     | 27                       | 23.36                       | 11.65 | 26.70   | 12.54 | 33.38   | 14.69 | 36.71 | 15.03 | 40.05   | 15.64 | 45.92   | 17.04 | 51.45 | 9.68  |
|     | 29                       | 23.36                       | 11.96 | 26.70   | 12.88 | 33.38   | 15.09 | 36.71 | 15.45 | 40.05   | 16.07 | 45.92   | 17.51 | 51.45 | 9.94  |
|     | 31                       | 23.36                       | 12.29 | 26.70   | 13.23 | 33.38   | 15.49 | 36.71 | 15.86 | 40.05   | 16.50 | 45.92   | 17.98 | 51.45 | 10.21 |
|     | 33                       | 23.36                       | 12.61 | 26.70   | 13.58 | 33.38   | 15.90 | 36.71 | 16.28 | 40.05   | 16.93 | 45.92   | 18.45 | 51.45 | 10.48 |
|     | 35                       | 23.36                       | 12.93 | 26.70   | 13.93 | 33.38   | 16.31 | 36.71 | 16.70 | 40.05   | 17.37 | 45.92   | 18.93 | 51.45 | 10.75 |
|     | 37                       | 23.36                       | 13.23 | 26.70   | 14.25 | 33.38   | 16.69 | 36.71 | 17.08 | 40.05   | 17.77 | 45.92   | 19.37 | 51.45 | 11.00 |
|     | 39                       | 23.36                       | 13.53 | 26.70   | 14.57 | 33.38   | 17.07 | 36.71 | 17.47 | 40.05   | 18.17 | 45.54   | 19.64 | 49.50 | 10.82 |
|     | 41                       | 23.36                       | 13.84 | 26.70   | 14.90 | 33.38   | 17.45 | 36.71 | 17.86 | 38.74   | 17.98 | 42.43   | 18.71 | 46.12 | 10.31 |
|     | 43                       | 23.36                       | 14.14 | 26.70   | 15.23 | 32.80   | 17.52 | 34.48 | 17.14 | 36.20   | 17.16 | 39.65   | 17.87 | 43.10 | 9.84  |
|     | 46                       | 23.36                       | 14.45 | 26.70   | 15.56 | 32.18   | 17.56 | 33.87 | 17.21 | 35.56   | 17.23 | 38.95   | 17.93 | 42.34 | 9.88  |
|     | 48                       | 23.36                       | 14.91 | 26.52   | 15.95 | 29.64   | 16.70 | 31.21 | 16.36 | 32.77   | 16.38 | 35.89   | 17.05 | 39.01 | 9.40  |
|     | 50                       | 22.07                       | 14.38 | 25.01   | 15.36 | 27.96   | 16.08 | 29.43 | 15.75 | 30.90   | 15.77 | 33.84   | 16.42 | 36.79 | 9.05  |
|     | 52                       | 20.74                       | 13.79 | 23.50   | 14.73 | 26.27   | 15.42 | 27.65 | 15.11 | 29.03   | 15.13 | 31.80   | 15.75 | 34.56 | 8.67  |
|     | 55                       | 19.41                       | 13.17 | 21.99   | 14.06 | 24.58   | 14.72 | 25.88 | 14.42 | 27.17   | 14.44 | 29.76   | 15.03 | 32.34 | 8.28  |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

## V8 PRO VRF 50Hz



Table2-8.5:16HP cooling capacity(continued)

| CR  | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |       |         |       |         |       |       |       |         |       |         |       |       |      |
|-----|--------------------------|-----------------------------|-------|---------|-------|---------|-------|-------|-------|---------|-------|---------|-------|-------|------|
|     |                          | 20.8/14                     |       | 23.3/16 |       | 25.8/18 |       | 27/19 |       | 28.2/20 |       | 30.7/22 |       | 32/24 |      |
|     |                          | TC                          | PI    | TC      | PI    | TC      | PI    | TC    | PI    | TC      | PI    | TC      | PI    | TC    | PI   |
| 70% | -15                      | 20.49                       | 4.54  | 23.36   | 4.88  | 29.23   | 5.72  | 32.11 | 5.84  | 35.10   | 6.09  | 40.51   | 6.68  | 44.88 | 3.75 |
|     | -10                      | 20.49                       | 5.13  | 23.36   | 5.51  | 29.23   | 6.46  | 32.11 | 6.60  | 35.10   | 6.88  | 40.51   | 7.55  | 44.88 | 4.24 |
|     | -5                       | 20.49                       | 5.73  | 23.36   | 6.15  | 29.23   | 7.21  | 32.11 | 7.37  | 35.10   | 7.68  | 40.51   | 8.43  | 44.88 | 4.73 |
|     | -2                       | 20.49                       | 6.09  | 23.36   | 6.54  | 29.23   | 7.67  | 32.11 | 7.84  | 35.10   | 8.17  | 40.51   | 8.96  | 44.88 | 5.03 |
|     | 0                        | 20.49                       | 6.33  | 23.36   | 6.80  | 29.23   | 7.97  | 32.11 | 8.15  | 35.10   | 8.50  | 40.51   | 9.32  | 44.88 | 5.23 |
|     | 2                        | 20.49                       | 6.58  | 23.36   | 7.06  | 29.23   | 8.28  | 32.11 | 8.47  | 35.10   | 8.83  | 40.51   | 9.68  | 44.88 | 5.44 |
|     | 4                        | 20.49                       | 6.82  | 23.36   | 7.33  | 29.23   | 8.59  | 32.11 | 8.79  | 35.10   | 9.16  | 40.51   | 10.04 | 44.88 | 5.64 |
|     | 6                        | 20.49                       | 7.07  | 23.36   | 7.60  | 29.23   | 8.91  | 32.11 | 9.11  | 35.10   | 9.49  | 40.51   | 10.41 | 44.88 | 5.85 |
|     | 8                        | 20.49                       | 7.32  | 23.36   | 7.87  | 29.23   | 9.22  | 32.11 | 9.43  | 35.10   | 9.83  | 40.51   | 10.78 | 44.88 | 6.05 |
|     | 10                       | 20.49                       | 7.58  | 23.36   | 8.14  | 29.23   | 9.54  | 32.11 | 9.75  | 35.10   | 10.17 | 40.51   | 11.15 | 44.88 | 6.26 |
|     | 12                       | 20.49                       | 7.83  | 23.36   | 8.41  | 29.23   | 9.86  | 32.11 | 10.08 | 35.10   | 10.51 | 40.51   | 11.52 | 44.88 | 6.47 |
|     | 14                       | 20.49                       | 8.08  | 23.36   | 8.68  | 29.23   | 10.18 | 32.11 | 10.41 | 35.10   | 10.85 | 40.51   | 11.90 | 44.88 | 6.68 |
|     | 16                       | 20.49                       | 8.34  | 23.36   | 8.96  | 29.23   | 10.50 | 32.11 | 10.74 | 35.10   | 11.19 | 40.51   | 12.28 | 44.88 | 6.89 |
|     | 18                       | 20.49                       | 8.60  | 23.36   | 9.24  | 29.23   | 10.83 | 32.11 | 11.07 | 35.10   | 11.54 | 40.51   | 12.66 | 44.88 | 7.11 |
|     | 20                       | 20.49                       | 8.86  | 23.36   | 9.52  | 29.23   | 11.16 | 32.11 | 11.41 | 35.10   | 11.89 | 40.51   | 13.04 | 44.88 | 7.32 |
|     | 21                       | 20.49                       | 8.99  | 23.36   | 9.66  | 29.23   | 11.32 | 32.11 | 11.57 | 35.10   | 12.06 | 40.51   | 13.23 | 44.88 | 7.43 |
|     | 23                       | 20.49                       | 9.25  | 23.36   | 9.94  | 29.23   | 11.65 | 32.11 | 11.91 | 35.10   | 12.42 | 40.51   | 13.62 | 44.88 | 7.65 |
|     | 25                       | 20.49                       | 9.52  | 23.36   | 10.22 | 29.23   | 11.99 | 32.11 | 12.25 | 35.10   | 12.77 | 40.51   | 14.01 | 44.88 | 7.87 |
|     | 27                       | 20.49                       | 9.79  | 23.36   | 10.51 | 29.23   | 12.32 | 32.11 | 12.60 | 35.10   | 13.13 | 40.51   | 14.40 | 44.88 | 8.09 |
|     | 29                       | 20.49                       | 10.05 | 23.36   | 10.80 | 29.23   | 12.66 | 32.11 | 12.94 | 35.10   | 13.49 | 40.51   | 14.80 | 44.88 | 8.31 |
|     | 31                       | 20.49                       | 10.32 | 23.36   | 11.09 | 29.23   | 13.00 | 32.11 | 13.29 | 35.10   | 13.85 | 40.51   | 15.19 | 44.88 | 8.53 |
|     | 33                       | 20.49                       | 10.59 | 23.36   | 11.38 | 29.23   | 13.34 | 32.11 | 13.64 | 35.10   | 14.22 | 40.51   | 15.59 | 44.88 | 8.76 |
|     | 35                       | 20.49                       | 10.87 | 23.36   | 11.67 | 29.23   | 13.68 | 32.11 | 13.99 | 35.10   | 14.58 | 40.51   | 16.00 | 44.88 | 8.98 |
|     | 37                       | 20.49                       | 11.12 | 23.36   | 11.94 | 29.23   | 14.00 | 32.11 | 14.31 | 35.10   | 14.92 | 40.51   | 16.37 | 44.88 | 9.19 |
|     | 39                       | 20.49                       | 11.37 | 23.36   | 12.21 | 29.23   | 14.32 | 32.11 | 14.64 | 35.10   | 15.26 | 40.51   | 16.74 | 44.88 | 9.40 |
|     | 41                       | 20.49                       | 11.63 | 23.36   | 12.49 | 29.23   | 14.64 | 32.11 | 14.97 | 35.10   | 15.60 | 40.51   | 17.11 | 44.88 | 9.61 |
|     | 43                       | 20.49                       | 11.88 | 23.36   | 12.76 | 29.23   | 14.96 | 32.11 | 15.30 | 35.10   | 15.94 | 39.33   | 16.98 | 42.75 | 9.35 |
|     | 46                       | 20.49                       | 12.14 | 23.36   | 13.04 | 29.23   | 15.28 | 31.50 | 15.33 | 33.07   | 15.35 | 36.22   | 15.98 | 39.38 | 8.80 |
|     | 48                       | 20.49                       | 12.53 | 23.36   | 13.46 | 26.26   | 14.17 | 27.64 | 13.88 | 29.02   | 13.90 | 31.78   | 14.47 | 34.55 | 7.97 |
|     | 50                       | 19.55                       | 12.20 | 22.15   | 13.03 | 24.76   | 13.64 | 26.06 | 13.37 | 27.37   | 13.38 | 29.97   | 13.93 | 32.58 | 7.67 |
|     | 52                       | 18.37                       | 11.70 | 20.82   | 12.50 | 23.27   | 13.08 | 24.49 | 12.82 | 25.72   | 12.83 | 28.16   | 13.36 | 30.61 | 7.36 |
|     | 55                       | 17.19                       | 11.17 | 19.48   | 11.93 | 21.77   | 12.49 | 22.92 | 12.24 | 24.06   | 12.25 | 26.35   | 12.75 | 28.65 | 7.03 |
| 60% | -15                      | 17.49                       | 3.69  | 20.03   | 3.98  | 25.09   | 4.67  | 27.51 | 4.76  | 30.04   | 4.96  | 35.10   | 5.51  | 39.13 | 3.11 |
|     | -10                      | 17.49                       | 4.16  | 20.03   | 4.49  | 25.09   | 5.27  | 27.51 | 5.38  | 30.04   | 5.60  | 35.10   | 6.22  | 39.13 | 3.52 |
|     | -5                       | 17.49                       | 4.65  | 20.03   | 5.02  | 25.09   | 5.89  | 27.51 | 6.01  | 30.04   | 6.26  | 35.10   | 6.95  | 39.13 | 3.93 |
|     | -2                       | 17.49                       | 4.94  | 20.03   | 5.33  | 25.09   | 6.26  | 27.51 | 6.39  | 30.04   | 6.65  | 35.10   | 7.39  | 39.13 | 4.17 |
|     | 0                        | 17.49                       | 5.14  | 20.03   | 5.55  | 25.09   | 6.51  | 27.51 | 6.64  | 30.04   | 6.92  | 35.10   | 7.68  | 39.13 | 4.34 |
|     | 2                        | 17.49                       | 5.34  | 20.03   | 5.76  | 25.09   | 6.76  | 27.51 | 6.90  | 30.04   | 7.19  | 35.10   | 7.98  | 39.13 | 4.51 |
|     | 4                        | 17.49                       | 5.54  | 20.03   | 5.98  | 25.09   | 7.02  | 27.51 | 7.16  | 30.04   | 7.46  | 35.10   | 8.28  | 39.13 | 4.68 |
|     | 6                        | 17.49                       | 5.74  | 20.03   | 6.20  | 25.09   | 7.27  | 27.51 | 7.42  | 30.04   | 7.73  | 35.10   | 8.58  | 39.13 | 4.85 |
|     | 8                        | 17.49                       | 5.95  | 20.03   | 6.42  | 25.09   | 7.53  | 27.51 | 7.69  | 30.04   | 8.00  | 35.10   | 8.89  | 39.13 | 5.02 |
|     | 10                       | 17.49                       | 6.15  | 20.03   | 6.64  | 25.09   | 7.79  | 27.51 | 7.95  | 30.04   | 8.28  | 35.10   | 9.19  | 39.13 | 5.19 |
|     | 12                       | 17.49                       | 3.40  | 20.03   | 3.67  | 25.09   | 4.31  | 27.51 | 4.40  | 30.04   | 4.58  | 35.10   | 5.08  | 39.13 | 5.37 |
|     | 14                       | 17.49                       | 3.51  | 20.03   | 3.79  | 25.09   | 4.45  | 27.51 | 4.54  | 30.04   | 4.73  | 35.10   | 5.25  | 39.13 | 5.54 |
|     | 16                       | 17.49                       | 3.63  | 20.03   | 3.91  | 25.09   | 4.59  | 27.51 | 4.69  | 30.04   | 4.88  | 35.10   | 5.42  | 39.13 | 5.72 |
|     | 18                       | 17.49                       | 3.74  | 20.03   | 4.03  | 25.09   | 4.73  | 27.51 | 4.83  | 30.04   | 5.03  | 35.10   | 5.59  | 39.13 | 5.90 |
|     | 20                       | 17.49                       | 3.85  | 20.03   | 4.16  | 25.09   | 4.88  | 27.51 | 4.98  | 30.04   | 5.18  | 35.10   | 5.75  | 39.13 | 6.08 |
|     | 21                       | 17.49                       | 3.91  | 20.03   | 4.22  | 25.09   | 4.95  | 27.51 | 5.05  | 30.04   | 5.26  | 35.10   | 5.84  | 39.13 | 6.16 |
|     | 23                       | 17.49                       | 4.02  | 20.03   | 4.34  | 25.09   | 5.09  | 27.51 | 5.20  | 30.04   | 5.41  | 35.10   | 6.01  | 39.13 | 6.35 |
|     | 25                       | 17.49                       | 4.14  | 20.03   | 4.46  | 25.09   | 5.24  | 27.51 | 5.35  | 30.04   | 5.57  | 35.10   | 6.18  | 39.13 | 6.53 |
|     | 27                       | 17.49                       | 4.25  | 20.03   | 4.59  | 25.09   | 5.39  | 27.51 | 5.50  | 30.04   | 5.72  | 35.10   | 6.36  | 39.13 | 6.71 |
|     | 29                       | 17.49                       | 4.37  | 20.03   | 4.72  | 25.09   | 5.53  | 27.51 | 5.65  | 30.04   | 5.88  | 35.10   | 6.53  | 39.13 | 6.89 |
|     | 31                       | 17.49                       | 4.49  | 20.03   | 4.84  | 25.09   | 5.68  | 27.51 | 5.80  | 30.04   | 6.04  | 35.10   | 6.70  | 39.13 | 7.08 |
|     | 33                       | 17.49                       | 4.61  | 20.03   | 4.97  | 25.09   | 5.83  | 27.51 | 5.95  | 30.04   | 6.20  | 35.10   | 6.88  | 39.13 | 7.26 |
|     | 35                       | 17.49                       | 4.72  | 20.03   | 5.10  | 25.09   | 5.98  | 27.51 | 6.10  | 30.04   | 6.36  | 35.10   | 7.06  | 39.13 | 7.45 |
|     | 37                       | 17.49                       | 4.83  | 20.03   | 5.22  | 25.09   | 6.12  | 27.51 | 6.25  | 30.04   | 6.50  | 35.10   | 7.22  | 39.13 | 7.62 |
|     | 39                       | 17.49                       | 4.94  | 20.03   | 5.33  | 25.09   | 6.26  | 27.51 | 6.39  | 30.04   | 6.65  | 35.10   | 7.39  | 39.13 | 7.80 |
|     | 41                       | 17.49                       | 5.05  | 20.03   | 5.45  | 25.09   | 6.40  | 27.51 | 6.53  | 30.04   | 6.80  | 35.10   | 7.55  | 39.13 | 7.97 |
|     | 43                       | 17.49                       | 5.17  | 20.03   | 5.57  | 25.09   | 6.54  | 27.51 | 6.67  | 30.04   | 6.95  | 35.10   | 7.72  | 39.13 | 8.15 |
|     | 46                       | 17.49                       | 5.28  | 20.03   | 5.69  | 25.09   | 6.68  | 27.51 | 6.82  | 30.04   | 7.10  | 35.10   | 7.88  | 39.13 | 8.32 |
|     | 48                       | 17.49                       | 5.45  | 20.03   | 5.88  | 25.09   | 6.90  | 27.45 | 7.02  | 28.82   | 7.03  | 31.57   | 7.32  | 34.31 | 7.53 |
|     | 50                       | 17.49                       | 5.56  | 20.03   | 6.00  | 23.51   | 6.60  | 24.75 | 6.46  | 25.99   | 6.47  | 28.46   | 6.74  | 30.94 | 6.93 |
|     | 52                       | 16.54                       | 5.37  | 18.74   | 5.73  | 20.95   | 6.00  | 22.05 | 5.88  | 23.15   | 5.88  | 25.36   | 6.13  | 27.56 | 6.30 |
|     | 55                       | 14.91                       | 4.94  | 16.90   | 5.27  | 18.89   | 5.52  | 19.88 | 5.41  | 20.87   | 5.41  | 22.86   | 5.63  | 24.85 | 5.80 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...



Table2-8.5:16HP cooling capacity(continued)

| CR  | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |      |         |      |         |      |       |      |         |      |         |      |       |      |
|-----|--------------------------|-----------------------------|------|---------|------|---------|------|-------|------|---------|------|---------|------|-------|------|
|     |                          | 20.8/14                     |      | 23.3/16 |      | 25.8/18 |      | 27/19 |      | 28.2/20 |      | 30.7/22 |      | 32/24 |      |
|     |                          | TC                          | PI   | TC      | PI   | TC      | PI   | TC    | PI   | TC      | PI   | TC      | PI   | TC    | PI   |
| 50% | -15                      | 14.62                       | 1.56 | 16.69   | 1.67 | 20.83   | 1.96 | 22.90 | 2.00 | 25.09   | 2.09 | 29.23   | 2.32 | 33.38 | 2.51 |
|     | -10                      | 14.62                       | 1.76 | 16.69   | 1.89 | 20.83   | 2.21 | 22.90 | 2.26 | 25.09   | 2.36 | 29.23   | 2.62 | 33.38 | 2.83 |
|     | -5                       | 14.62                       | 1.96 | 16.69   | 2.11 | 20.83   | 2.47 | 22.90 | 2.53 | 25.09   | 2.64 | 29.23   | 2.92 | 33.38 | 3.16 |
|     | -2                       | 14.62                       | 2.09 | 16.69   | 2.25 | 20.83   | 2.63 | 22.90 | 2.69 | 25.09   | 2.81 | 29.23   | 3.11 | 33.38 | 3.36 |
|     | 0                        | 14.62                       | 2.17 | 16.69   | 2.34 | 20.83   | 2.73 | 22.90 | 2.79 | 25.09   | 2.92 | 29.23   | 3.23 | 33.38 | 3.49 |
|     | 2                        | 14.62                       | 2.26 | 16.69   | 2.43 | 20.83   | 2.84 | 22.90 | 2.90 | 25.09   | 3.03 | 29.23   | 3.36 | 33.38 | 3.63 |
|     | 4                        | 14.62                       | 2.34 | 16.69   | 2.52 | 20.83   | 2.94 | 22.90 | 3.01 | 25.09   | 3.15 | 29.23   | 3.48 | 33.38 | 3.77 |
|     | 6                        | 14.62                       | 2.43 | 16.69   | 2.61 | 20.83   | 3.05 | 22.90 | 3.12 | 25.09   | 3.26 | 29.23   | 3.61 | 33.38 | 3.90 |
|     | 8                        | 14.62                       | 2.51 | 16.69   | 2.70 | 20.83   | 3.16 | 22.90 | 3.23 | 25.09   | 3.38 | 29.23   | 3.74 | 33.38 | 4.04 |
|     | 10                       | 14.62                       | 2.60 | 16.69   | 2.79 | 20.83   | 3.27 | 22.90 | 3.34 | 25.09   | 3.49 | 29.23   | 3.87 | 33.38 | 4.18 |
|     | 12                       | 14.62                       | 2.68 | 16.69   | 2.89 | 20.83   | 3.38 | 22.90 | 3.45 | 25.09   | 3.61 | 29.23   | 4.00 | 33.38 | 4.32 |
|     | 14                       | 14.62                       | 2.77 | 16.69   | 2.98 | 20.83   | 3.49 | 22.90 | 3.57 | 25.09   | 3.73 | 29.23   | 4.13 | 33.38 | 4.46 |
|     | 16                       | 14.62                       | 2.86 | 16.69   | 3.08 | 20.83   | 3.60 | 22.90 | 3.68 | 25.09   | 3.84 | 29.23   | 4.26 | 33.38 | 4.60 |
|     | 18                       | 14.62                       | 2.95 | 16.69   | 3.17 | 20.83   | 3.71 | 22.90 | 3.79 | 25.09   | 3.96 | 29.23   | 4.39 | 33.38 | 4.75 |
|     | 20                       | 14.62                       | 3.04 | 16.69   | 3.27 | 20.83   | 3.82 | 22.90 | 3.91 | 25.09   | 4.08 | 29.23   | 4.52 | 33.38 | 4.89 |
|     | 21                       | 14.62                       | 3.08 | 16.69   | 3.32 | 20.83   | 3.88 | 22.90 | 3.97 | 25.09   | 4.14 | 29.23   | 4.59 | 33.38 | 4.96 |
|     | 23                       | 14.62                       | 3.17 | 16.69   | 3.41 | 20.83   | 3.99 | 22.90 | 4.08 | 25.09   | 4.27 | 29.23   | 4.72 | 33.38 | 5.11 |
|     | 25                       | 14.62                       | 3.26 | 16.69   | 3.51 | 20.83   | 4.10 | 22.90 | 4.20 | 25.09   | 4.39 | 29.23   | 4.86 | 33.38 | 5.25 |
|     | 27                       | 14.62                       | 3.36 | 16.69   | 3.61 | 20.83   | 4.22 | 22.90 | 4.32 | 25.09   | 4.51 | 29.23   | 4.99 | 33.38 | 5.40 |
|     | 29                       | 14.62                       | 3.45 | 16.69   | 3.71 | 20.83   | 4.33 | 22.90 | 4.44 | 25.09   | 4.63 | 29.23   | 5.13 | 33.38 | 5.55 |
|     | 31                       | 14.62                       | 3.54 | 16.69   | 3.81 | 20.83   | 4.45 | 22.90 | 4.55 | 25.09   | 4.76 | 29.23   | 5.27 | 33.38 | 5.70 |
|     | 33                       | 14.62                       | 3.63 | 16.69   | 3.91 | 20.83   | 4.57 | 22.90 | 4.67 | 25.09   | 4.88 | 29.23   | 5.41 | 33.38 | 5.85 |
|     | 35                       | 14.62                       | 3.73 | 16.69   | 4.01 | 20.83   | 4.69 | 22.90 | 4.79 | 25.09   | 5.01 | 29.23   | 5.55 | 33.38 | 6.00 |
|     | 37                       | 14.62                       | 3.81 | 16.69   | 4.10 | 20.83   | 4.79 | 22.90 | 4.91 | 25.09   | 5.12 | 29.23   | 5.67 | 33.38 | 6.14 |
|     | 39                       | 14.62                       | 3.90 | 16.69   | 4.19 | 20.83   | 4.90 | 22.90 | 5.02 | 25.09   | 5.24 | 29.23   | 5.80 | 33.38 | 6.28 |
|     | 41                       | 14.62                       | 3.99 | 16.69   | 4.29 | 20.83   | 5.01 | 22.90 | 5.13 | 25.09   | 5.36 | 29.23   | 5.93 | 33.38 | 6.42 |
|     | 43                       | 14.62                       | 4.07 | 16.69   | 4.38 | 20.83   | 5.12 | 22.90 | 5.24 | 25.09   | 5.48 | 29.23   | 6.06 | 33.38 | 6.56 |
|     | 46                       | 14.62                       | 4.16 | 16.69   | 4.48 | 20.83   | 5.23 | 22.90 | 5.36 | 25.09   | 5.60 | 29.23   | 6.20 | 33.38 | 6.70 |
|     | 48                       | 14.62                       | 4.30 | 16.69   | 4.62 | 20.83   | 5.40 | 22.90 | 5.53 | 25.09   | 5.77 | 29.23   | 6.39 | 33.38 | 6.91 |
|     | 50                       | 14.62                       | 4.39 | 16.69   | 4.72 | 20.83   | 5.52 | 22.90 | 5.64 | 25.09   | 5.90 | 28.46   | 6.36 | 30.94 | 6.54 |
|     | 52                       | 14.62                       | 4.48 | 16.69   | 4.81 | 20.83   | 5.63 | 22.05 | 5.55 | 23.15   | 5.55 | 25.36   | 5.78 | 27.56 | 5.95 |
|     | 55                       | 14.51                       | 4.53 | 16.45   | 4.84 | 18.38   | 5.07 | 19.35 | 4.97 | 20.32   | 4.97 | 22.25   | 5.18 | 24.19 | 5.33 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

## V8 PRO VRF 50Hz



Table2-8.6:18HP cooling capacity

| CR   | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |       |         |       |         |       |       |       |         |       |         |       |       |       |
|------|--------------------------|-----------------------------|-------|---------|-------|---------|-------|-------|-------|---------|-------|---------|-------|-------|-------|
|      |                          | 20.8/14                     |       | 23.3/16 |       | 25.8/18 |       | 27/19 |       | 28.2/20 |       | 30.7/22 |       | 32/24 |       |
|      |                          | TC                          | PI    | TC      | PI    | TC      | PI    | TC    | PI    | TC      | PI    | TC      | PI    | TC    | PI    |
| 130% | -15                      | 40.11                       | 7.85  | 45.82   | 8.45  | 56.67   | 9.79  | 61.79 | 9.94  | 67.50   | 10.35 | 72.50   | 10.57 | 74.05 | 6.40  |
|      | -10                      | 40.11                       | 8.78  | 45.82   | 9.45  | 56.67   | 10.95 | 61.79 | 11.11 | 67.50   | 11.57 | 72.50   | 11.81 | 74.05 | 7.16  |
|      | -5                       | 40.11                       | 9.72  | 45.82   | 10.46 | 56.67   | 12.12 | 61.79 | 12.30 | 67.50   | 12.82 | 72.50   | 13.08 | 74.05 | 7.93  |
|      | -2                       | 40.11                       | 10.30 | 45.82   | 11.08 | 56.67   | 12.84 | 61.79 | 13.03 | 67.50   | 13.57 | 72.50   | 13.85 | 74.05 | 8.40  |
|      | 0                        | 40.11                       | 10.68 | 45.82   | 11.50 | 56.67   | 13.32 | 61.79 | 13.51 | 67.50   | 14.08 | 72.50   | 14.37 | 74.05 | 8.71  |
|      | 2                        | 40.11                       | 11.07 | 45.82   | 11.91 | 56.67   | 13.80 | 61.79 | 14.01 | 67.50   | 14.59 | 72.50   | 14.89 | 74.05 | 9.03  |
|      | 4                        | 40.11                       | 11.46 | 45.82   | 12.33 | 56.67   | 14.29 | 61.79 | 14.50 | 67.50   | 15.10 | 72.50   | 15.42 | 74.05 | 9.34  |
|      | 6                        | 40.11                       | 11.85 | 45.82   | 12.76 | 56.67   | 14.78 | 61.79 | 15.00 | 67.50   | 15.62 | 72.50   | 15.95 | 74.05 | 9.66  |
|      | 8                        | 40.11                       | 12.25 | 45.82   | 13.18 | 56.67   | 15.27 | 61.79 | 15.50 | 67.50   | 16.14 | 72.50   | 16.48 | 74.05 | 9.99  |
|      | 10                       | 40.11                       | 12.64 | 45.82   | 13.61 | 56.67   | 15.77 | 61.79 | 16.00 | 67.50   | 16.67 | 72.50   | 17.01 | 74.05 | 10.31 |
|      | 12                       | 40.11                       | 13.04 | 45.82   | 14.04 | 56.67   | 16.27 | 61.79 | 16.51 | 67.50   | 17.19 | 72.50   | 17.55 | 74.05 | 10.64 |
|      | 14                       | 40.11                       | 13.45 | 45.82   | 14.47 | 56.67   | 16.77 | 61.79 | 17.02 | 67.50   | 17.73 | 72.50   | 18.09 | 74.05 | 10.97 |
|      | 16                       | 40.11                       | 13.85 | 45.82   | 14.91 | 56.67   | 17.27 | 61.79 | 17.53 | 67.50   | 18.26 | 72.50   | 18.64 | 74.05 | 11.30 |
|      | 18                       | 40.11                       | 14.26 | 45.82   | 15.35 | 56.67   | 17.78 | 61.79 | 18.05 | 67.50   | 18.80 | 72.50   | 19.19 | 74.05 | 11.63 |
|      | 20                       | 40.11                       | 14.67 | 45.82   | 15.79 | 56.67   | 18.29 | 61.79 | 18.56 | 67.50   | 19.34 | 72.50   | 19.74 | 74.05 | 11.96 |
|      | 21                       | 40.11                       | 14.88 | 45.82   | 16.01 | 56.67   | 18.55 | 61.79 | 18.83 | 67.50   | 19.61 | 72.50   | 20.02 | 74.05 | 12.13 |
|      | 23                       | 40.11                       | 15.29 | 45.82   | 16.46 | 56.67   | 19.07 | 61.79 | 19.35 | 67.50   | 20.16 | 72.50   | 20.58 | 74.05 | 12.47 |
|      | 25                       | 40.11                       | 15.71 | 45.82   | 16.91 | 56.67   | 19.59 | 61.79 | 19.88 | 67.50   | 20.71 | 72.50   | 21.14 | 74.05 | 12.81 |
|      | 27                       | 40.11                       | 16.13 | 45.82   | 17.36 | 56.67   | 20.11 | 61.79 | 20.41 | 67.50   | 21.26 | 72.50   | 21.71 | 74.05 | 13.15 |
|      | 29                       | 40.11                       | 16.55 | 45.82   | 17.82 | 56.67   | 20.64 | 61.79 | 20.95 | 67.50   | 21.82 | 72.50   | 22.28 | 74.05 | 13.50 |
|      | 31                       | 40.11                       | 16.98 | 45.82   | 18.28 | 56.67   | 21.17 | 61.79 | 21.49 | 65.89   | 21.85 | 72.17   | 22.74 | 74.05 | 13.85 |
|      | 33                       | 40.11                       | 17.41 | 45.82   | 18.74 | 55.51   | 21.26 | 58.43 | 20.83 | 61.35   | 20.86 | 67.19   | 21.71 | 73.04 | 14.00 |
|      | 35                       | 40.11                       | 17.84 | 45.82   | 19.20 | 53.20   | 20.89 | 54.40 | 19.88 | 56.80   | 19.79 | 62.21   | 20.60 | 67.62 | 13.29 |
|      | 37                       | 39.50                       | 17.96 | 44.88   | 19.23 | 51.43   | 20.64 | 52.66 | 19.68 | 55.30   | 19.70 | 60.56   | 20.51 | 65.83 | 13.23 |
|      | 39                       | 39.29                       | 18.26 | 45.00   | 19.71 | 49.64   | 20.37 | 51.72 | 19.75 | 54.30   | 19.77 | 59.48   | 20.58 | 64.65 | 13.28 |
|      | 41                       | 39.40                       | 18.72 | 43.16   | 19.32 | 48.23   | 20.22 | 50.77 | 19.81 | 53.31   | 19.84 | 58.39   | 20.65 | 63.46 | 13.32 |
|      | 43                       | 38.21                       | 18.55 | 42.35   | 19.36 | 47.33   | 20.27 | 49.82 | 19.86 | 52.32   | 19.89 | 57.30   | 20.70 | 62.28 | 13.35 |
|      | 46                       | 36.66                       | 18.17 | 41.55   | 19.40 | 46.43   | 20.31 | 48.88 | 19.90 | 51.32   | 19.92 | 56.21   | 20.74 | 61.10 | 13.38 |
|      | 48                       | 33.41                       | 17.08 | 37.87   | 18.24 | 42.32   | 19.10 | 44.55 | 18.71 | 46.78   | 18.73 | 51.23   | 19.50 | 55.69 | 12.57 |
|      | 50                       | 31.25                       | 16.30 | 35.42   | 17.41 | 39.58   | 18.22 | 41.67 | 17.85 | 43.75   | 17.88 | 47.92   | 18.61 | 52.08 | 12.00 |
|      | 52                       | 29.09                       | 15.48 | 32.96   | 16.53 | 36.84   | 17.31 | 38.78 | 16.95 | 40.72   | 16.97 | 44.60   | 17.67 | 48.48 | 11.40 |
|      | 55                       | 26.92                       | 14.61 | 30.51   | 15.60 | 34.10   | 16.34 | 35.90 | 16.01 | 37.69   | 16.03 | 41.28   | 16.68 | 44.87 | 10.76 |
| 120% | -15                      | 37.62                       | 7.62  | 42.98   | 8.21  | 53.09   | 9.50  | 58.09 | 9.67  | 63.33   | 10.05 | 70.70   | 10.67 | 72.50 | 6.49  |
|      | -10                      | 37.62                       | 8.52  | 42.98   | 9.18  | 53.09   | 10.62 | 58.09 | 10.81 | 63.33   | 11.24 | 70.70   | 11.93 | 72.50 | 7.26  |
|      | -5                       | 37.62                       | 9.44  | 42.98   | 10.16 | 53.09   | 11.76 | 58.09 | 11.97 | 63.33   | 12.45 | 70.70   | 13.21 | 72.50 | 8.04  |
|      | -2                       | 37.62                       | 10.00 | 42.98   | 10.76 | 53.09   | 12.45 | 58.09 | 12.68 | 63.33   | 13.18 | 70.70   | 13.99 | 72.50 | 8.51  |
|      | 0                        | 37.62                       | 10.37 | 42.98   | 11.16 | 53.09   | 12.92 | 58.09 | 13.15 | 63.33   | 13.67 | 70.70   | 14.51 | 72.50 | 8.83  |
|      | 2                        | 37.62                       | 10.75 | 42.98   | 11.57 | 53.09   | 13.38 | 58.09 | 13.63 | 63.33   | 14.17 | 70.70   | 15.04 | 72.50 | 9.15  |
|      | 4                        | 37.62                       | 11.12 | 42.98   | 11.97 | 53.09   | 13.86 | 58.09 | 14.11 | 63.33   | 14.67 | 70.70   | 15.57 | 72.50 | 9.47  |
|      | 6                        | 37.62                       | 11.51 | 42.98   | 12.38 | 53.09   | 14.33 | 58.09 | 14.59 | 63.33   | 15.17 | 70.70   | 16.10 | 72.50 | 9.80  |
|      | 8                        | 37.62                       | 11.89 | 42.98   | 12.80 | 53.09   | 14.81 | 58.09 | 15.08 | 63.33   | 15.68 | 70.70   | 16.64 | 72.50 | 10.12 |
|      | 10                       | 37.62                       | 12.28 | 42.98   | 13.21 | 53.09   | 15.29 | 58.09 | 15.57 | 63.33   | 16.19 | 70.70   | 17.18 | 72.50 | 10.45 |
|      | 12                       | 37.62                       | 12.66 | 42.98   | 13.63 | 53.09   | 15.77 | 58.09 | 16.06 | 63.33   | 16.70 | 70.70   | 17.72 | 72.50 | 10.78 |
|      | 14                       | 37.62                       | 13.06 | 42.98   | 14.05 | 53.09   | 16.26 | 58.09 | 16.56 | 63.33   | 17.22 | 70.70   | 18.27 | 72.50 | 11.11 |
|      | 16                       | 37.62                       | 13.45 | 42.98   | 14.48 | 53.09   | 16.75 | 58.09 | 17.06 | 63.33   | 17.74 | 70.70   | 18.82 | 72.50 | 11.45 |
|      | 18                       | 37.62                       | 13.85 | 42.98   | 14.90 | 53.09   | 17.25 | 58.09 | 17.56 | 63.33   | 18.26 | 70.70   | 19.37 | 72.50 | 11.79 |
|      | 20                       | 37.62                       | 14.24 | 42.98   | 15.33 | 53.09   | 17.74 | 58.09 | 18.07 | 63.33   | 18.78 | 70.70   | 19.93 | 72.50 | 12.13 |
|      | 21                       | 37.62                       | 14.45 | 42.98   | 15.55 | 53.09   | 17.99 | 58.09 | 18.32 | 63.33   | 19.05 | 70.70   | 20.21 | 72.50 | 12.30 |
|      | 23                       | 37.62                       | 14.85 | 42.98   | 15.98 | 53.09   | 18.49 | 58.09 | 18.83 | 63.33   | 19.58 | 70.70   | 20.78 | 72.50 | 12.64 |
|      | 25                       | 37.62                       | 15.25 | 42.98   | 16.42 | 53.09   | 19.00 | 58.09 | 19.35 | 63.33   | 20.12 | 70.70   | 21.34 | 72.50 | 12.99 |
|      | 27                       | 37.62                       | 15.66 | 42.98   | 16.86 | 53.09   | 19.51 | 58.09 | 19.86 | 63.33   | 20.65 | 70.70   | 21.91 | 72.50 | 13.33 |
|      | 29                       | 37.62                       | 16.07 | 42.98   | 17.30 | 53.09   | 20.02 | 58.09 | 20.39 | 63.33   | 21.19 | 70.70   | 22.49 | 72.50 | 13.68 |
|      | 31                       | 37.62                       | 16.49 | 42.98   | 17.74 | 53.09   | 20.53 | 58.09 | 20.91 | 63.33   | 21.74 | 70.70   | 22.91 | 72.50 | 14.03 |
|      | 33                       | 37.62                       | 16.90 | 42.98   | 18.19 | 53.09   | 21.05 | 56.86 | 20.99 | 59.71   | 21.01 | 65.39   | 21.87 | 71.08 | 14.11 |
|      | 35                       | 37.62                       | 17.32 | 42.98   | 18.64 | 52.25   | 21.23 | 53.45 | 20.22 | 55.28   | 19.94 | 60.55   | 20.75 | 65.81 | 13.39 |
|      | 37                       | 37.62                       | 17.71 | 42.98   | 19.06 | 51.07   | 21.22 | 51.66 | 19.98 | 53.55   | 19.75 | 58.65   | 20.56 | 63.75 | 13.26 |
|      | 39                       | 37.62                       | 18.11 | 42.98   | 19.49 | 49.40   | 20.99 | 50.09 | 19.80 | 52.59   | 19.83 | 57.60   | 20.64 | 62.61 | 13.31 |
|      | 41                       | 36.90                       | 18.15 | 42.14   | 19.53 | 46.71   | 20.28 | 49.17 | 19.86 | 51.63   | 19.89 | 56.54   | 20.70 | 61.46 | 13.35 |
|      | 43                       | 36.90                       | 18.54 | 41.01   | 19.41 | 45.84   | 20.33 | 48.25 | 19.91 | 50.66   | 19.94 | 55.49   | 20.75 | 60.31 | 13.39 |
|      | 46                       | 35.50                       | 18.21 | 40.23   | 19.45 | 44.97   | 20.36 | 47.33 | 19.95 | 49.70   | 19.97 | 54.43   | 20.79 | 59.17 | 13.41 |
|      | 48                       | 32.36                       | 17.12 | 36.67   | 18.28 | 40.99   | 19.14 | 43.14 | 18.76 | 45.30   | 18.78 | 49.62   | 19.55 | 53.93 | 12.61 |
|      | 50                       | 30.26                       | 16.34 | 34.30   | 17.45 | 38.33   | 18.27 | 40.35 | 17.90 | 42.37   | 17.92 | 46.40   | 18.66 | 50.44 | 12.03 |
|      | 52                       | 28.17                       | 15.52 | 31.92   | 16.57 | 35.68   | 17.35 | 37.56 | 17.00 | 39.43   | 17.02 | 43.19   | 17.71 | 46.95 | 11.43 |
|      | 55                       | 26.07                       | 14.65 | 29.55   | 15.64 | 33.03   | 16.38 | 34.76 | 16.05 | 36.50   | 16.07 | 39.98   | 16.72 | 43.45 | 10.79 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.6:18HP cooling capacity(continued)

| CR   | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |       |         |       |         |       |       |       |         |       |         |       |       |       |
|------|--------------------------|-----------------------------|-------|---------|-------|---------|-------|-------|-------|---------|-------|---------|-------|-------|-------|
|      |                          | 20.8/14                     |       | 23.3/16 |       | 25.8/18 |       | 27/19 |       | 28.2/20 |       | 30.7/22 |       | 32/24 |       |
|      |                          | TC                          | PI    | TC      | PI    | TC      | PI    | TC    | PI    | TC      | PI    | TC      | PI    | TC    | PI    |
| 110% | -15                      | 35.12                       | 7.39  | 40.11   | 7.95  | 49.29   | 9.15  | 54.17 | 9.36  | 59.28   | 9.76  | 68.93   | 10.79 | 70.70 | 6.57  |
|      | -10                      | 35.12                       | 8.26  | 40.11   | 8.89  | 49.29   | 10.23 | 54.17 | 10.46 | 59.28   | 10.92 | 68.93   | 12.07 | 70.70 | 7.34  |
|      | -5                       | 35.12                       | 9.14  | 40.11   | 9.84  | 49.29   | 11.33 | 54.17 | 11.59 | 59.28   | 12.09 | 68.93   | 13.36 | 70.70 | 8.13  |
|      | -2                       | 35.12                       | 9.68  | 40.11   | 10.42 | 49.29   | 11.99 | 54.17 | 12.27 | 59.28   | 12.80 | 68.93   | 14.15 | 70.70 | 8.61  |
|      | 0                        | 35.12                       | 10.04 | 40.11   | 10.81 | 49.29   | 12.44 | 54.17 | 12.73 | 59.28   | 13.28 | 68.93   | 14.68 | 70.70 | 8.93  |
|      | 2                        | 35.12                       | 10.41 | 40.11   | 11.20 | 49.29   | 12.89 | 54.17 | 13.19 | 59.28   | 13.76 | 68.93   | 15.21 | 70.70 | 9.26  |
|      | 4                        | 35.12                       | 10.78 | 40.11   | 11.60 | 49.29   | 13.35 | 54.17 | 13.65 | 59.28   | 14.25 | 68.93   | 15.75 | 70.70 | 9.58  |
|      | 6                        | 35.12                       | 11.15 | 40.11   | 11.99 | 49.29   | 13.81 | 54.17 | 14.12 | 59.28   | 14.74 | 68.93   | 16.29 | 70.70 | 9.91  |
|      | 8                        | 35.12                       | 11.52 | 40.11   | 12.39 | 49.29   | 14.27 | 54.17 | 14.59 | 59.28   | 15.23 | 68.93   | 16.83 | 70.70 | 10.24 |
|      | 10                       | 35.12                       | 11.89 | 40.11   | 12.79 | 49.29   | 14.73 | 54.17 | 15.07 | 59.28   | 15.72 | 68.93   | 17.38 | 70.70 | 10.58 |
|      | 12                       | 35.12                       | 12.27 | 40.11   | 13.20 | 49.29   | 15.20 | 54.17 | 15.54 | 59.28   | 16.22 | 68.93   | 17.93 | 70.70 | 10.91 |
|      | 14                       | 35.12                       | 12.65 | 40.11   | 13.61 | 49.29   | 15.67 | 54.17 | 16.02 | 59.28   | 16.72 | 68.93   | 18.48 | 70.70 | 11.25 |
|      | 16                       | 35.12                       | 13.03 | 40.11   | 14.02 | 49.29   | 16.14 | 54.17 | 16.51 | 59.28   | 17.22 | 68.93   | 19.04 | 70.70 | 11.59 |
|      | 18                       | 35.12                       | 13.41 | 40.11   | 14.43 | 49.29   | 16.61 | 54.17 | 16.99 | 59.28   | 17.73 | 68.93   | 19.60 | 70.70 | 11.93 |
|      | 20                       | 35.12                       | 13.80 | 40.11   | 14.85 | 49.29   | 17.09 | 54.17 | 17.48 | 59.28   | 18.24 | 68.93   | 20.16 | 70.70 | 12.27 |
|      | 21                       | 35.12                       | 13.99 | 40.11   | 15.06 | 49.29   | 17.33 | 54.17 | 17.73 | 59.28   | 18.50 | 68.93   | 20.45 | 70.70 | 12.44 |
|      | 23                       | 35.12                       | 14.38 | 40.11   | 15.48 | 49.29   | 17.82 | 54.17 | 18.22 | 59.28   | 19.02 | 68.93   | 21.02 | 70.70 | 12.79 |
|      | 25                       | 35.12                       | 14.78 | 40.11   | 15.90 | 49.29   | 18.30 | 54.17 | 18.72 | 59.28   | 19.53 | 68.93   | 21.59 | 70.70 | 13.14 |
|      | 27                       | 35.12                       | 15.17 | 40.11   | 16.32 | 49.29   | 18.79 | 54.17 | 19.22 | 59.28   | 20.06 | 68.93   | 22.17 | 70.70 | 13.49 |
|      | 29                       | 35.12                       | 15.57 | 40.11   | 16.75 | 49.29   | 19.28 | 54.17 | 19.73 | 59.28   | 20.58 | 68.93   | 22.75 | 70.70 | 13.85 |
|      | 31                       | 35.12                       | 15.97 | 40.11   | 17.18 | 49.29   | 19.78 | 54.17 | 20.23 | 59.28   | 21.11 | 67.03   | 22.69 | 70.70 | 14.20 |
|      | 33                       | 35.12                       | 16.37 | 40.11   | 17.62 | 49.29   | 20.28 | 54.17 | 20.74 | 56.98   | 20.81 | 62.41   | 21.66 | 67.84 | 13.97 |
|      | 35                       | 35.12                       | 16.78 | 40.11   | 18.05 | 49.17   | 20.73 | 52.37 | 20.55 | 53.57   | 20.05 | 57.79   | 20.55 | 62.81 | 13.26 |
|      | 37                       | 35.12                       | 17.16 | 40.11   | 18.46 | 49.17   | 21.20 | 51.31 | 20.59 | 51.78   | 19.81 | 56.11   | 20.41 | 60.99 | 13.16 |
|      | 39                       | 35.12                       | 17.54 | 40.11   | 18.87 | 47.38   | 20.88 | 49.52 | 20.32 | 50.31   | 19.68 | 55.10   | 20.49 | 59.90 | 13.21 |
|      | 41                       | 35.12                       | 17.92 | 40.11   | 19.28 | 45.70   | 20.59 | 47.04 | 19.72 | 49.39   | 19.74 | 54.10   | 20.55 | 58.80 | 13.25 |
|      | 43                       | 35.12                       | 18.31 | 39.24   | 19.27 | 43.85   | 20.18 | 46.16 | 19.77 | 48.47   | 19.79 | 53.09   | 20.60 | 57.70 | 13.29 |
|      | 46                       | 33.96                       | 18.08 | 38.49   | 19.31 | 43.02   | 20.21 | 45.29 | 19.80 | 47.55   | 19.83 | 52.08   | 20.64 | 56.61 | 13.31 |
|      | 48                       | 30.96                       | 17.00 | 35.08   | 18.15 | 39.21   | 19.00 | 41.28 | 18.62 | 43.34   | 18.64 | 47.47   | 19.40 | 51.60 | 12.51 |
|      | 50                       | 28.95                       | 16.22 | 32.81   | 17.32 | 36.67   | 18.14 | 38.60 | 17.77 | 40.53   | 17.79 | 44.39   | 18.52 | 48.25 | 11.94 |
|      | 52                       | 26.95                       | 15.41 | 30.54   | 16.45 | 34.13   | 17.22 | 35.93 | 16.87 | 37.73   | 16.89 | 41.32   | 17.59 | 44.91 | 11.34 |
|      | 55                       | 24.94                       | 14.54 | 28.27   | 15.53 | 31.60   | 16.26 | 33.26 | 15.93 | 34.92   | 15.95 | 38.25   | 16.60 | 41.57 | 10.71 |
| 100% | -15                      | 32.50                       | 7.11  | 37.14   | 7.65  | 45.59   | 8.80  | 50.36 | 9.05  | 54.64   | 9.36  | 63.69   | 10.37 | 68.45 | 6.61  |
|      | -10                      | 32.50                       | 7.95  | 37.14   | 8.56  | 45.59   | 9.84  | 50.36 | 10.12 | 54.64   | 10.47 | 63.69   | 11.60 | 68.45 | 7.39  |
|      | -5                       | 32.50                       | 8.80  | 37.14   | 9.48  | 45.59   | 10.90 | 50.36 | 11.20 | 54.64   | 11.59 | 63.69   | 12.84 | 68.45 | 8.19  |
|      | -2                       | 32.50                       | 9.32  | 37.14   | 10.03 | 45.59   | 11.54 | 50.36 | 11.86 | 54.64   | 12.27 | 63.69   | 13.60 | 68.45 | 8.67  |
|      | 0                        | 32.50                       | 9.67  | 37.14   | 10.41 | 45.59   | 11.97 | 50.36 | 12.31 | 54.64   | 12.73 | 63.69   | 14.11 | 68.45 | 9.00  |
|      | 2                        | 32.50                       | 10.02 | 37.14   | 10.79 | 45.59   | 12.40 | 50.36 | 12.75 | 54.64   | 13.19 | 63.69   | 14.62 | 68.45 | 9.32  |
|      | 4                        | 32.50                       | 10.37 | 37.14   | 11.17 | 45.59   | 12.84 | 50.36 | 13.20 | 54.64   | 13.66 | 63.69   | 15.13 | 68.45 | 9.65  |
|      | 6                        | 32.50                       | 10.73 | 37.14   | 11.55 | 45.59   | 13.28 | 50.36 | 13.65 | 54.64   | 14.13 | 63.69   | 15.65 | 68.45 | 9.98  |
|      | 8                        | 32.50                       | 11.09 | 37.14   | 11.94 | 45.59   | 13.72 | 50.36 | 14.11 | 54.64   | 14.60 | 63.69   | 16.17 | 68.45 | 10.31 |
|      | 10                       | 32.50                       | 11.45 | 37.14   | 12.32 | 45.59   | 14.17 | 50.36 | 14.57 | 54.64   | 15.07 | 63.69   | 16.70 | 68.45 | 10.65 |
|      | 12                       | 32.50                       | 11.81 | 37.14   | 12.71 | 45.59   | 14.62 | 50.36 | 15.03 | 54.64   | 15.55 | 63.69   | 17.23 | 68.45 | 10.99 |
|      | 14                       | 32.50                       | 12.17 | 37.14   | 13.11 | 45.59   | 15.07 | 50.36 | 15.49 | 54.64   | 16.03 | 63.69   | 17.76 | 68.45 | 11.33 |
|      | 16                       | 32.50                       | 12.54 | 37.14   | 13.50 | 45.59   | 15.52 | 50.36 | 15.96 | 54.64   | 16.51 | 63.69   | 18.29 | 68.45 | 11.67 |
|      | 18                       | 32.50                       | 12.91 | 37.14   | 13.90 | 45.59   | 15.98 | 50.36 | 16.43 | 54.64   | 17.00 | 63.69   | 18.83 | 68.45 | 12.01 |
|      | 20                       | 32.50                       | 13.28 | 37.14   | 14.30 | 45.59   | 16.44 | 50.36 | 16.90 | 54.64   | 17.49 | 63.69   | 19.38 | 68.45 | 12.36 |
|      | 21                       | 32.50                       | 13.47 | 37.14   | 14.50 | 45.59   | 16.67 | 50.36 | 17.14 | 54.64   | 17.74 | 63.69   | 19.65 | 68.45 | 12.53 |
|      | 23                       | 32.50                       | 13.84 | 37.14   | 14.91 | 45.59   | 17.14 | 50.36 | 17.62 | 54.64   | 18.23 | 63.69   | 20.20 | 68.45 | 12.88 |
|      | 25                       | 32.50                       | 14.22 | 37.14   | 15.31 | 45.59   | 17.61 | 50.36 | 18.10 | 54.64   | 18.73 | 63.69   | 20.75 | 68.45 | 13.23 |
|      | 27                       | 32.50                       | 14.60 | 37.14   | 15.72 | 45.59   | 18.08 | 50.36 | 18.59 | 54.64   | 19.23 | 63.69   | 21.30 | 68.45 | 13.59 |
|      | 29                       | 32.50                       | 14.98 | 37.14   | 16.13 | 45.59   | 18.55 | 50.36 | 19.07 | 54.64   | 19.73 | 63.69   | 21.86 | 68.45 | 13.94 |
|      | 31                       | 32.50                       | 15.37 | 37.14   | 16.55 | 45.59   | 19.03 | 50.36 | 19.56 | 54.64   | 20.24 | 63.69   | 22.42 | 68.45 | 14.30 |
|      | 33                       | 32.50                       | 15.76 | 37.14   | 16.97 | 45.59   | 19.51 | 50.36 | 20.06 | 54.64   | 20.75 | 62.10   | 22.42 | 67.50 | 14.46 |
|      | 35                       | 32.50                       | 16.15 | 37.14   | 17.39 | 45.59   | 19.99 | 50.00 | 20.41 | 52.50   | 20.43 | 57.50   | 21.27 | 62.50 | 13.72 |
|      | 37                       | 32.50                       | 16.51 | 37.14   | 17.78 | 45.59   | 20.44 | 50.00 | 20.87 | 51.57   | 20.53 | 56.48   | 21.37 | 61.40 | 13.78 |
|      | 39                       | 32.50                       | 16.88 | 37.14   | 18.17 | 45.59   | 20.90 | 48.33 | 20.62 | 50.65   | 20.60 | 55.47   | 21.45 | 60.29 | 13.83 |
|      | 41                       | 32.50                       | 17.25 | 37.14   | 18.57 | 44.98   | 21.07 | 47.35 | 20.64 | 49.72   | 20.67 | 54.45   | 21.52 | 59.19 | 13.88 |
|      | 43                       | 32.50                       | 17.62 | 37.14   | 18.97 | 44.14   | 21.12 | 46.47 | 20.70 | 48.79   | 20.72 | 53.44   | 21.57 | 58.09 | 13.91 |
|      | 46                       | 32.50                       | 17.99 | 37.14   | 19.38 | 43.31   | 21.16 | 45.59 | 20.73 | 47.86   | 20.76 | 52.42   | 21.61 | 56.98 | 13.94 |
|      | 48                       | 31.16                       | 17.80 | 35.32   | 19.00 | 39.47   | 19.90 | 41.55 | 19.49 | 43.63   | 19.52 | 47.78   | 20.31 | 51.94 | 13.10 |
|      | 50                       | 29.14                       | 16.98 | 33.03   | 18.14 | 36.92   | 18.99 | 38.86 | 18.60 | 40.80   | 18.63 | 44.69   | 19.39 | 48.57 | 12.50 |
|      | 52                       | 27.13                       | 16.13 | 30.74   | 17.22 | 34.36   | 18.03 | 36.17 | 17.66 | 37.98   | 17.69 | 41.59   | 18.41 | 45.21 | 11.87 |
|      | 55                       | 25.11                       | 15.23 | 28.46   | 16.26 | 31.80   | 17.02 | 33.48 | 16.68 | 35.15   | 16.70 | 38.50   | 17.38 | 41.85 | 11.21 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

## V8 PRO VRF 50Hz



Table2-8.6:18HP cooling capacity(continued)

| CR  | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |       |         |       |         |       |       |       |         |       |         |       |       |       |
|-----|--------------------------|-----------------------------|-------|---------|-------|---------|-------|-------|-------|---------|-------|---------|-------|-------|-------|
|     |                          | 20.8/14                     |       | 23.3/16 |       | 25.8/18 |       | 27/19 |       | 28.2/20 |       | 30.7/22 |       | 32/24 |       |
|     |                          | TC                          | PI    | TC      | PI    | TC      | PI    | TC    | PI    | TC      | PI    | TC      | PI    | TC    | PI    |
| 90% | -15                      | 29.17                       | 6.19  | 33.33   | 6.67  | 41.79   | 7.83  | 45.36 | 7.91  | 49.17   | 8.18  | 57.38   | 9.07  | 65.59 | 6.15  |
|     | -10                      | 29.17                       | 6.92  | 33.33   | 7.45  | 41.79   | 8.75  | 45.36 | 8.84  | 49.17   | 9.14  | 57.38   | 10.14 | 65.59 | 6.88  |
|     | -5                       | 29.17                       | 7.67  | 33.33   | 8.25  | 41.79   | 9.69  | 45.36 | 9.79  | 49.17   | 10.12 | 57.38   | 11.23 | 65.59 | 7.61  |
|     | -2                       | 29.17                       | 8.12  | 33.33   | 8.74  | 41.79   | 10.26 | 45.36 | 10.37 | 49.17   | 10.72 | 57.38   | 11.89 | 65.59 | 8.06  |
|     | 0                        | 29.17                       | 8.42  | 33.33   | 9.07  | 41.79   | 10.65 | 45.36 | 10.76 | 49.17   | 11.12 | 57.38   | 12.33 | 65.59 | 8.37  |
|     | 2                        | 29.17                       | 8.73  | 33.33   | 9.40  | 41.79   | 11.04 | 45.36 | 11.15 | 49.17   | 11.52 | 57.38   | 12.78 | 65.59 | 8.67  |
|     | 4                        | 29.17                       | 9.03  | 33.33   | 9.73  | 41.79   | 11.42 | 45.36 | 11.54 | 49.17   | 11.93 | 57.38   | 13.23 | 65.59 | 8.97  |
|     | 6                        | 29.17                       | 9.34  | 33.33   | 10.06 | 41.79   | 11.82 | 45.36 | 11.94 | 49.17   | 12.34 | 57.38   | 13.69 | 65.59 | 9.28  |
|     | 8                        | 29.17                       | 9.66  | 33.33   | 10.40 | 41.79   | 12.21 | 45.36 | 12.33 | 49.17   | 12.75 | 57.38   | 14.14 | 65.59 | 9.59  |
|     | 10                       | 29.17                       | 9.97  | 33.33   | 10.73 | 41.79   | 12.61 | 45.36 | 12.74 | 49.17   | 13.16 | 57.38   | 14.60 | 65.59 | 9.90  |
|     | 12                       | 29.17                       | 10.28 | 33.33   | 11.07 | 41.79   | 13.01 | 45.36 | 13.14 | 49.17   | 13.58 | 57.38   | 15.06 | 65.59 | 10.22 |
|     | 14                       | 29.17                       | 10.60 | 33.33   | 11.42 | 41.79   | 13.41 | 45.36 | 13.54 | 49.17   | 14.00 | 57.38   | 15.53 | 65.59 | 10.53 |
|     | 16                       | 29.17                       | 10.92 | 33.33   | 11.76 | 41.79   | 13.81 | 45.36 | 13.95 | 49.17   | 14.42 | 57.38   | 16.00 | 65.59 | 10.85 |
|     | 18                       | 29.17                       | 11.24 | 33.33   | 12.11 | 41.79   | 14.22 | 45.36 | 14.36 | 49.17   | 14.85 | 57.38   | 16.47 | 65.59 | 11.17 |
|     | 20                       | 29.17                       | 11.57 | 33.33   | 12.46 | 41.79   | 14.63 | 45.36 | 14.78 | 49.17   | 15.27 | 57.38   | 16.94 | 65.59 | 11.49 |
|     | 21                       | 29.17                       | 11.73 | 33.33   | 12.63 | 41.79   | 14.83 | 45.36 | 14.99 | 49.17   | 15.49 | 57.38   | 17.18 | 65.59 | 11.65 |
|     | 23                       | 29.17                       | 12.06 | 33.33   | 12.98 | 41.79   | 15.25 | 45.36 | 15.40 | 49.17   | 15.92 | 57.38   | 17.66 | 65.59 | 11.98 |
|     | 25                       | 29.17                       | 12.39 | 33.33   | 13.34 | 41.79   | 15.66 | 45.36 | 15.82 | 49.17   | 16.36 | 57.38   | 18.14 | 65.59 | 12.30 |
|     | 27                       | 29.17                       | 12.72 | 33.33   | 13.69 | 41.79   | 16.08 | 45.36 | 16.25 | 49.17   | 16.79 | 57.38   | 18.63 | 65.59 | 12.63 |
|     | 29                       | 29.17                       | 13.05 | 33.33   | 14.05 | 41.79   | 16.50 | 45.36 | 16.67 | 49.17   | 17.23 | 57.38   | 19.12 | 65.59 | 12.97 |
|     | 31                       | 29.17                       | 13.39 | 33.33   | 14.42 | 41.79   | 16.93 | 45.36 | 17.10 | 49.17   | 17.68 | 57.38   | 19.61 | 65.59 | 13.30 |
|     | 33                       | 29.17                       | 13.73 | 33.33   | 14.78 | 41.79   | 17.36 | 45.36 | 17.53 | 49.17   | 18.12 | 57.38   | 20.10 | 65.59 | 13.63 |
|     | 35                       | 29.17                       | 14.07 | 33.33   | 15.15 | 41.79   | 17.79 | 45.36 | 17.97 | 49.17   | 18.57 | 57.38   | 20.60 | 65.59 | 13.96 |
|     | 37                       | 29.17                       | 14.38 | 33.33   | 15.49 | 41.79   | 18.19 | 45.36 | 18.37 | 49.17   | 18.99 | 54.05   | 19.84 | 58.75 | 12.80 |
|     | 39                       | 29.17                       | 14.70 | 33.33   | 15.83 | 41.79   | 18.59 | 45.00 | 18.63 | 47.38   | 18.71 | 50.60   | 18.99 | 55.00 | 12.25 |
|     | 41                       | 29.17                       | 15.02 | 33.33   | 16.18 | 41.79   | 19.00 | 43.21 | 18.29 | 45.82   | 18.49 | 49.62   | 19.03 | 53.94 | 12.27 |
|     | 43                       | 29.17                       | 15.35 | 33.33   | 16.53 | 40.23   | 18.68 | 42.34 | 18.30 | 44.46   | 18.33 | 48.70   | 19.08 | 52.93 | 12.30 |
|     | 46                       | 29.17                       | 15.67 | 33.33   | 16.88 | 39.46   | 18.72 | 41.54 | 18.34 | 43.62   | 18.36 | 47.77   | 19.11 | 51.92 | 12.33 |
|     | 48                       | 28.40                       | 15.74 | 32.18   | 16.81 | 35.97   | 17.60 | 37.86 | 17.24 | 39.76   | 17.26 | 43.54   | 17.97 | 47.33 | 11.59 |
|     | 50                       | 26.56                       | 15.02 | 30.10   | 16.04 | 33.64   | 16.79 | 35.41 | 16.45 | 37.18   | 16.47 | 40.72   | 17.15 | 44.26 | 11.06 |
|     | 52                       | 24.72                       | 14.26 | 28.02   | 15.23 | 31.31   | 15.95 | 32.96 | 15.62 | 34.61   | 15.64 | 37.90   | 16.28 | 41.20 | 10.50 |
|     | 55                       | 22.88                       | 13.47 | 25.93   | 14.38 | 28.98   | 15.06 | 30.51 | 14.75 | 32.03   | 14.77 | 35.08   | 15.37 | 38.13 | 9.91  |
| 80% | -15                      | 25.95                       | 5.32  | 29.64   | 5.73  | 37.14   | 6.73  | 40.82 | 6.88  | 44.52   | 7.16  | 51.07   | 7.80  | 58.20 | 5.28  |
|     | -10                      | 25.95                       | 5.95  | 29.64   | 6.41  | 37.14   | 7.52  | 40.82 | 7.69  | 44.52   | 8.00  | 51.07   | 8.72  | 58.20 | 5.90  |
|     | -5                       | 25.95                       | 6.59  | 29.64   | 7.09  | 37.14   | 8.33  | 40.82 | 8.52  | 44.52   | 8.86  | 51.07   | 9.66  | 58.20 | 6.53  |
|     | -2                       | 25.95                       | 6.98  | 29.64   | 7.51  | 37.14   | 8.82  | 40.82 | 9.02  | 44.52   | 9.38  | 51.07   | 10.23 | 58.20 | 6.92  |
|     | 0                        | 25.95                       | 7.24  | 29.64   | 7.79  | 37.14   | 9.15  | 40.82 | 9.36  | 44.52   | 9.73  | 51.07   | 10.61 | 58.20 | 7.18  |
|     | 2                        | 25.95                       | 7.51  | 29.64   | 8.08  | 37.14   | 9.48  | 40.82 | 9.70  | 44.52   | 10.09 | 51.07   | 11.00 | 58.20 | 7.44  |
|     | 4                        | 25.95                       | 7.77  | 29.64   | 8.36  | 37.14   | 9.81  | 40.82 | 10.04 | 44.52   | 10.44 | 51.07   | 11.38 | 58.20 | 7.70  |
|     | 6                        | 25.95                       | 8.04  | 29.64   | 8.65  | 37.14   | 10.15 | 40.82 | 10.38 | 44.52   | 10.80 | 51.07   | 11.77 | 58.20 | 7.96  |
|     | 8                        | 25.95                       | 8.30  | 29.64   | 8.94  | 37.14   | 10.49 | 40.82 | 10.73 | 44.52   | 11.16 | 51.07   | 12.17 | 58.20 | 8.23  |
|     | 10                       | 25.95                       | 8.57  | 29.64   | 9.23  | 37.14   | 10.83 | 40.82 | 11.08 | 44.52   | 11.52 | 51.07   | 12.56 | 58.20 | 8.49  |
|     | 12                       | 25.95                       | 8.85  | 29.64   | 9.52  | 37.14   | 11.17 | 40.82 | 11.43 | 44.52   | 11.89 | 51.07   | 12.96 | 58.20 | 8.76  |
|     | 14                       | 25.95                       | 9.12  | 29.64   | 9.81  | 37.14   | 11.52 | 40.82 | 11.78 | 44.52   | 12.25 | 51.07   | 13.36 | 58.20 | 9.03  |
|     | 16                       | 25.95                       | 9.39  | 29.64   | 10.11 | 37.14   | 11.87 | 40.82 | 12.14 | 44.52   | 12.62 | 51.07   | 13.76 | 58.20 | 9.31  |
|     | 18                       | 25.95                       | 9.67  | 29.64   | 10.41 | 37.14   | 12.22 | 40.82 | 12.50 | 44.52   | 12.99 | 51.07   | 14.17 | 58.20 | 9.58  |
|     | 20                       | 25.95                       | 9.95  | 29.64   | 10.71 | 37.14   | 12.57 | 40.82 | 12.86 | 44.52   | 13.37 | 51.07   | 14.58 | 58.20 | 9.86  |
|     | 21                       | 25.95                       | 10.09 | 29.64   | 10.86 | 37.14   | 12.74 | 40.82 | 13.04 | 44.52   | 13.56 | 51.07   | 14.78 | 58.20 | 9.99  |
|     | 23                       | 25.95                       | 10.37 | 29.64   | 11.16 | 37.14   | 13.10 | 40.82 | 13.40 | 44.52   | 13.94 | 51.07   | 15.19 | 58.20 | 10.27 |
|     | 25                       | 25.95                       | 10.65 | 29.64   | 11.46 | 37.14   | 13.46 | 40.82 | 13.77 | 44.52   | 14.32 | 51.07   | 15.61 | 58.20 | 10.55 |
|     | 27                       | 25.95                       | 10.94 | 29.64   | 11.77 | 37.14   | 13.82 | 40.82 | 14.13 | 44.52   | 14.70 | 51.07   | 16.02 | 58.20 | 10.84 |
|     | 29                       | 25.95                       | 11.23 | 29.64   | 12.08 | 37.14   | 14.18 | 40.82 | 14.50 | 44.52   | 15.08 | 51.07   | 16.45 | 58.20 | 11.12 |
|     | 31                       | 25.95                       | 11.51 | 29.64   | 12.39 | 37.14   | 14.54 | 40.82 | 14.88 | 44.52   | 15.47 | 51.07   | 16.87 | 58.20 | 11.41 |
|     | 33                       | 25.95                       | 11.80 | 29.64   | 12.70 | 37.14   | 14.91 | 40.82 | 15.25 | 44.52   | 15.86 | 51.07   | 17.29 | 58.20 | 11.69 |
|     | 35                       | 25.95                       | 12.10 | 29.64   | 13.02 | 37.14   | 15.28 | 40.82 | 15.63 | 44.52   | 16.26 | 51.07   | 17.72 | 58.20 | 11.98 |
|     | 37                       | 25.95                       | 12.37 | 29.64   | 13.31 | 37.14   | 15.63 | 40.82 | 15.98 | 44.52   | 16.62 | 51.07   | 18.12 | 58.20 | 12.25 |
|     | 39                       | 25.95                       | 12.64 | 29.64   | 13.61 | 37.14   | 15.97 | 40.82 | 16.34 | 44.52   | 16.99 | 50.60   | 18.35 | 55.00 | 11.84 |
|     | 41                       | 25.95                       | 12.92 | 29.64   | 13.90 | 37.14   | 16.32 | 40.82 | 16.70 | 43.05   | 16.79 | 47.15   | 17.48 | 51.25 | 11.27 |
|     | 43                       | 25.95                       | 13.20 | 29.64   | 14.20 | 36.43   | 16.35 | 38.45 | 16.07 | 41.07   | 16.36 | 43.82   | 16.59 | 47.63 | 10.70 |
|     | 46                       | 25.95                       | 13.48 | 29.64   | 14.51 | 35.51   | 16.28 | 37.38 | 15.95 | 39.25   | 15.97 | 42.99   | 16.62 | 46.72 | 10.72 |
|     | 48                       | 25.95                       | 13.90 | 28.96   | 14.62 | 32.37   | 15.30 | 34.07 | 14.99 | 35.77   | 15.01 | 39.18   | 15.63 | 42.59 | 10.08 |
|     | 50                       | 23.90                       | 13.07 | 27.08   | 13.95 | 30.27   | 14.61 | 31.86 | 14.31 | 33.46   | 14.33 | 36.64   | 14.91 | 39.83 | 9.62  |
|     | 52                       | 22.24                       | 12.41 | 25.21   | 13.25 | 28.18   | 13.87 | 29.66 | 13.59 | 31.14   | 13.60 | 34.11   | 14.16 | 37.07 | 9.13  |
|     | 55                       | 20.59                       | 11.71 | 23.33   | 12.51 | 26.08   | 13.09 | 27.45 | 12.83 | 28.83   | 12.84 | 31.57   | 13.37 | 34.32 | 8.62  |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.6:18HP cooling capacity(continued)

| CR  | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |       |         |       |         |       |       |       |         |       |         |       |       |       |
|-----|--------------------------|-----------------------------|-------|---------|-------|---------|-------|-------|-------|---------|-------|---------|-------|-------|-------|
|     |                          | 20.8/14                     |       | 23.3/16 |       | 25.8/18 |       | 27/19 |       | 28.2/20 |       | 30.7/22 |       | 32/24 |       |
|     |                          | TC                          | PI    | TC      | PI    | TC      | PI    | TC    | PI    | TC      | PI    | TC      | PI    | TC    | PI    |
| 70% | -15                      | 22.74                       | 4.49  | 25.95   | 4.82  | 32.50   | 5.66  | 35.71 | 5.79  | 38.93   | 6.02  | 45.24   | 6.65  | 50.95 | 4.44  |
|     | -10                      | 22.74                       | 5.02  | 25.95   | 5.39  | 32.50   | 6.33  | 35.71 | 6.47  | 38.93   | 6.73  | 45.24   | 7.43  | 50.95 | 4.97  |
|     | -5                       | 22.74                       | 5.56  | 25.95   | 5.97  | 32.50   | 7.01  | 35.71 | 7.17  | 38.93   | 7.45  | 45.24   | 8.23  | 50.95 | 5.50  |
|     | -2                       | 22.74                       | 5.88  | 25.95   | 6.33  | 32.50   | 7.42  | 35.71 | 7.59  | 38.93   | 7.89  | 45.24   | 8.71  | 50.95 | 5.82  |
|     | 0                        | 22.74                       | 6.10  | 25.95   | 6.56  | 32.50   | 7.70  | 35.71 | 7.87  | 38.93   | 8.18  | 45.24   | 9.04  | 50.95 | 6.04  |
|     | 2                        | 22.74                       | 6.32  | 25.95   | 6.80  | 32.50   | 7.98  | 35.71 | 8.16  | 38.93   | 8.48  | 45.24   | 9.37  | 50.95 | 6.26  |
|     | 4                        | 22.74                       | 6.55  | 25.95   | 7.04  | 32.50   | 8.26  | 35.71 | 8.45  | 38.93   | 8.78  | 45.24   | 9.70  | 50.95 | 6.48  |
|     | 6                        | 22.74                       | 6.77  | 25.95   | 7.28  | 32.50   | 8.54  | 35.71 | 8.74  | 38.93   | 9.08  | 45.24   | 10.03 | 50.95 | 6.70  |
|     | 8                        | 22.74                       | 7.00  | 25.95   | 7.52  | 32.50   | 8.83  | 35.71 | 9.03  | 38.93   | 9.38  | 45.24   | 10.36 | 50.95 | 6.93  |
|     | 10                       | 22.74                       | 7.22  | 25.95   | 7.77  | 32.50   | 9.11  | 35.71 | 9.32  | 38.93   | 9.69  | 45.24   | 10.70 | 50.95 | 7.15  |
|     | 12                       | 22.74                       | 7.45  | 25.95   | 8.01  | 32.50   | 9.40  | 35.71 | 9.62  | 38.93   | 9.99  | 45.24   | 11.04 | 50.95 | 7.38  |
|     | 14                       | 22.74                       | 7.68  | 25.95   | 8.26  | 32.50   | 9.69  | 35.71 | 9.91  | 38.93   | 10.30 | 45.24   | 11.38 | 50.95 | 7.61  |
|     | 16                       | 22.74                       | 7.91  | 25.95   | 8.51  | 32.50   | 9.99  | 35.71 | 10.21 | 38.93   | 10.61 | 45.24   | 11.72 | 50.95 | 7.83  |
|     | 18                       | 22.74                       | 8.15  | 25.95   | 8.76  | 32.50   | 10.28 | 35.71 | 10.51 | 38.93   | 10.93 | 45.24   | 12.07 | 50.95 | 8.07  |
|     | 20                       | 22.74                       | 8.38  | 25.95   | 9.01  | 32.50   | 10.58 | 35.71 | 10.82 | 38.93   | 11.24 | 45.24   | 12.42 | 50.95 | 8.30  |
|     | 21                       | 22.74                       | 8.50  | 25.95   | 9.14  | 32.50   | 10.72 | 35.71 | 10.97 | 38.93   | 11.40 | 45.24   | 12.59 | 50.95 | 8.41  |
|     | 23                       | 22.74                       | 8.74  | 25.95   | 9.40  | 32.50   | 11.02 | 35.71 | 11.27 | 38.93   | 11.72 | 45.24   | 12.94 | 50.95 | 8.65  |
|     | 25                       | 22.74                       | 8.98  | 25.95   | 9.65  | 32.50   | 11.32 | 35.71 | 11.58 | 38.93   | 12.04 | 45.24   | 13.30 | 50.95 | 8.89  |
|     | 27                       | 22.74                       | 9.22  | 25.95   | 9.91  | 32.50   | 11.63 | 35.71 | 11.89 | 38.93   | 12.36 | 45.24   | 13.65 | 50.95 | 9.12  |
|     | 29                       | 22.74                       | 9.46  | 25.95   | 10.17 | 32.50   | 11.93 | 35.71 | 12.20 | 38.93   | 12.68 | 45.24   | 14.01 | 50.95 | 9.36  |
|     | 31                       | 22.74                       | 9.70  | 25.95   | 10.43 | 32.50   | 12.24 | 35.71 | 12.52 | 38.93   | 13.01 | 45.24   | 14.37 | 50.95 | 9.60  |
|     | 33                       | 22.74                       | 9.95  | 25.95   | 10.70 | 32.50   | 12.55 | 35.71 | 12.83 | 38.93   | 13.34 | 45.24   | 14.73 | 50.95 | 9.85  |
|     | 35                       | 22.74                       | 10.19 | 25.95   | 10.96 | 32.50   | 12.86 | 35.71 | 13.15 | 38.93   | 13.67 | 45.24   | 15.10 | 50.95 | 10.09 |
|     | 37                       | 22.74                       | 10.42 | 25.95   | 11.21 | 32.50   | 13.15 | 35.71 | 13.45 | 38.93   | 13.98 | 45.24   | 15.44 | 50.95 | 10.32 |
|     | 39                       | 22.74                       | 10.65 | 25.95   | 11.46 | 32.50   | 13.44 | 35.71 | 13.75 | 38.93   | 14.29 | 45.24   | 15.78 | 50.95 | 10.55 |
|     | 41                       | 22.74                       | 10.89 | 25.95   | 11.71 | 32.50   | 13.74 | 35.71 | 14.05 | 38.93   | 14.60 | 45.24   | 16.13 | 50.95 | 10.78 |
|     | 43                       | 22.74                       | 11.12 | 25.95   | 11.96 | 32.50   | 14.03 | 35.71 | 14.35 | 38.93   | 14.91 | 43.70   | 15.91 | 47.50 | 10.26 |
|     | 46                       | 22.74                       | 11.36 | 25.95   | 12.21 | 32.50   | 14.33 | 35.00 | 14.36 | 36.75   | 14.38 | 40.25   | 14.97 | 43.75 | 9.65  |
|     | 48                       | 22.74                       | 11.72 | 25.95   | 12.60 | 29.64   | 13.48 | 30.50 | 12.91 | 32.03   | 12.92 | 35.07   | 13.45 | 38.13 | 8.68  |
|     | 50                       | 21.17                       | 11.13 | 23.99   | 11.88 | 26.81   | 12.44 | 28.22 | 12.19 | 29.63   | 12.20 | 32.45   | 12.70 | 35.28 | 8.19  |
|     | 52                       | 19.70                       | 10.57 | 22.33   | 11.28 | 24.95   | 11.81 | 26.27 | 11.57 | 27.58   | 11.59 | 30.21   | 12.06 | 32.83 | 7.78  |
|     | 55                       | 18.24                       | 9.98  | 20.67   | 10.65 | 23.10   | 11.15 | 24.31 | 10.93 | 25.53   | 10.94 | 27.96   | 11.39 | 30.39 | 7.34  |
| 60% | -15                      | 19.52                       | 3.68  | 22.26   | 3.96  | 27.85   | 4.64  | 30.60 | 4.74  | 33.33   | 4.93  | 38.93   | 5.47  | 44.05 | 3.67  |
|     | -10                      | 19.52                       | 4.12  | 22.26   | 4.42  | 27.85   | 5.18  | 30.60 | 5.30  | 33.33   | 5.51  | 38.93   | 6.11  | 44.05 | 4.10  |
|     | -5                       | 19.52                       | 4.56  | 22.26   | 4.90  | 27.85   | 5.74  | 30.60 | 5.87  | 33.33   | 6.10  | 38.93   | 6.77  | 44.05 | 4.54  |
|     | -2                       | 19.52                       | 4.83  | 22.26   | 5.19  | 27.85   | 6.08  | 30.60 | 6.22  | 33.33   | 6.46  | 38.93   | 7.17  | 44.05 | 4.81  |
|     | 0                        | 19.52                       | 5.01  | 22.26   | 5.38  | 27.85   | 6.31  | 30.60 | 6.45  | 33.33   | 6.70  | 38.93   | 7.44  | 44.05 | 4.99  |
|     | 2                        | 19.52                       | 5.19  | 22.26   | 5.58  | 27.85   | 6.54  | 30.60 | 6.68  | 33.33   | 6.94  | 38.93   | 7.71  | 44.05 | 5.17  |
|     | 4                        | 19.52                       | 5.37  | 22.26   | 5.77  | 27.85   | 6.77  | 30.60 | 6.92  | 33.33   | 7.19  | 38.93   | 7.98  | 44.05 | 5.36  |
|     | 6                        | 19.52                       | 5.56  | 22.26   | 5.97  | 27.85   | 7.00  | 30.60 | 7.15  | 33.33   | 7.43  | 38.93   | 8.25  | 44.05 | 5.54  |
|     | 8                        | 19.52                       | 5.74  | 22.26   | 6.17  | 27.85   | 7.23  | 30.60 | 7.39  | 33.33   | 7.68  | 38.93   | 8.53  | 44.05 | 5.72  |
|     | 10                       | 19.52                       | 5.93  | 22.26   | 6.37  | 27.85   | 7.47  | 30.60 | 7.63  | 33.33   | 7.93  | 38.93   | 8.80  | 44.05 | 5.91  |
|     | 12                       | 19.52                       | 3.83  | 22.26   | 4.12  | 27.85   | 4.83  | 30.60 | 4.93  | 33.33   | 5.13  | 38.93   | 5.69  | 44.05 | 6.10  |
|     | 14                       | 19.52                       | 3.95  | 22.26   | 4.25  | 27.85   | 4.97  | 30.60 | 5.09  | 33.33   | 5.28  | 38.93   | 5.87  | 44.05 | 6.29  |
|     | 16                       | 19.52                       | 4.07  | 22.26   | 4.37  | 27.85   | 5.13  | 30.60 | 5.24  | 33.33   | 5.44  | 38.93   | 6.04  | 44.05 | 6.47  |
|     | 18                       | 19.52                       | 4.19  | 22.26   | 4.50  | 27.85   | 5.28  | 30.60 | 5.39  | 33.33   | 5.60  | 38.93   | 6.22  | 44.05 | 6.67  |
|     | 20                       | 19.52                       | 4.31  | 22.26   | 4.63  | 27.85   | 5.43  | 30.60 | 5.55  | 33.33   | 5.77  | 38.93   | 6.40  | 44.05 | 6.86  |
|     | 21                       | 19.52                       | 4.37  | 22.26   | 4.70  | 27.85   | 5.50  | 30.60 | 5.63  | 33.33   | 5.85  | 38.93   | 6.49  | 44.05 | 6.95  |
|     | 23                       | 19.52                       | 4.49  | 22.26   | 4.83  | 27.85   | 5.66  | 30.60 | 5.79  | 33.33   | 6.01  | 38.93   | 6.67  | 44.05 | 7.15  |
|     | 25                       | 19.52                       | 4.62  | 22.26   | 4.96  | 27.85   | 5.81  | 30.60 | 5.94  | 33.33   | 6.17  | 38.93   | 6.85  | 44.05 | 7.34  |
|     | 27                       | 19.52                       | 4.74  | 22.26   | 5.09  | 27.85   | 5.97  | 30.60 | 6.10  | 33.33   | 6.34  | 38.93   | 7.04  | 44.05 | 7.54  |
|     | 29                       | 19.52                       | 4.86  | 22.26   | 5.23  | 27.85   | 6.12  | 30.60 | 6.26  | 33.33   | 6.51  | 38.93   | 7.22  | 44.05 | 7.74  |
|     | 31                       | 19.52                       | 4.99  | 22.26   | 5.36  | 27.85   | 6.28  | 30.60 | 6.42  | 33.33   | 6.67  | 38.93   | 7.41  | 44.05 | 7.94  |
|     | 33                       | 19.52                       | 5.12  | 22.26   | 5.50  | 27.85   | 6.44  | 30.60 | 6.59  | 33.33   | 6.84  | 38.93   | 7.59  | 44.05 | 8.14  |
|     | 35                       | 19.52                       | 5.24  | 22.26   | 5.63  | 27.85   | 6.60  | 30.60 | 6.75  | 33.33   | 7.01  | 38.93   | 7.78  | 44.05 | 8.34  |
|     | 37                       | 19.52                       | 5.36  | 22.26   | 5.76  | 27.85   | 6.75  | 30.60 | 6.90  | 33.33   | 7.17  | 38.93   | 7.96  | 44.05 | 8.53  |
|     | 39                       | 19.52                       | 5.48  | 22.26   | 5.89  | 27.85   | 6.90  | 30.60 | 7.05  | 33.33   | 7.33  | 38.93   | 8.13  | 44.05 | 8.72  |
|     | 41                       | 19.52                       | 5.60  | 22.26   | 6.02  | 27.85   | 7.05  | 30.60 | 7.21  | 33.33   | 7.49  | 38.93   | 8.31  | 44.05 | 8.91  |
|     | 43                       | 19.52                       | 5.72  | 22.26   | 6.15  | 27.85   | 7.20  | 30.60 | 7.36  | 33.33   | 7.65  | 38.93   | 8.49  | 44.05 | 9.10  |
|     | 46                       | 19.52                       | 5.84  | 22.26   | 6.28  | 27.85   | 7.35  | 30.60 | 7.52  | 33.33   | 7.81  | 38.93   | 8.67  | 43.75 | 9.23  |
|     | 48                       | 19.52                       | 6.03  | 22.26   | 6.47  | 27.85   | 7.59  | 30.50 | 7.73  | 32.03   | 7.74  | 35.07   | 8.06  | 38.13 | 8.30  |
|     | 50                       | 19.52                       | 6.15  | 22.26   | 6.61  | 26.12   | 7.26  | 27.50 | 7.11  | 28.87   | 7.12  | 31.62   | 7.42  | 34.38 | 7.63  |
|     | 52                       | 18.38                       | 5.90  | 20.83   | 6.30  | 23.27   | 6.60  | 24.50 | 6.47  | 25.72   | 6.47  | 28.17   | 6.74  | 30.63 | 6.94  |
|     | 55                       | 16.12                       | 5.28  | 18.28   | 5.64  | 20.43   | 5.91  | 21.50 | 5.79  | 22.57   | 5.79  | 24.73   | 6.03  | 26.88 | 6.21  |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

## V8 PRO VRF 50Hz



Table2-8.6:18HP cooling capacity(continued)

| CR  | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |      |         |      |         |      |       |      |         |      |         |      |       |      |
|-----|--------------------------|-----------------------------|------|---------|------|---------|------|-------|------|---------|------|---------|------|-------|------|
|     |                          | 20.8/14                     |      | 23.3/16 |      | 25.8/18 |      | 27/19 |      | 28.2/20 |      | 30.7/22 |      | 32/24 |      |
|     |                          | TC                          | PI   | TC      | PI   | TC      | PI   | TC    | PI   | TC      | PI   | TC      | PI   | TC    | PI   |
| 50% | -15                      | 16.19                       | 1.82 | 18.57   | 1.96 | 23.21   | 2.30 | 25.48 | 2.35 | 27.85   | 2.45 | 32.50   | 2.71 | 37.14 | 2.94 |
|     | -10                      | 16.19                       | 2.03 | 18.57   | 2.19 | 23.21   | 2.57 | 25.48 | 2.63 | 27.85   | 2.74 | 32.50   | 3.04 | 37.14 | 3.28 |
|     | -5                       | 16.19                       | 2.25 | 18.57   | 2.43 | 23.21   | 2.85 | 25.48 | 2.91 | 27.85   | 3.03 | 32.50   | 3.36 | 37.14 | 3.64 |
|     | -2                       | 16.19                       | 2.38 | 18.57   | 2.57 | 23.21   | 3.01 | 25.48 | 3.08 | 27.85   | 3.21 | 32.50   | 3.56 | 37.14 | 3.85 |
|     | 0                        | 16.19                       | 2.47 | 18.57   | 2.67 | 23.21   | 3.13 | 25.48 | 3.19 | 27.85   | 3.33 | 32.50   | 3.69 | 37.14 | 4.00 |
|     | 2                        | 16.19                       | 2.56 | 18.57   | 2.77 | 23.21   | 3.24 | 25.48 | 3.31 | 27.85   | 3.45 | 32.50   | 3.83 | 37.14 | 4.14 |
|     | 4                        | 16.19                       | 2.65 | 18.57   | 2.86 | 23.21   | 3.35 | 25.48 | 3.43 | 27.85   | 3.57 | 32.50   | 3.96 | 37.14 | 4.29 |
|     | 6                        | 16.19                       | 2.74 | 18.57   | 2.96 | 23.21   | 3.47 | 25.48 | 3.54 | 27.85   | 3.69 | 32.50   | 4.10 | 37.14 | 4.43 |
|     | 8                        | 16.19                       | 2.83 | 18.57   | 3.06 | 23.21   | 3.58 | 25.48 | 3.66 | 27.85   | 3.82 | 32.50   | 4.23 | 37.14 | 4.58 |
|     | 10                       | 16.19                       | 2.92 | 18.57   | 3.16 | 23.21   | 3.70 | 25.48 | 3.78 | 27.85   | 3.94 | 32.50   | 4.37 | 37.14 | 4.73 |
|     | 12                       | 16.19                       | 3.02 | 18.57   | 3.26 | 23.21   | 3.82 | 25.48 | 3.90 | 27.85   | 4.06 | 32.50   | 4.51 | 37.14 | 4.88 |
|     | 14                       | 16.19                       | 3.11 | 18.57   | 3.36 | 23.21   | 3.94 | 25.48 | 4.02 | 27.85   | 4.19 | 32.50   | 4.65 | 37.14 | 5.03 |
|     | 16                       | 16.19                       | 3.20 | 18.57   | 3.46 | 23.21   | 4.06 | 25.48 | 4.14 | 27.85   | 4.32 | 32.50   | 4.79 | 37.14 | 5.18 |
|     | 18                       | 16.19                       | 3.30 | 18.57   | 3.56 | 23.21   | 4.17 | 25.48 | 4.26 | 27.85   | 4.44 | 32.50   | 4.93 | 37.14 | 5.33 |
|     | 20                       | 16.19                       | 3.39 | 18.57   | 3.67 | 23.21   | 4.29 | 25.48 | 4.39 | 27.85   | 4.57 | 32.50   | 5.07 | 37.14 | 5.49 |
|     | 21                       | 16.19                       | 3.44 | 18.57   | 3.72 | 23.21   | 4.36 | 25.48 | 4.45 | 27.85   | 4.64 | 32.50   | 5.14 | 37.14 | 5.57 |
|     | 23                       | 16.19                       | 3.54 | 18.57   | 3.82 | 23.21   | 4.48 | 25.48 | 4.57 | 27.85   | 4.77 | 32.50   | 5.29 | 37.14 | 5.72 |
|     | 25                       | 16.19                       | 3.63 | 18.57   | 3.93 | 23.21   | 4.60 | 25.48 | 4.70 | 27.85   | 4.90 | 32.50   | 5.43 | 37.14 | 5.88 |
|     | 27                       | 16.19                       | 3.73 | 18.57   | 4.03 | 23.21   | 4.72 | 25.48 | 4.82 | 27.85   | 5.03 | 32.50   | 5.58 | 37.14 | 6.03 |
|     | 29                       | 16.19                       | 3.83 | 18.57   | 4.14 | 23.21   | 4.85 | 25.48 | 4.95 | 27.85   | 5.16 | 32.50   | 5.72 | 37.14 | 6.19 |
|     | 31                       | 16.19                       | 3.93 | 18.57   | 4.24 | 23.21   | 4.97 | 25.48 | 5.08 | 27.85   | 5.29 | 32.50   | 5.87 | 37.14 | 6.35 |
|     | 33                       | 16.19                       | 4.03 | 18.57   | 4.35 | 23.21   | 5.10 | 25.48 | 5.20 | 27.85   | 5.42 | 32.50   | 6.02 | 37.14 | 6.51 |
|     | 35                       | 16.19                       | 4.13 | 18.57   | 4.46 | 23.21   | 5.22 | 25.48 | 5.33 | 27.85   | 5.56 | 32.50   | 6.17 | 37.14 | 6.67 |
|     | 37                       | 16.19                       | 4.22 | 18.57   | 4.56 | 23.21   | 5.34 | 25.48 | 5.45 | 27.85   | 5.68 | 32.50   | 6.31 | 37.14 | 6.82 |
|     | 39                       | 16.19                       | 4.31 | 18.57   | 4.66 | 23.21   | 5.46 | 25.48 | 5.58 | 27.85   | 5.81 | 32.50   | 6.45 | 37.14 | 6.98 |
|     | 41                       | 16.19                       | 4.41 | 18.57   | 4.76 | 23.21   | 5.58 | 25.48 | 5.70 | 27.85   | 5.94 | 32.50   | 6.59 | 37.14 | 7.13 |
|     | 43                       | 16.19                       | 4.50 | 18.57   | 4.87 | 23.21   | 5.70 | 25.48 | 5.82 | 27.85   | 6.07 | 32.50   | 6.73 | 37.14 | 7.28 |
|     | 46                       | 16.19                       | 4.60 | 18.57   | 4.97 | 23.21   | 5.82 | 25.48 | 5.94 | 27.85   | 6.19 | 32.50   | 6.87 | 37.14 | 7.44 |
|     | 48                       | 16.19                       | 4.74 | 18.57   | 5.13 | 23.21   | 6.00 | 25.48 | 6.13 | 27.85   | 6.39 | 32.50   | 7.09 | 37.14 | 7.67 |
|     | 50                       | 16.19                       | 4.84 | 18.57   | 5.23 | 23.21   | 6.13 | 25.48 | 6.26 | 27.85   | 6.52 | 31.62   | 7.04 | 34.38 | 7.24 |
|     | 52                       | 16.19                       | 4.94 | 18.57   | 5.34 | 23.21   | 6.25 | 24.50 | 6.14 | 25.72   | 6.15 | 28.17   | 6.40 | 30.63 | 6.58 |
|     | 55                       | 16.12                       | 5.02 | 18.28   | 5.36 | 20.43   | 5.61 | 21.50 | 5.49 | 22.57   | 5.50 | 24.73   | 5.73 | 26.88 | 5.89 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.



Table2-8.7:20HP cooling capacity

| CR   | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |       |         |       |         |       |       |       |         |       |         |       |       |       |
|------|--------------------------|-----------------------------|-------|---------|-------|---------|-------|-------|-------|---------|-------|---------|-------|-------|-------|
|      |                          | 20.8/14                     |       | 23.3/16 |       | 25.8/18 |       | 27/19 |       | 28.2/20 |       | 30.7/22 |       | 32/24 |       |
|      |                          | TC                          | PI    | TC      | PI    | TC      | PI    | TC    | PI    | TC      | PI    | TC      | PI    | TC    | PI    |
| 130% | -15                      | 44.91                       | 8.12  | 50.51   | 8.61  | 63.14   | 10.08 | 70.06 | 10.41 | 74.23   | 10.52 | 78.29   | 10.54 | 79.61 | 5.88  |
|      | -10                      | 44.91                       | 9.36  | 50.51   | 9.92  | 63.14   | 11.61 | 70.06 | 11.99 | 74.23   | 12.12 | 78.29   | 12.15 | 79.61 | 6.78  |
|      | -5                       | 44.91                       | 10.61 | 50.51   | 11.25 | 63.14   | 13.17 | 70.06 | 13.60 | 74.23   | 13.74 | 78.29   | 13.78 | 79.61 | 7.69  |
|      | -2                       | 44.91                       | 11.38 | 50.51   | 12.06 | 63.14   | 14.12 | 70.06 | 14.58 | 74.23   | 14.73 | 78.29   | 14.77 | 79.61 | 8.24  |
|      | 0                        | 44.91                       | 11.89 | 50.51   | 12.60 | 63.14   | 14.76 | 70.06 | 15.24 | 74.23   | 15.39 | 78.29   | 15.43 | 79.61 | 8.61  |
|      | 2                        | 44.91                       | 12.41 | 50.51   | 13.15 | 63.14   | 15.40 | 70.06 | 15.90 | 74.23   | 16.06 | 78.29   | 16.10 | 79.61 | 8.99  |
|      | 4                        | 44.91                       | 12.93 | 50.51   | 13.70 | 63.14   | 16.04 | 70.06 | 16.57 | 74.23   | 16.74 | 78.29   | 16.78 | 79.61 | 9.36  |
|      | 6                        | 44.91                       | 13.45 | 50.51   | 14.25 | 63.14   | 16.69 | 70.06 | 17.24 | 74.23   | 17.41 | 78.29   | 17.46 | 79.61 | 9.74  |
|      | 8                        | 44.91                       | 13.98 | 50.51   | 14.81 | 63.14   | 17.34 | 70.06 | 17.91 | 74.23   | 18.09 | 78.29   | 18.14 | 79.61 | 10.12 |
|      | 10                       | 44.91                       | 14.51 | 50.51   | 15.37 | 63.14   | 18.00 | 70.06 | 18.59 | 74.23   | 18.78 | 78.29   | 18.83 | 79.61 | 10.51 |
|      | 12                       | 44.91                       | 15.04 | 50.51   | 15.94 | 63.14   | 18.66 | 70.06 | 19.27 | 74.23   | 19.47 | 78.29   | 19.52 | 79.61 | 10.89 |
|      | 14                       | 44.91                       | 15.58 | 50.51   | 16.50 | 63.14   | 19.33 | 70.06 | 19.96 | 74.23   | 20.17 | 78.29   | 20.21 | 79.61 | 11.28 |
|      | 16                       | 44.91                       | 16.12 | 50.51   | 17.08 | 63.14   | 20.00 | 70.06 | 20.65 | 74.23   | 20.87 | 78.29   | 20.92 | 79.61 | 11.67 |
|      | 18                       | 44.91                       | 16.66 | 50.51   | 17.65 | 63.14   | 20.67 | 70.06 | 21.35 | 74.23   | 21.57 | 78.29   | 21.62 | 79.61 | 12.07 |
|      | 20                       | 44.91                       | 17.21 | 50.51   | 18.23 | 63.14   | 21.35 | 70.06 | 22.05 | 74.23   | 22.28 | 78.29   | 22.33 | 79.61 | 12.46 |
|      | 21                       | 44.91                       | 17.48 | 50.51   | 18.52 | 63.14   | 21.69 | 70.06 | 22.40 | 74.23   | 22.63 | 78.29   | 22.69 | 79.61 | 12.66 |
|      | 23                       | 44.91                       | 18.04 | 50.51   | 19.11 | 63.14   | 22.38 | 70.06 | 23.11 | 74.23   | 23.35 | 78.29   | 23.41 | 79.61 | 13.06 |
|      | 25                       | 44.91                       | 18.59 | 50.51   | 19.70 | 63.14   | 23.07 | 70.06 | 23.82 | 74.23   | 24.07 | 78.29   | 24.13 | 79.61 | 13.46 |
|      | 27                       | 44.91                       | 19.15 | 50.51   | 20.29 | 63.14   | 23.77 | 70.06 | 24.54 | 74.23   | 24.79 | 78.29   | 24.85 | 79.61 | 13.87 |
|      | 29                       | 44.91                       | 19.72 | 50.51   | 20.89 | 63.14   | 24.46 | 70.06 | 25.26 | 74.23   | 25.52 | 78.29   | 25.59 | 79.61 | 14.28 |
|      | 31                       | 44.91                       | 20.28 | 50.51   | 21.49 | 63.14   | 25.17 | 70.06 | 25.99 | 73.80   | 26.11 | 78.29   | 26.32 | 79.61 | 14.69 |
|      | 33                       | 44.91                       | 20.85 | 50.51   | 22.10 | 62.17   | 25.48 | 65.44 | 24.96 | 68.71   | 24.99 | 75.26   | 26.01 | 79.61 | 15.10 |
|      | 35                       | 44.91                       | 21.43 | 50.51   | 22.71 | 58.41   | 24.60 | 60.59 | 23.75 | 63.62   | 23.78 | 69.68   | 24.75 | 75.74 | 14.76 |
|      | 37                       | 44.91                       | 21.85 | 50.51   | 23.15 | 57.43   | 24.66 | 59.20 | 23.65 | 62.16   | 23.68 | 68.08   | 24.65 | 74.00 | 14.71 |
|      | 39                       | 44.14                       | 21.88 | 50.29   | 23.49 | 56.44   | 24.70 | 58.35 | 23.76 | 61.27   | 23.79 | 67.11   | 24.77 | 72.94 | 14.77 |
|      | 41                       | 44.04                       | 22.25 | 50.29   | 23.94 | 55.01   | 24.53 | 57.51 | 23.87 | 60.38   | 23.89 | 66.13   | 24.87 | 71.89 | 14.84 |
|      | 43                       | 44.14                       | 22.72 | 50.29   | 24.38 | 53.83   | 24.45 | 56.66 | 23.96 | 59.50   | 23.98 | 65.16   | 24.97 | 70.83 | 14.89 |
|      | 46                       | 44.04                       | 23.09 | 48.10   | 23.75 | 53.03   | 24.53 | 55.82 | 24.04 | 58.61   | 24.06 | 64.19   | 25.05 | 69.77 | 14.94 |
|      | 48                       | 40.63                       | 21.88 | 44.58   | 22.62 | 49.82   | 23.69 | 52.45 | 23.20 | 55.07   | 23.23 | 60.31   | 24.18 | 65.56 | 14.43 |
|      | 50                       | 37.65                       | 20.64 | 42.67   | 22.04 | 47.69   | 23.08 | 50.20 | 22.61 | 52.71   | 22.64 | 57.73   | 23.56 | 62.75 | 14.06 |
|      | 52                       | 35.96                       | 20.07 | 40.76   | 21.43 | 45.55   | 22.44 | 47.95 | 21.98 | 50.35   | 22.01 | 55.14   | 22.91 | 59.94 | 13.67 |
|      | 55                       | 34.28                       | 19.46 | 38.85   | 20.78 | 43.42   | 21.76 | 45.70 | 21.32 | 47.99   | 21.34 | 52.56   | 22.22 | 57.13 | 13.25 |
| 120% | -15                      | 42.17                       | 8.06  | 48.21   | 8.68  | 59.30   | 10.00 | 65.11 | 10.22 | 70.93   | 10.61 | 76.53   | 10.88 | 77.96 | 6.08  |
|      | -10                      | 42.17                       | 9.28  | 48.21   | 10.00 | 59.30   | 11.52 | 65.11 | 11.77 | 70.93   | 12.23 | 76.53   | 12.54 | 77.96 | 7.01  |
|      | -5                       | 42.17                       | 10.53 | 48.21   | 11.34 | 59.30   | 13.06 | 65.11 | 13.35 | 70.93   | 13.87 | 76.53   | 14.22 | 77.96 | 7.95  |
|      | -2                       | 42.17                       | 11.28 | 48.21   | 12.15 | 59.30   | 14.00 | 65.11 | 14.31 | 70.93   | 14.87 | 76.53   | 15.24 | 77.96 | 8.52  |
|      | 0                        | 42.17                       | 11.79 | 48.21   | 12.70 | 59.30   | 14.64 | 65.11 | 14.96 | 70.93   | 15.54 | 76.53   | 15.93 | 77.96 | 8.91  |
|      | 2                        | 42.17                       | 12.30 | 48.21   | 13.25 | 59.30   | 15.27 | 65.11 | 15.61 | 70.93   | 16.21 | 76.53   | 16.62 | 77.96 | 9.29  |
|      | 4                        | 42.17                       | 12.82 | 48.21   | 13.81 | 59.30   | 15.91 | 65.11 | 16.26 | 70.93   | 16.89 | 76.53   | 17.32 | 77.96 | 9.68  |
|      | 6                        | 42.17                       | 13.34 | 48.21   | 14.37 | 59.30   | 16.55 | 65.11 | 16.92 | 70.93   | 17.57 | 76.53   | 18.02 | 77.96 | 10.07 |
|      | 8                        | 42.17                       | 13.86 | 48.21   | 14.93 | 59.30   | 17.20 | 65.11 | 17.58 | 70.93   | 18.26 | 76.53   | 18.73 | 77.96 | 10.47 |
|      | 10                       | 42.17                       | 14.39 | 48.21   | 15.49 | 59.30   | 17.85 | 65.11 | 18.25 | 70.93   | 18.95 | 76.53   | 19.44 | 77.96 | 10.87 |
|      | 12                       | 42.17                       | 14.91 | 48.21   | 16.06 | 59.30   | 18.51 | 65.11 | 18.92 | 70.93   | 19.65 | 76.53   | 20.15 | 77.96 | 11.26 |
|      | 14                       | 42.17                       | 15.45 | 48.21   | 16.64 | 59.30   | 19.17 | 65.11 | 19.59 | 70.93   | 20.35 | 76.53   | 20.87 | 77.96 | 11.67 |
|      | 16                       | 42.17                       | 15.98 | 48.21   | 17.21 | 59.30   | 19.84 | 65.11 | 20.27 | 70.93   | 21.06 | 76.53   | 21.59 | 77.96 | 12.07 |
|      | 18                       | 42.17                       | 16.52 | 48.21   | 17.80 | 59.30   | 20.51 | 65.11 | 20.95 | 70.93   | 21.77 | 76.53   | 22.32 | 77.96 | 12.48 |
|      | 20                       | 42.17                       | 17.06 | 48.21   | 18.38 | 59.30   | 21.18 | 65.11 | 21.64 | 70.93   | 22.48 | 76.53   | 23.06 | 77.96 | 12.89 |
|      | 21                       | 42.17                       | 17.34 | 48.21   | 18.67 | 59.30   | 21.52 | 65.11 | 21.99 | 70.93   | 22.84 | 76.53   | 23.42 | 77.96 | 13.09 |
|      | 23                       | 42.17                       | 17.89 | 48.21   | 19.26 | 59.30   | 22.20 | 65.11 | 22.68 | 70.93   | 23.56 | 76.53   | 24.16 | 77.96 | 13.51 |
|      | 25                       | 42.17                       | 18.44 | 48.21   | 19.86 | 59.30   | 22.88 | 65.11 | 23.38 | 70.93   | 24.29 | 76.53   | 24.91 | 77.96 | 13.93 |
|      | 27                       | 42.17                       | 18.99 | 48.21   | 20.46 | 59.30   | 23.57 | 65.11 | 24.09 | 70.93   | 25.02 | 76.53   | 25.66 | 77.96 | 14.34 |
|      | 29                       | 42.17                       | 19.55 | 48.21   | 21.06 | 59.30   | 24.27 | 65.11 | 24.80 | 70.93   | 25.76 | 76.53   | 26.41 | 77.96 | 14.77 |
|      | 31                       | 42.17                       | 20.11 | 48.21   | 21.66 | 59.30   | 24.96 | 65.11 | 25.51 | 70.93   | 26.50 | 76.53   | 27.17 | 77.96 | 15.19 |
|      | 33                       | 42.17                       | 20.68 | 48.21   | 22.27 | 59.30   | 25.67 | 63.69 | 25.65 | 66.87   | 25.69 | 73.24   | 26.74 | 77.96 | 15.62 |
|      | 35                       | 42.17                       | 21.25 | 48.21   | 22.89 | 56.87   | 25.29 | 58.97 | 24.41 | 61.92   | 24.44 | 67.81   | 25.44 | 73.71 | 15.17 |
|      | 37                       | 42.17                       | 21.66 | 48.21   | 23.33 | 56.33   | 25.54 | 57.54 | 24.28 | 60.20   | 24.22 | 65.93   | 25.21 | 71.66 | 15.04 |
|      | 39                       | 42.17                       | 22.08 | 48.03   | 23.70 | 55.78   | 25.78 | 56.76 | 24.41 | 59.34   | 24.34 | 64.99   | 25.33 | 70.64 | 15.11 |
|      | 41                       | 42.17                       | 22.50 | 48.21   | 24.23 | 55.01   | 25.90 | 55.69 | 24.41 | 58.48   | 24.44 | 64.05   | 25.44 | 69.62 | 15.17 |
|      | 43                       | 41.39                       | 22.50 | 47.32   | 24.23 | 52.59   | 25.23 | 54.87 | 24.50 | 57.62   | 24.53 | 63.11   | 25.54 | 68.59 | 15.23 |
|      | 46                       | 41.39                       | 22.91 | 45.95   | 23.96 | 51.35   | 25.09 | 54.06 | 24.58 | 56.76   | 24.61 | 62.16   | 25.62 | 67.57 | 15.28 |
|      | 48                       | 38.54                       | 21.92 | 43.17   | 23.14 | 48.25   | 24.23 | 50.79 | 23.73 | 53.33   | 23.76 | 58.41   | 24.73 | 63.49 | 14.75 |
|      | 50                       | 36.46                       | 21.11 | 41.32   | 22.54 | 46.18   | 23.60 | 48.61 | 23.12 | 51.04   | 23.15 | 55.91   | 24.10 | 60.77 | 14.38 |
|      | 52                       | 34.83                       | 20.53 | 39.47   | 21.92 | 44.11   | 22.95 | 46.44 | 22.48 | 48.76   | 22.51 | 53.40   | 23.43 | 58.05 | 13.98 |
|      | 55                       | 33.19                       | 19.91 | 37.62   | 21.26 | 42.05   | 22.26 | 44.26 | 21.80 | 46.47   | 21.83 | 50.90   | 22.73 | 55.32 | 13.56 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

## V8 PRO VRF 50Hz



Table2-8.7:20HP cooling capacity(continued)

| CR   | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |       |         |       |         |       |       |       |         |       |         |       |       |       |
|------|--------------------------|-----------------------------|-------|---------|-------|---------|-------|-------|-------|---------|-------|---------|-------|-------|-------|
|      |                          | 20.8/14                     |       | 23.3/16 |       | 25.8/18 |       | 27/19 |       | 28.2/20 |       | 30.7/22 |       | 32/24 |       |
|      |                          | TC                          | PI    | TC      | PI    | TC      | PI    | TC    | PI    | TC      | PI    | TC      | PI    | TC    | PI    |
| 110% | -15                      | 39.31                       | 7.95  | 44.91   | 8.56  | 55.34   | 9.88  | 60.61 | 10.07 | 66.21   | 10.49 | 74.34   | 11.19 | 76.21 | 6.30  |
|      | -10                      | 39.31                       | 9.16  | 44.91   | 9.86  | 55.34   | 11.38 | 60.61 | 11.60 | 66.21   | 12.08 | 74.34   | 12.90 | 76.21 | 7.26  |
|      | -5                       | 39.31                       | 10.39 | 44.91   | 11.18 | 55.34   | 12.91 | 60.61 | 13.16 | 66.21   | 13.71 | 74.34   | 14.63 | 76.21 | 8.23  |
|      | -2                       | 39.31                       | 11.14 | 44.91   | 11.99 | 55.34   | 13.84 | 60.61 | 14.10 | 66.21   | 14.69 | 74.34   | 15.68 | 76.21 | 8.82  |
|      | 0                        | 39.31                       | 11.64 | 44.91   | 12.53 | 55.34   | 14.46 | 60.61 | 14.74 | 66.21   | 15.35 | 74.34   | 16.38 | 76.21 | 9.22  |
|      | 2                        | 39.31                       | 12.14 | 44.91   | 13.07 | 55.34   | 15.09 | 60.61 | 15.38 | 66.21   | 16.02 | 74.34   | 17.10 | 76.21 | 9.62  |
|      | 4                        | 39.31                       | 12.65 | 44.91   | 13.62 | 55.34   | 15.72 | 60.61 | 16.02 | 66.21   | 16.69 | 74.34   | 17.81 | 76.21 | 10.02 |
|      | 6                        | 39.31                       | 13.16 | 44.91   | 14.17 | 55.34   | 16.36 | 60.61 | 16.67 | 66.21   | 17.37 | 74.34   | 18.53 | 76.21 | 10.43 |
|      | 8                        | 39.31                       | 13.68 | 44.91   | 14.72 | 55.34   | 17.00 | 60.61 | 17.33 | 66.21   | 18.05 | 74.34   | 19.26 | 76.21 | 10.83 |
|      | 10                       | 39.31                       | 14.20 | 44.91   | 15.28 | 55.34   | 17.64 | 60.61 | 17.98 | 66.21   | 18.73 | 74.34   | 19.99 | 76.21 | 11.24 |
|      | 12                       | 39.31                       | 14.72 | 44.91   | 15.84 | 55.34   | 18.29 | 60.61 | 18.64 | 66.21   | 19.42 | 74.34   | 20.72 | 76.21 | 11.66 |
|      | 14                       | 39.31                       | 15.24 | 44.91   | 16.41 | 55.34   | 18.94 | 60.61 | 19.31 | 66.21   | 20.11 | 74.34   | 21.46 | 76.21 | 12.07 |
|      | 16                       | 39.31                       | 15.77 | 44.91   | 16.98 | 55.34   | 19.60 | 60.61 | 19.98 | 66.21   | 20.81 | 74.34   | 22.21 | 76.21 | 12.49 |
|      | 18                       | 39.31                       | 16.31 | 44.91   | 17.55 | 55.34   | 20.26 | 60.61 | 20.65 | 66.21   | 21.51 | 74.34   | 22.96 | 76.21 | 12.91 |
|      | 20                       | 39.31                       | 16.84 | 44.91   | 18.13 | 55.34   | 20.93 | 60.61 | 21.33 | 66.21   | 22.22 | 74.34   | 23.71 | 76.21 | 13.34 |
|      | 21                       | 39.31                       | 17.11 | 44.91   | 18.42 | 55.34   | 21.26 | 60.61 | 21.67 | 66.21   | 22.57 | 74.34   | 24.09 | 76.21 | 13.55 |
|      | 23                       | 39.31                       | 17.65 | 44.91   | 19.00 | 55.34   | 21.93 | 60.61 | 22.36 | 66.21   | 23.29 | 74.34   | 24.85 | 76.21 | 13.98 |
|      | 25                       | 39.31                       | 18.20 | 44.91   | 19.59 | 55.34   | 22.61 | 60.61 | 23.05 | 66.21   | 24.01 | 74.34   | 25.62 | 76.21 | 14.41 |
|      | 27                       | 39.31                       | 18.74 | 44.91   | 20.17 | 55.34   | 23.29 | 60.61 | 23.74 | 66.21   | 24.73 | 74.34   | 26.39 | 76.21 | 14.85 |
|      | 29                       | 39.31                       | 19.30 | 44.91   | 20.77 | 55.34   | 23.98 | 60.61 | 24.44 | 66.21   | 25.46 | 74.34   | 27.17 | 76.21 | 15.28 |
|      | 31                       | 39.31                       | 19.85 | 44.91   | 21.37 | 55.34   | 24.67 | 60.61 | 25.14 | 66.21   | 26.19 | 74.34   | 27.95 | 76.21 | 15.72 |
|      | 33                       | 39.31                       | 20.41 | 44.91   | 21.97 | 55.34   | 25.36 | 60.61 | 25.85 | 63.82   | 25.95 | 69.90   | 27.02 | 75.98 | 16.12 |
|      | 35                       | 39.31                       | 20.97 | 44.91   | 22.57 | 55.13   | 25.96 | 57.65 | 25.27 | 59.09   | 24.69 | 64.72   | 25.71 | 70.35 | 15.33 |
|      | 37                       | 39.31                       | 21.38 | 44.91   | 23.01 | 55.13   | 26.47 | 56.55 | 25.27 | 57.59   | 24.54 | 63.08   | 25.54 | 68.56 | 15.23 |
|      | 39                       | 39.31                       | 21.79 | 44.91   | 23.45 | 54.24   | 26.54 | 55.13 | 25.10 | 56.77   | 24.65 | 62.18   | 25.66 | 67.58 | 15.31 |
|      | 41                       | 39.31                       | 22.20 | 44.91   | 23.90 | 52.92   | 26.38 | 54.46 | 25.27 | 55.95   | 24.75 | 61.27   | 25.77 | 66.60 | 15.37 |
|      | 43                       | 39.31                       | 22.62 | 44.91   | 24.35 | 51.72   | 26.27 | 52.59 | 24.86 | 55.12   | 24.85 | 60.37   | 25.86 | 65.62 | 15.43 |
|      | 46                       | 39.31                       | 23.04 | 44.14   | 24.37 | 49.19   | 25.45 | 51.72 | 24.90 | 54.30   | 24.93 | 59.47   | 25.95 | 64.64 | 15.48 |
|      | 48                       | 36.44                       | 21.95 | 41.30   | 23.43 | 46.16   | 24.54 | 48.59 | 24.04 | 51.02   | 24.07 | 55.88   | 25.05 | 60.74 | 14.94 |
|      | 50                       | 34.88                       | 21.38 | 39.53   | 22.83 | 44.18   | 23.91 | 46.51 | 23.42 | 48.83   | 23.45 | 53.48   | 24.41 | 58.14 | 14.56 |
|      | 52                       | 33.32                       | 20.79 | 37.76   | 22.20 | 42.20   | 23.24 | 44.43 | 22.77 | 46.65   | 22.80 | 51.09   | 23.73 | 55.53 | 14.16 |
|      | 55                       | 31.76                       | 20.16 | 35.99   | 21.53 | 40.23   | 22.54 | 42.34 | 22.09 | 44.46   | 22.11 | 48.69   | 23.02 | 52.93 | 13.73 |
| 100% | -15                      | 36.34                       | 7.80  | 41.50   | 8.39  | 51.06   | 9.67  | 56.11 | 9.89  | 61.27   | 10.30 | 71.37   | 11.41 | 74.23 | 6.51  |
|      | -10                      | 36.34                       | 8.99  | 41.50   | 9.67  | 51.06   | 11.15 | 56.11 | 11.40 | 61.27   | 11.87 | 71.37   | 13.14 | 74.23 | 7.50  |
|      | -5                       | 36.34                       | 10.19 | 41.50   | 10.97 | 51.06   | 12.64 | 56.11 | 12.93 | 61.27   | 13.46 | 71.37   | 14.90 | 74.23 | 8.51  |
|      | -2                       | 36.34                       | 10.93 | 41.50   | 11.75 | 51.06   | 13.55 | 56.11 | 13.86 | 61.27   | 14.43 | 71.37   | 15.97 | 74.23 | 9.12  |
|      | 0                        | 36.34                       | 11.42 | 41.50   | 12.28 | 51.06   | 14.16 | 56.11 | 14.48 | 61.27   | 15.08 | 71.37   | 16.69 | 74.23 | 9.53  |
|      | 2                        | 36.34                       | 11.91 | 41.50   | 12.82 | 51.06   | 14.77 | 56.11 | 15.11 | 61.27   | 15.73 | 71.37   | 17.42 | 74.23 | 9.94  |
|      | 4                        | 36.34                       | 12.41 | 41.50   | 13.35 | 51.06   | 15.39 | 56.11 | 15.74 | 61.27   | 16.39 | 71.37   | 18.15 | 74.23 | 10.36 |
|      | 6                        | 36.34                       | 12.91 | 41.50   | 13.90 | 51.06   | 16.02 | 56.11 | 16.38 | 61.27   | 17.06 | 71.37   | 18.88 | 74.23 | 10.78 |
|      | 8                        | 36.34                       | 13.42 | 41.50   | 14.44 | 51.06   | 16.64 | 56.11 | 17.02 | 61.27   | 17.72 | 71.37   | 19.62 | 74.23 | 11.20 |
|      | 10                       | 36.34                       | 13.93 | 41.50   | 14.99 | 51.06   | 17.27 | 56.11 | 17.67 | 61.27   | 18.40 | 71.37   | 20.37 | 74.23 | 11.62 |
|      | 12                       | 36.34                       | 14.44 | 41.50   | 15.54 | 51.06   | 17.91 | 56.11 | 18.32 | 61.27   | 19.07 | 71.37   | 21.11 | 74.23 | 12.05 |
|      | 14                       | 36.34                       | 14.96 | 41.50   | 16.09 | 51.06   | 18.55 | 56.11 | 18.97 | 61.27   | 19.75 | 71.37   | 21.87 | 74.23 | 12.48 |
|      | 16                       | 36.34                       | 15.48 | 41.50   | 16.65 | 51.06   | 19.19 | 56.11 | 19.63 | 61.27   | 20.44 | 71.37   | 22.63 | 74.23 | 12.91 |
|      | 18                       | 36.34                       | 16.00 | 41.50   | 17.21 | 51.06   | 19.84 | 56.11 | 20.29 | 61.27   | 21.13 | 71.37   | 23.39 | 74.23 | 13.35 |
|      | 20                       | 36.34                       | 16.52 | 41.50   | 17.78 | 51.06   | 20.49 | 56.11 | 20.96 | 61.27   | 21.82 | 71.37   | 24.16 | 74.23 | 13.79 |
|      | 21                       | 36.34                       | 16.79 | 41.50   | 18.06 | 51.06   | 20.82 | 56.11 | 21.29 | 61.27   | 22.17 | 71.37   | 24.55 | 74.23 | 14.01 |
|      | 23                       | 36.34                       | 17.32 | 41.50   | 18.63 | 51.06   | 21.48 | 56.11 | 21.97 | 61.27   | 22.87 | 71.37   | 25.32 | 74.23 | 14.45 |
|      | 25                       | 36.34                       | 17.85 | 41.50   | 19.21 | 51.06   | 22.14 | 56.11 | 22.64 | 61.27   | 23.58 | 71.37   | 26.10 | 74.23 | 14.90 |
|      | 27                       | 36.34                       | 18.39 | 41.50   | 19.79 | 51.06   | 22.81 | 56.11 | 23.33 | 61.27   | 24.29 | 71.37   | 26.89 | 74.23 | 15.35 |
|      | 29                       | 36.34                       | 18.93 | 41.50   | 20.37 | 51.06   | 23.48 | 56.11 | 24.01 | 61.27   | 25.00 | 71.37   | 27.68 | 74.23 | 15.80 |
|      | 31                       | 36.34                       | 19.48 | 41.50   | 20.95 | 51.06   | 24.15 | 56.11 | 24.70 | 61.27   | 25.72 | 71.37   | 28.48 | 74.23 | 16.25 |
|      | 33                       | 36.34                       | 20.02 | 41.50   | 21.54 | 51.06   | 24.83 | 56.11 | 25.40 | 61.27   | 26.44 | 69.55   | 28.53 | 74.23 | 16.71 |
|      | 35                       | 36.34                       | 20.58 | 41.50   | 22.14 | 51.06   | 25.52 | 56.00 | 26.05 | 58.80   | 26.08 | 64.40   | 27.15 | 70.00 | 16.19 |
|      | 37                       | 36.34                       | 20.98 | 41.50   | 22.57 | 51.06   | 26.01 | 55.67 | 26.40 | 57.97   | 26.21 | 63.49   | 27.29 | 69.01 | 16.28 |
|      | 39                       | 36.34                       | 21.38 | 41.50   | 23.00 | 51.06   | 26.51 | 54.79 | 26.48 | 57.14   | 26.33 | 62.59   | 27.41 | 68.03 | 16.35 |
|      | 41                       | 36.34                       | 21.79 | 41.50   | 23.44 | 51.06   | 27.02 | 53.70 | 26.45 | 56.32   | 26.45 | 61.68   | 27.53 | 67.04 | 16.42 |
|      | 43                       | 36.34                       | 22.19 | 41.50   | 23.88 | 50.29   | 27.11 | 52.85 | 26.51 | 55.49   | 26.54 | 60.77   | 27.63 | 66.06 | 16.48 |
|      | 46                       | 36.34                       | 22.61 | 41.50   | 24.32 | 49.46   | 27.15 | 52.06 | 26.60 | 54.66   | 26.63 | 59.87   | 27.72 | 65.07 | 16.54 |
|      | 48                       | 36.34                       | 23.23 | 41.50   | 24.99 | 46.47   | 26.21 | 48.91 | 25.68 | 51.36   | 25.71 | 56.25   | 26.77 | 61.14 | 15.97 |
|      | 50                       | 35.11                       | 22.85 | 39.79   | 24.39 | 44.48   | 25.54 | 46.82 | 25.02 | 49.16   | 25.05 | 53.84   | 26.08 | 58.52 | 15.56 |
|      | 52                       | 33.54                       | 22.21 | 38.01   | 23.72 | 42.48   | 24.83 | 44.72 | 24.33 | 46.96   | 24.36 | 51.43   | 25.35 | 55.90 | 15.12 |
|      | 55                       | 31.97                       | 21.54 | 36.23   | 23.00 | 40.49   | 24.08 | 42.62 | 23.59 | 44.75   | 23.62 | 49.02   | 24.59 | 53.28 | 14.67 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...



Table2-8.7:20HP cooling capacity(continued)

| CR  | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |       |         |       |         |       |       |       |         |       |         |       |       |       |
|-----|--------------------------|-----------------------------|-------|---------|-------|---------|-------|-------|-------|---------|-------|---------|-------|-------|-------|
|     |                          | 20.8/14                     |       | 23.3/16 |       | 25.8/18 |       | 27/19 |       | 28.2/20 |       | 30.7/22 |       | 32/24 |       |
|     |                          | TC                          | PI    | TC      | PI    | TC      | PI    | TC    | PI    | TC      | PI    | TC      | PI    | TC    | PI    |
| 90% | -15                      | 32.73                       | 6.76  | 37.44   | 7.29  | 46.78   | 8.53  | 50.73 | 8.61  | 55.34   | 8.96  | 64.68   | 9.95  | 71.15 | 6.01  |
|     | -10                      | 32.73                       | 7.79  | 37.44   | 8.40  | 46.78   | 9.83  | 50.73 | 9.92  | 55.34   | 10.32 | 64.68   | 11.47 | 71.15 | 6.92  |
|     | -5                       | 32.73                       | 8.84  | 37.44   | 9.53  | 46.78   | 11.15 | 50.73 | 11.25 | 55.34   | 11.71 | 64.68   | 13.00 | 71.15 | 7.85  |
|     | -2                       | 32.73                       | 9.47  | 37.44   | 10.21 | 46.78   | 11.95 | 50.73 | 12.06 | 55.34   | 12.55 | 64.68   | 13.94 | 71.15 | 8.41  |
|     | 0                        | 32.73                       | 9.90  | 37.44   | 10.67 | 46.78   | 12.49 | 50.73 | 12.61 | 55.34   | 13.11 | 64.68   | 14.57 | 71.15 | 8.79  |
|     | 2                        | 32.73                       | 10.33 | 37.44   | 11.13 | 46.78   | 13.03 | 50.73 | 13.15 | 55.34   | 13.68 | 64.68   | 15.20 | 71.15 | 9.18  |
|     | 4                        | 32.73                       | 10.76 | 37.44   | 11.60 | 46.78   | 13.58 | 50.73 | 13.71 | 55.34   | 14.26 | 64.68   | 15.84 | 71.15 | 9.56  |
|     | 6                        | 32.73                       | 11.20 | 37.44   | 12.07 | 46.78   | 14.13 | 50.73 | 14.26 | 55.34   | 14.83 | 64.68   | 16.48 | 71.15 | 9.95  |
|     | 8                        | 32.73                       | 11.64 | 37.44   | 12.54 | 46.78   | 14.68 | 50.73 | 14.82 | 55.34   | 15.41 | 64.68   | 17.12 | 71.15 | 10.34 |
|     | 10                       | 32.73                       | 12.08 | 37.44   | 13.02 | 46.78   | 15.24 | 50.73 | 15.38 | 55.34   | 16.00 | 64.68   | 17.77 | 71.15 | 10.73 |
|     | 12                       | 32.73                       | 12.52 | 37.44   | 13.50 | 46.78   | 15.80 | 50.73 | 15.95 | 55.34   | 16.59 | 64.68   | 18.42 | 71.15 | 11.12 |
|     | 14                       | 32.73                       | 12.97 | 37.44   | 13.98 | 46.78   | 16.36 | 50.73 | 16.51 | 55.34   | 17.18 | 64.68   | 19.08 | 71.15 | 11.52 |
|     | 16                       | 32.73                       | 13.42 | 37.44   | 14.46 | 46.78   | 16.93 | 50.73 | 17.09 | 55.34   | 17.77 | 64.68   | 19.74 | 71.15 | 11.92 |
|     | 18                       | 32.73                       | 13.87 | 37.44   | 14.95 | 46.78   | 17.50 | 50.73 | 17.66 | 55.34   | 18.37 | 64.68   | 20.41 | 71.15 | 12.32 |
|     | 20                       | 32.73                       | 14.33 | 37.44   | 15.44 | 46.78   | 18.08 | 50.73 | 18.24 | 55.34   | 18.98 | 64.68   | 21.08 | 71.15 | 12.73 |
|     | 21                       | 32.73                       | 14.56 | 37.44   | 15.69 | 46.78   | 18.37 | 50.73 | 18.54 | 55.34   | 19.28 | 64.68   | 21.42 | 71.15 | 12.93 |
|     | 23                       | 32.73                       | 15.02 | 37.44   | 16.19 | 46.78   | 18.95 | 50.73 | 19.12 | 55.34   | 19.89 | 64.68   | 22.10 | 71.15 | 13.34 |
|     | 25                       | 32.73                       | 15.48 | 37.44   | 16.68 | 46.78   | 19.53 | 50.73 | 19.71 | 55.34   | 20.50 | 64.68   | 22.78 | 71.15 | 13.75 |
|     | 27                       | 32.73                       | 15.95 | 37.44   | 17.19 | 46.78   | 20.12 | 50.73 | 20.31 | 55.34   | 21.12 | 64.68   | 23.46 | 71.15 | 14.16 |
|     | 29                       | 32.73                       | 16.42 | 37.44   | 17.69 | 46.78   | 20.71 | 50.73 | 20.90 | 55.34   | 21.74 | 64.68   | 24.15 | 71.15 | 14.58 |
|     | 31                       | 32.73                       | 16.89 | 37.44   | 18.20 | 46.78   | 21.31 | 50.73 | 21.50 | 55.34   | 22.37 | 64.68   | 24.85 | 71.15 | 15.00 |
|     | 33                       | 32.73                       | 17.37 | 37.44   | 18.71 | 46.78   | 21.91 | 50.73 | 22.11 | 55.34   | 23.00 | 64.68   | 25.55 | 71.15 | 15.42 |
|     | 35                       | 32.73                       | 17.84 | 37.44   | 19.23 | 46.78   | 22.51 | 50.73 | 22.72 | 55.34   | 23.63 | 64.40   | 26.14 | 70.00 | 15.59 |
|     | 37                       | 32.73                       | 18.19 | 37.44   | 19.60 | 46.78   | 22.95 | 50.73 | 23.16 | 55.34   | 24.09 | 60.54   | 25.05 | 65.80 | 14.94 |
|     | 39                       | 32.73                       | 18.54 | 37.44   | 19.98 | 46.78   | 23.39 | 50.40 | 23.45 | 54.02   | 23.97 | 57.03   | 24.05 | 61.99 | 14.35 |
|     | 41                       | 32.73                       | 18.89 | 37.44   | 20.36 | 46.78   | 23.83 | 50.40 | 23.90 | 52.81   | 23.88 | 56.21   | 24.15 | 61.09 | 14.41 |
|     | 43                       | 32.73                       | 19.25 | 37.44   | 20.74 | 45.90   | 23.82 | 50.29 | 24.29 | 51.27   | 23.62 | 55.38   | 24.24 | 60.20 | 14.46 |
|     | 46                       | 32.73                       | 19.60 | 37.44   | 21.13 | 45.07   | 23.82 | 48.64 | 23.93 | 49.81   | 23.37 | 54.55   | 24.33 | 59.30 | 14.51 |
|     | 48                       | 32.73                       | 20.14 | 37.44   | 21.71 | 42.34   | 23.00 | 44.57 | 22.53 | 46.80   | 22.56 | 51.26   | 23.48 | 55.72 | 14.01 |
|     | 50                       | 32.00                       | 20.05 | 36.26   | 21.40 | 40.53   | 22.41 | 42.66 | 21.96 | 44.79   | 21.98 | 49.06   | 22.88 | 53.33 | 13.65 |
|     | 52                       | 30.56                       | 19.49 | 34.64   | 20.81 | 38.71   | 21.79 | 40.75 | 21.35 | 42.79   | 21.37 | 46.86   | 22.25 | 50.94 | 13.27 |
|     | 55                       | 29.13                       | 18.90 | 33.01   | 20.18 | 36.90   | 21.13 | 38.84 | 20.70 | 40.78   | 20.73 | 44.67   | 21.58 | 48.55 | 12.87 |
| 80% | -15                      | 29.10                       | 5.76  | 33.27   | 6.20  | 41.50   | 7.25  | 45.67 | 7.42  | 49.41   | 7.66  | 57.21   | 8.43  | 65.33 | 5.28  |
|     | -10                      | 29.10                       | 6.63  | 33.27   | 7.15  | 41.50   | 8.35  | 45.67 | 8.55  | 49.41   | 8.82  | 57.21   | 9.71  | 65.33 | 6.08  |
|     | -5                       | 29.10                       | 7.52  | 33.27   | 8.10  | 41.50   | 9.47  | 45.67 | 9.70  | 49.41   | 10.01 | 57.21   | 11.01 | 65.33 | 6.90  |
|     | -2                       | 29.10                       | 8.06  | 33.27   | 8.69  | 41.50   | 10.15 | 45.67 | 10.40 | 49.41   | 10.73 | 57.21   | 11.80 | 65.33 | 7.40  |
|     | 0                        | 29.10                       | 8.43  | 33.27   | 9.08  | 41.50   | 10.61 | 45.67 | 10.87 | 49.41   | 11.21 | 57.21   | 12.34 | 65.33 | 7.73  |
|     | 2                        | 29.10                       | 8.79  | 33.27   | 9.47  | 41.50   | 11.07 | 45.67 | 11.34 | 49.41   | 11.70 | 57.21   | 12.87 | 65.33 | 8.07  |
|     | 4                        | 29.10                       | 9.16  | 33.27   | 9.87  | 41.50   | 11.53 | 45.67 | 11.81 | 49.41   | 12.19 | 57.21   | 13.41 | 65.33 | 8.40  |
|     | 6                        | 29.10                       | 9.53  | 33.27   | 10.27 | 41.50   | 12.00 | 45.67 | 12.29 | 49.41   | 12.68 | 57.21   | 13.95 | 65.33 | 8.74  |
|     | 8                        | 29.10                       | 9.91  | 33.27   | 10.67 | 41.50   | 12.47 | 45.67 | 12.77 | 49.41   | 13.18 | 57.21   | 14.50 | 65.33 | 9.09  |
|     | 10                       | 29.10                       | 10.28 | 33.27   | 11.08 | 41.50   | 12.94 | 45.67 | 13.26 | 49.41   | 13.67 | 57.21   | 15.05 | 65.33 | 9.43  |
|     | 12                       | 29.10                       | 10.66 | 33.27   | 11.48 | 41.50   | 13.42 | 45.67 | 13.74 | 49.41   | 14.18 | 57.21   | 15.60 | 65.33 | 9.78  |
|     | 14                       | 29.10                       | 11.04 | 33.27   | 11.89 | 41.50   | 13.90 | 45.67 | 14.23 | 49.41   | 14.68 | 57.21   | 16.16 | 65.33 | 10.13 |
|     | 16                       | 29.10                       | 11.42 | 33.27   | 12.30 | 41.50   | 14.38 | 45.67 | 14.73 | 49.41   | 15.19 | 57.21   | 16.72 | 65.33 | 10.48 |
|     | 18                       | 29.10                       | 11.81 | 33.27   | 12.72 | 41.50   | 14.86 | 45.67 | 15.22 | 49.41   | 15.71 | 57.21   | 17.28 | 65.33 | 10.83 |
|     | 20                       | 29.10                       | 12.20 | 33.27   | 13.14 | 41.50   | 15.35 | 45.67 | 15.72 | 49.41   | 16.22 | 57.21   | 17.85 | 65.33 | 11.19 |
|     | 21                       | 29.10                       | 12.39 | 33.27   | 13.35 | 41.50   | 15.60 | 45.67 | 15.98 | 49.41   | 16.48 | 57.21   | 18.14 | 65.33 | 11.37 |
|     | 23                       | 29.10                       | 12.78 | 33.27   | 13.77 | 41.50   | 16.09 | 45.67 | 16.48 | 49.41   | 17.00 | 57.21   | 18.71 | 65.33 | 11.73 |
|     | 25                       | 29.10                       | 13.18 | 33.27   | 14.19 | 41.50   | 16.59 | 45.67 | 16.99 | 49.41   | 17.53 | 57.21   | 19.29 | 65.33 | 12.09 |
|     | 27                       | 29.10                       | 13.57 | 33.27   | 14.62 | 41.50   | 17.09 | 45.67 | 17.50 | 49.41   | 18.05 | 57.21   | 19.87 | 65.33 | 12.45 |
|     | 29                       | 29.10                       | 13.97 | 33.27   | 15.05 | 41.50   | 17.59 | 45.67 | 18.02 | 49.41   | 18.59 | 57.21   | 20.45 | 65.33 | 12.82 |
|     | 31                       | 29.10                       | 14.38 | 33.27   | 15.49 | 41.50   | 18.10 | 45.67 | 18.53 | 49.41   | 19.12 | 57.21   | 21.04 | 65.33 | 13.19 |
|     | 33                       | 29.10                       | 14.78 | 33.27   | 15.92 | 41.50   | 18.61 | 45.67 | 19.06 | 49.41   | 19.66 | 57.21   | 21.63 | 65.33 | 13.56 |
|     | 35                       | 29.10                       | 15.19 | 33.27   | 16.36 | 41.50   | 19.12 | 45.67 | 19.58 | 49.41   | 20.20 | 57.21   | 22.23 | 65.33 | 13.93 |
|     | 37                       | 29.10                       | 15.48 | 33.27   | 16.68 | 41.50   | 19.49 | 45.67 | 19.96 | 49.41   | 20.59 | 57.21   | 22.66 | 65.33 | 14.20 |
|     | 39                       | 29.10                       | 15.78 | 33.27   | 17.00 | 41.50   | 19.86 | 45.67 | 20.35 | 49.41   | 20.99 | 56.67   | 22.88 | 61.60 | 13.65 |
|     | 41                       | 29.10                       | 16.08 | 33.27   | 17.32 | 41.50   | 20.24 | 45.67 | 20.73 | 48.86   | 21.15 | 54.13   | 22.27 | 57.40 | 12.96 |
|     | 43                       | 29.10                       | 16.38 | 33.27   | 17.65 | 41.50   | 20.62 | 44.80 | 20.72 | 48.86   | 21.55 | 51.83   | 21.72 | 54.17 | 12.46 |
|     | 46                       | 29.10                       | 16.69 | 33.27   | 17.97 | 40.74   | 20.62 | 44.80 | 21.10 | 47.10   | 21.15 | 49.53   | 21.14 | 53.36 | 12.50 |
|     | 48                       | 29.10                       | 17.15 | 33.27   | 18.47 | 38.21   | 19.87 | 41.18 | 19.93 | 42.11   | 19.44 | 46.13   | 20.23 | 50.14 | 12.07 |
|     | 50                       | 29.10                       | 17.45 | 32.63   | 18.44 | 36.47   | 19.31 | 38.39 | 18.91 | 40.31   | 18.94 | 44.15   | 19.71 | 47.99 | 11.76 |
|     | 52                       | 27.50                       | 16.79 | 31.17   | 17.93 | 34.84   | 18.77 | 36.67 | 18.39 | 38.50   | 18.41 | 42.17   | 19.17 | 45.84 | 11.43 |
|     | 55                       | 26.21                       | 16.28 | 29.71   | 17.39 | 33.20   | 18.20 | 34.95 | 17.83 | 36.70   | 17.86 | 40.19   | 18.59 | 43.69 | 11.09 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

## V8 PRO VRF 50Hz



Table2-8.7:20HP cooling capacity(continued)

| CR  | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |       |         |       |         |       |       |       |         |       |         |       |       |       |
|-----|--------------------------|-----------------------------|-------|---------|-------|---------|-------|-------|-------|---------|-------|---------|-------|-------|-------|
|     |                          | 20.8/14                     |       | 23.3/16 |       | 25.8/18 |       | 27/19 |       | 28.2/20 |       | 30.7/22 |       | 32/24 |       |
|     |                          | TC                          | PI    | TC      | PI    | TC      | PI    | TC    | PI    | TC      | PI    | TC      | PI    | TC    | PI    |
| 70% | -15                      | 25.48                       | 4.79  | 29.10   | 5.16  | 36.34   | 6.03  | 39.96 | 6.18  | 43.59   | 6.42  | 49.96   | 7.00  | 57.65 | 4.43  |
|     | -10                      | 25.48                       | 5.52  | 29.10   | 5.94  | 36.34   | 6.95  | 39.96 | 7.11  | 43.59   | 7.40  | 49.96   | 8.06  | 57.65 | 5.10  |
|     | -5                       | 25.48                       | 6.26  | 29.10   | 6.74  | 36.34   | 7.88  | 39.96 | 8.07  | 43.59   | 8.39  | 49.96   | 9.14  | 57.65 | 5.79  |
|     | -2                       | 25.48                       | 6.71  | 29.10   | 7.22  | 36.34   | 8.45  | 39.96 | 8.65  | 43.59   | 9.00  | 49.96   | 9.80  | 57.65 | 6.21  |
|     | 0                        | 25.48                       | 7.02  | 29.10   | 7.55  | 36.34   | 8.83  | 39.96 | 9.04  | 43.59   | 9.40  | 49.96   | 10.24 | 57.65 | 6.49  |
|     | 2                        | 25.48                       | 7.32  | 29.10   | 7.88  | 36.34   | 9.22  | 39.96 | 9.43  | 43.59   | 9.81  | 49.96   | 10.69 | 57.65 | 6.77  |
|     | 4                        | 25.48                       | 7.63  | 29.10   | 8.21  | 36.34   | 9.60  | 39.96 | 9.83  | 43.59   | 10.22 | 49.96   | 11.13 | 57.65 | 7.05  |
|     | 6                        | 25.48                       | 7.94  | 29.10   | 8.54  | 36.34   | 9.99  | 39.96 | 10.22 | 43.59   | 10.64 | 49.96   | 11.59 | 57.65 | 7.34  |
|     | 8                        | 25.48                       | 8.25  | 29.10   | 8.87  | 36.34   | 10.38 | 39.96 | 10.62 | 43.59   | 11.05 | 49.96   | 12.04 | 57.65 | 7.62  |
|     | 10                       | 25.48                       | 8.56  | 29.10   | 9.21  | 36.34   | 10.78 | 39.96 | 11.03 | 43.59   | 11.47 | 49.96   | 12.49 | 57.65 | 7.91  |
|     | 12                       | 25.48                       | 8.87  | 29.10   | 9.55  | 36.34   | 11.17 | 39.96 | 11.43 | 43.59   | 11.89 | 49.96   | 12.95 | 57.65 | 8.20  |
|     | 14                       | 25.48                       | 9.19  | 29.10   | 9.89  | 36.34   | 11.57 | 39.96 | 11.84 | 43.59   | 12.32 | 49.96   | 13.42 | 57.65 | 8.50  |
|     | 16                       | 25.48                       | 9.51  | 29.10   | 10.23 | 36.34   | 11.97 | 39.96 | 12.25 | 43.59   | 12.74 | 49.96   | 13.88 | 57.65 | 8.79  |
|     | 18                       | 25.48                       | 9.83  | 29.10   | 10.58 | 36.34   | 12.38 | 39.96 | 12.67 | 43.59   | 13.17 | 49.96   | 14.35 | 57.65 | 9.09  |
|     | 20                       | 25.48                       | 10.15 | 29.10   | 10.93 | 36.34   | 12.78 | 39.96 | 13.08 | 43.59   | 13.61 | 49.96   | 14.82 | 57.65 | 9.39  |
|     | 21                       | 25.48                       | 10.32 | 29.10   | 11.10 | 36.34   | 12.99 | 39.96 | 13.29 | 43.59   | 13.82 | 49.96   | 15.06 | 57.65 | 9.54  |
|     | 23                       | 25.48                       | 10.64 | 29.10   | 11.45 | 36.34   | 13.40 | 39.96 | 13.71 | 43.59   | 14.26 | 49.96   | 15.53 | 57.65 | 9.84  |
|     | 25                       | 25.48                       | 10.97 | 29.10   | 11.80 | 36.34   | 13.81 | 39.96 | 14.13 | 43.59   | 14.70 | 49.96   | 16.01 | 57.65 | 10.14 |
|     | 27                       | 25.48                       | 11.30 | 29.10   | 12.16 | 36.34   | 14.23 | 39.96 | 14.56 | 43.59   | 15.14 | 49.96   | 16.50 | 57.65 | 10.45 |
|     | 29                       | 25.48                       | 11.63 | 29.10   | 12.52 | 36.34   | 14.64 | 39.96 | 14.99 | 43.59   | 15.59 | 49.96   | 16.98 | 57.65 | 10.75 |
|     | 31                       | 25.48                       | 11.97 | 29.10   | 12.88 | 36.34   | 15.07 | 39.96 | 15.42 | 43.59   | 16.04 | 49.96   | 17.47 | 57.65 | 11.06 |
|     | 33                       | 25.48                       | 12.31 | 29.10   | 13.24 | 36.34   | 15.49 | 39.96 | 15.85 | 43.59   | 16.49 | 49.96   | 17.96 | 57.65 | 11.37 |
|     | 35                       | 25.48                       | 12.64 | 29.10   | 13.61 | 36.34   | 15.92 | 39.96 | 16.29 | 43.59   | 16.94 | 49.96   | 18.46 | 57.65 | 11.69 |
|     | 37                       | 25.48                       | 12.89 | 29.10   | 13.87 | 36.34   | 16.23 | 39.96 | 16.61 | 43.59   | 17.27 | 49.96   | 18.82 | 57.65 | 11.92 |
|     | 39                       | 25.48                       | 13.14 | 29.10   | 14.14 | 36.34   | 16.54 | 39.96 | 16.93 | 43.59   | 17.61 | 49.96   | 19.18 | 57.65 | 12.14 |
|     | 41                       | 25.48                       | 13.39 | 29.10   | 14.40 | 36.34   | 16.85 | 39.96 | 17.25 | 43.59   | 17.94 | 49.96   | 19.54 | 57.40 | 12.32 |
|     | 43                       | 25.48                       | 13.64 | 29.10   | 14.68 | 36.34   | 17.17 | 39.96 | 17.57 | 43.59   | 18.28 | 49.96   | 19.91 | 53.20 | 11.63 |
|     | 46                       | 25.48                       | 13.89 | 29.10   | 14.95 | 36.34   | 17.49 | 39.20 | 17.56 | 42.82   | 18.29 | 48.21   | 19.57 | 49.64 | 11.06 |
|     | 48                       | 25.48                       | 14.27 | 29.10   | 15.36 | 35.69   | 17.65 | 36.79 | 16.93 | 40.41   | 17.73 | 41.72   | 17.40 | 44.40 | 10.16 |
|     | 50                       | 25.48                       | 14.53 | 29.10   | 15.63 | 33.60   | 16.91 | 34.70 | 16.26 | 35.70   | 15.95 | 39.10   | 16.60 | 42.50 | 9.90  |
|     | 52                       | 24.36                       | 14.14 | 27.61   | 15.10 | 30.85   | 15.81 | 32.48 | 15.48 | 34.10   | 15.50 | 37.35   | 16.14 | 40.60 | 9.63  |
|     | 55                       | 23.22                       | 13.71 | 26.31   | 14.64 | 29.41   | 15.33 | 30.96 | 15.02 | 32.50   | 15.04 | 35.60   | 15.65 | 38.69 | 9.34  |
| 60% | -15                      | 21.85                       | 3.88  | 24.92   | 4.16  | 31.19   | 4.88  | 34.26 | 4.99  | 37.44   | 5.20  | 43.59   | 5.76  | 48.97 | 3.55  |
|     | -10                      | 21.85                       | 4.46  | 24.92   | 4.80  | 31.19   | 5.63  | 34.26 | 5.75  | 37.44   | 5.99  | 43.59   | 6.63  | 48.97 | 4.09  |
|     | -5                       | 21.85                       | 5.06  | 24.92   | 5.44  | 31.19   | 6.38  | 34.26 | 6.52  | 37.44   | 6.80  | 43.59   | 7.52  | 48.97 | 4.64  |
|     | -2                       | 21.85                       | 5.43  | 24.92   | 5.83  | 31.19   | 6.84  | 34.26 | 6.99  | 37.44   | 7.29  | 43.59   | 8.06  | 48.97 | 4.97  |
|     | 0                        | 21.85                       | 5.67  | 24.92   | 6.10  | 31.19   | 7.15  | 34.26 | 7.31  | 37.44   | 7.61  | 43.59   | 8.43  | 48.97 | 5.19  |
|     | 2                        | 21.85                       | 5.92  | 24.92   | 6.36  | 31.19   | 7.46  | 34.26 | 7.62  | 37.44   | 7.94  | 43.59   | 8.79  | 48.97 | 5.42  |
|     | 4                        | 21.85                       | 6.17  | 24.92   | 6.63  | 31.19   | 7.77  | 34.26 | 7.94  | 37.44   | 8.28  | 43.59   | 9.16  | 48.97 | 5.65  |
|     | 6                        | 21.85                       | 6.42  | 24.92   | 6.89  | 31.19   | 8.08  | 34.26 | 8.26  | 37.44   | 8.61  | 43.59   | 9.53  | 48.97 | 5.88  |
|     | 8                        | 21.85                       | 6.67  | 24.92   | 7.16  | 31.19   | 8.40  | 34.26 | 8.59  | 37.44   | 8.95  | 43.59   | 9.90  | 48.97 | 6.11  |
|     | 10                       | 21.85                       | 6.92  | 24.92   | 7.44  | 31.19   | 8.72  | 34.26 | 8.91  | 37.44   | 9.29  | 43.59   | 10.28 | 48.97 | 6.34  |
|     | 12                       | 21.85                       | 4.16  | 24.92   | 4.47  | 31.19   | 5.24  | 34.26 | 5.36  | 37.44   | 5.58  | 43.59   | 6.18  | 48.97 | 6.57  |
|     | 14                       | 21.85                       | 4.31  | 24.92   | 4.63  | 31.19   | 5.43  | 34.26 | 5.55  | 37.44   | 5.78  | 43.59   | 6.40  | 48.97 | 6.80  |
|     | 16                       | 21.85                       | 4.46  | 24.92   | 4.79  | 31.19   | 5.61  | 34.26 | 5.74  | 37.44   | 5.98  | 43.59   | 6.62  | 48.97 | 7.04  |
|     | 18                       | 21.85                       | 4.61  | 24.92   | 4.95  | 31.19   | 5.80  | 34.26 | 5.93  | 37.44   | 6.18  | 43.59   | 6.84  | 48.97 | 7.28  |
|     | 20                       | 21.85                       | 4.76  | 24.92   | 5.11  | 31.19   | 5.99  | 34.26 | 6.13  | 37.44   | 6.39  | 43.59   | 7.07  | 48.97 | 7.52  |
|     | 21                       | 21.85                       | 4.83  | 24.92   | 5.19  | 31.19   | 6.09  | 34.26 | 6.23  | 37.44   | 6.49  | 43.59   | 7.18  | 48.97 | 7.64  |
|     | 23                       | 21.85                       | 4.99  | 24.92   | 5.36  | 31.19   | 6.28  | 34.26 | 6.42  | 37.44   | 6.69  | 43.59   | 7.41  | 48.97 | 7.88  |
|     | 25                       | 21.85                       | 5.14  | 24.92   | 5.52  | 31.19   | 6.48  | 34.26 | 6.62  | 37.44   | 6.90  | 43.59   | 7.63  | 48.97 | 8.12  |
|     | 27                       | 21.85                       | 5.29  | 24.92   | 5.69  | 31.19   | 6.67  | 34.26 | 6.82  | 37.44   | 7.11  | 43.59   | 7.86  | 48.97 | 8.37  |
|     | 29                       | 21.85                       | 5.45  | 24.92   | 5.86  | 31.19   | 6.87  | 34.26 | 7.02  | 37.44   | 7.32  | 43.59   | 8.10  | 48.97 | 8.61  |
|     | 31                       | 21.85                       | 5.61  | 24.92   | 6.03  | 31.19   | 7.07  | 34.26 | 7.22  | 37.44   | 7.53  | 43.59   | 8.33  | 48.97 | 8.86  |
|     | 33                       | 21.85                       | 5.77  | 24.92   | 6.19  | 31.19   | 7.26  | 34.26 | 7.43  | 37.44   | 7.74  | 43.59   | 8.56  | 48.97 | 9.11  |
|     | 35                       | 21.85                       | 5.92  | 24.92   | 6.37  | 31.19   | 7.46  | 34.26 | 7.63  | 37.44   | 7.95  | 43.59   | 8.80  | 48.97 | 9.36  |
|     | 37                       | 21.85                       | 6.04  | 24.92   | 6.49  | 31.19   | 7.61  | 34.26 | 7.78  | 37.44   | 8.11  | 43.59   | 8.97  | 48.97 | 9.54  |
|     | 39                       | 21.85                       | 6.16  | 24.92   | 6.61  | 31.19   | 7.76  | 34.26 | 7.93  | 37.44   | 8.26  | 43.59   | 9.14  | 48.97 | 9.73  |
|     | 41                       | 21.85                       | 6.27  | 24.92   | 6.74  | 31.19   | 7.90  | 34.26 | 8.08  | 37.44   | 8.42  | 43.59   | 9.32  | 48.97 | 9.91  |
|     | 43                       | 21.85                       | 6.39  | 24.92   | 6.87  | 31.19   | 8.05  | 34.26 | 8.23  | 37.44   | 8.58  | 43.59   | 9.49  | 48.97 | 10.10 |
|     | 46                       | 21.85                       | 6.51  | 24.92   | 6.99  | 31.19   | 8.20  | 34.26 | 8.38  | 37.44   | 8.74  | 43.59   | 9.67  | 48.97 | 10.28 |
|     | 48                       | 21.85                       | 6.69  | 24.92   | 7.19  | 31.19   | 8.43  | 34.26 | 8.61  | 36.12   | 8.66  | 40.52   | 9.23  | 42.70 | 9.21  |
|     | 50                       | 21.85                       | 6.81  | 24.92   | 7.32  | 29.54   | 8.12  | 31.51 | 8.06  | 34.15   | 8.33  | 35.58   | 8.25  | 38.50 | 8.46  |
|     | 52                       | 21.41                       | 6.79  | 23.95   | 7.15  | 27.24   | 7.62  | 28.55 | 7.44  | 29.58   | 7.35  | 32.40   | 7.65  | 35.22 | 7.87  |
|     | 55                       | 20.14                       | 6.50  | 22.82   | 6.94  | 25.51   | 7.27  | 26.85 | 7.12  | 28.20   | 7.13  | 30.88   | 7.42  | 33.57 | 7.64  |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.7:20HP cooling capacity(continued)

| CR  | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |      |         |      |         |      |       |      |         |      |         |      |       |      |
|-----|--------------------------|-----------------------------|------|---------|------|---------|------|-------|------|---------|------|---------|------|-------|------|
|     |                          | 20.8/14                     |      | 23.3/16 |      | 25.8/18 |      | 27/19 |      | 28.2/20 |      | 30.7/22 |      | 32/24 |      |
|     |                          | TC                          | PI   | TC      | PI   | TC      | PI   | TC    | PI   | TC      | PI   | TC      | PI   | TC    | PI   |
| 50% | -15                      | 18.23                       | 1.75 | 20.75   | 1.87 | 26.02   | 2.20 | 28.55 | 2.25 | 31.19   | 2.34 | 36.34   | 2.59 | 41.50 | 2.81 |
|     | -10                      | 18.23                       | 2.01 | 20.75   | 2.16 | 26.02   | 2.54 | 28.55 | 2.59 | 31.19   | 2.70 | 36.34   | 2.99 | 41.50 | 3.23 |
|     | -5                       | 18.23                       | 2.28 | 20.75   | 2.45 | 26.02   | 2.88 | 28.55 | 2.94 | 31.19   | 3.06 | 36.34   | 3.39 | 41.50 | 3.67 |
|     | -2                       | 18.23                       | 2.45 | 20.75   | 2.63 | 26.02   | 3.08 | 28.55 | 3.15 | 31.19   | 3.28 | 36.34   | 3.63 | 41.50 | 3.93 |
|     | 0                        | 18.23                       | 2.56 | 20.75   | 2.74 | 26.02   | 3.22 | 28.55 | 3.29 | 31.19   | 3.43 | 36.34   | 3.80 | 41.50 | 4.11 |
|     | 2                        | 18.23                       | 2.67 | 20.75   | 2.86 | 26.02   | 3.36 | 28.55 | 3.43 | 31.19   | 3.58 | 36.34   | 3.96 | 41.50 | 4.28 |
|     | 4                        | 18.23                       | 2.78 | 20.75   | 2.98 | 26.02   | 3.50 | 28.55 | 3.58 | 31.19   | 3.73 | 36.34   | 4.13 | 41.50 | 4.46 |
|     | 6                        | 18.23                       | 2.89 | 20.75   | 3.10 | 26.02   | 3.65 | 28.55 | 3.72 | 31.19   | 3.88 | 36.34   | 4.30 | 41.50 | 4.65 |
|     | 8                        | 18.23                       | 3.01 | 20.75   | 3.23 | 26.02   | 3.79 | 28.55 | 3.87 | 31.19   | 4.03 | 36.34   | 4.46 | 41.50 | 4.83 |
|     | 10                       | 18.23                       | 3.12 | 20.75   | 3.35 | 26.02   | 3.93 | 28.55 | 4.02 | 31.19   | 4.18 | 36.34   | 4.63 | 41.50 | 5.01 |
|     | 12                       | 18.23                       | 3.24 | 20.75   | 3.47 | 26.02   | 4.08 | 28.55 | 4.16 | 31.19   | 4.34 | 36.34   | 4.80 | 41.50 | 5.19 |
|     | 14                       | 18.23                       | 3.35 | 20.75   | 3.59 | 26.02   | 4.22 | 28.55 | 4.31 | 31.19   | 4.49 | 36.34   | 4.97 | 41.50 | 5.38 |
|     | 16                       | 18.23                       | 3.47 | 20.75   | 3.72 | 26.02   | 4.37 | 28.55 | 4.46 | 31.19   | 4.65 | 36.34   | 5.15 | 41.50 | 5.57 |
|     | 18                       | 18.23                       | 3.59 | 20.75   | 3.84 | 26.02   | 4.52 | 28.55 | 4.61 | 31.19   | 4.80 | 36.34   | 5.32 | 41.50 | 5.75 |
|     | 20                       | 18.23                       | 3.70 | 20.75   | 3.97 | 26.02   | 4.67 | 28.55 | 4.76 | 31.19   | 4.96 | 36.34   | 5.50 | 41.50 | 5.94 |
|     | 21                       | 18.23                       | 3.76 | 20.75   | 4.03 | 26.02   | 4.74 | 28.55 | 4.84 | 31.19   | 5.04 | 36.34   | 5.58 | 41.50 | 6.04 |
|     | 23                       | 18.23                       | 3.88 | 20.75   | 4.16 | 26.02   | 4.89 | 28.55 | 4.99 | 31.19   | 5.20 | 36.34   | 5.76 | 41.50 | 6.23 |
|     | 25                       | 18.23                       | 4.00 | 20.75   | 4.29 | 26.02   | 5.04 | 28.55 | 5.15 | 31.19   | 5.36 | 36.34   | 5.94 | 41.50 | 6.42 |
|     | 27                       | 18.23                       | 4.12 | 20.75   | 4.42 | 26.02   | 5.19 | 28.55 | 5.30 | 31.19   | 5.52 | 36.34   | 6.12 | 41.50 | 6.61 |
|     | 29                       | 18.23                       | 4.24 | 20.75   | 4.55 | 26.02   | 5.34 | 28.55 | 5.46 | 31.19   | 5.69 | 36.34   | 6.30 | 41.50 | 6.81 |
|     | 31                       | 18.23                       | 4.36 | 20.75   | 4.68 | 26.02   | 5.50 | 28.55 | 5.62 | 31.19   | 5.85 | 36.34   | 6.48 | 41.50 | 7.00 |
|     | 33                       | 18.23                       | 4.49 | 20.75   | 4.81 | 26.02   | 5.65 | 28.55 | 5.77 | 31.19   | 6.01 | 36.34   | 6.66 | 41.50 | 7.20 |
|     | 35                       | 18.23                       | 4.61 | 20.75   | 4.94 | 26.02   | 5.81 | 28.55 | 5.93 | 31.19   | 6.18 | 36.34   | 6.84 | 41.50 | 7.40 |
|     | 37                       | 18.23                       | 4.70 | 20.75   | 5.04 | 26.02   | 5.92 | 28.55 | 6.05 | 31.19   | 6.30 | 36.34   | 6.98 | 41.50 | 7.54 |
|     | 39                       | 18.23                       | 4.79 | 20.75   | 5.14 | 26.02   | 6.04 | 28.55 | 6.16 | 31.19   | 6.42 | 36.34   | 7.11 | 41.50 | 7.69 |
|     | 41                       | 18.23                       | 4.88 | 20.75   | 5.24 | 26.02   | 6.15 | 28.55 | 6.28 | 31.19   | 6.54 | 36.34   | 7.25 | 41.50 | 7.84 |
|     | 43                       | 18.23                       | 4.97 | 20.75   | 5.33 | 26.02   | 6.27 | 28.55 | 6.40 | 31.19   | 6.67 | 36.34   | 7.38 | 41.50 | 7.98 |
|     | 46                       | 18.23                       | 5.07 | 20.75   | 5.43 | 26.02   | 6.38 | 28.55 | 6.52 | 31.19   | 6.79 | 36.34   | 7.52 | 41.50 | 8.13 |
|     | 48                       | 18.23                       | 5.21 | 20.75   | 5.58 | 26.02   | 6.56 | 28.55 | 6.70 | 31.19   | 6.98 | 36.34   | 7.73 | 41.50 | 8.35 |
|     | 50                       | 18.23                       | 5.30 | 20.75   | 5.68 | 26.02   | 6.68 | 28.55 | 6.82 | 31.19   | 7.10 | 35.42   | 7.66 | 38.50 | 7.89 |
|     | 52                       | 18.23                       | 5.39 | 20.75   | 5.78 | 26.02   | 6.79 | 27.44 | 6.67 | 28.81   | 6.68 | 31.56   | 6.95 | 34.30 | 7.15 |
|     | 55                       | 18.06                       | 5.44 | 20.47   | 5.81 | 22.88   | 6.08 | 24.08 | 5.96 | 25.28   | 5.96 | 27.69   | 6.21 | 30.10 | 6.39 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

## V8 PRO VRF 50Hz



Table2-8.8:22HP cooling capacity

| CR   | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |       |         |       |         |       |       |       |         |       |         |       |       |       |
|------|--------------------------|-----------------------------|-------|---------|-------|---------|-------|-------|-------|---------|-------|---------|-------|-------|-------|
|      |                          | 20.8/14                     |       | 23.3/16 |       | 25.8/18 |       | 27/19 |       | 28.2/20 |       | 30.7/22 |       | 32/24 |       |
|      |                          | TC                          | PI    | TC      | PI    | TC      | PI    | TC    | PI    | TC      | PI    | TC      | PI    | TC    | PI    |
| 130% | -15                      | 49.33                       | 9.51  | 55.47   | 10.08 | 69.35   | 11.80 | 76.94 | 12.19 | 81.52   | 12.31 | 85.98   | 12.34 | 87.43 | 7.69  |
|      | -10                      | 49.33                       | 10.82 | 55.47   | 11.46 | 69.35   | 13.42 | 76.94 | 13.86 | 81.52   | 14.00 | 85.98   | 14.03 | 87.43 | 8.75  |
|      | -5                       | 49.33                       | 12.14 | 55.47   | 12.86 | 69.35   | 15.07 | 76.94 | 15.56 | 81.52   | 15.72 | 85.98   | 15.76 | 87.43 | 9.82  |
|      | -2                       | 49.33                       | 12.95 | 55.47   | 13.72 | 69.35   | 16.07 | 76.94 | 16.59 | 81.52   | 16.76 | 85.98   | 16.80 | 87.43 | 10.47 |
|      | 0                        | 49.33                       | 13.49 | 55.47   | 14.29 | 69.35   | 16.74 | 76.94 | 17.29 | 81.52   | 17.46 | 85.98   | 17.51 | 87.43 | 10.91 |
|      | 2                        | 49.33                       | 14.04 | 55.47   | 14.87 | 69.35   | 17.42 | 76.94 | 17.98 | 81.52   | 18.17 | 85.98   | 18.21 | 87.43 | 11.35 |
|      | 4                        | 49.33                       | 14.59 | 55.47   | 15.45 | 69.35   | 18.10 | 76.94 | 18.69 | 81.52   | 18.88 | 85.98   | 18.93 | 87.43 | 11.80 |
|      | 6                        | 49.33                       | 15.14 | 55.47   | 16.04 | 69.35   | 18.78 | 76.94 | 19.40 | 81.52   | 19.60 | 85.98   | 19.64 | 87.43 | 12.24 |
|      | 8                        | 49.33                       | 15.69 | 55.47   | 16.63 | 69.35   | 19.47 | 76.94 | 20.11 | 81.52   | 20.32 | 85.98   | 20.37 | 87.43 | 12.69 |
|      | 10                       | 49.33                       | 16.25 | 55.47   | 17.22 | 69.35   | 20.17 | 76.94 | 20.83 | 81.52   | 21.04 | 85.98   | 21.09 | 87.43 | 13.15 |
|      | 12                       | 49.33                       | 16.82 | 55.47   | 17.82 | 69.35   | 20.87 | 76.94 | 21.55 | 81.52   | 21.77 | 85.98   | 21.82 | 87.43 | 13.60 |
|      | 14                       | 49.33                       | 17.39 | 55.47   | 18.42 | 69.35   | 21.57 | 76.94 | 22.27 | 81.52   | 22.50 | 85.98   | 22.56 | 87.43 | 14.06 |
|      | 16                       | 49.33                       | 17.96 | 55.47   | 19.02 | 69.35   | 22.28 | 76.94 | 23.01 | 81.52   | 23.24 | 85.98   | 23.30 | 87.43 | 14.52 |
|      | 18                       | 49.33                       | 18.53 | 55.47   | 19.63 | 69.35   | 22.99 | 76.94 | 23.74 | 81.52   | 23.99 | 85.98   | 24.05 | 87.43 | 14.99 |
|      | 20                       | 49.33                       | 19.11 | 55.47   | 20.24 | 69.35   | 23.71 | 76.94 | 24.48 | 81.52   | 24.74 | 85.98   | 24.80 | 87.43 | 15.45 |
|      | 21                       | 49.33                       | 19.40 | 55.47   | 20.55 | 69.35   | 24.07 | 76.94 | 24.86 | 81.52   | 25.11 | 85.98   | 25.17 | 87.43 | 15.69 |
|      | 23                       | 49.33                       | 19.98 | 55.47   | 21.17 | 69.35   | 24.80 | 76.94 | 25.60 | 81.52   | 25.87 | 85.98   | 25.93 | 87.43 | 16.16 |
|      | 25                       | 49.33                       | 20.57 | 55.47   | 21.79 | 69.35   | 25.53 | 76.94 | 26.36 | 81.52   | 26.63 | 85.98   | 26.69 | 87.43 | 16.64 |
|      | 27                       | 49.33                       | 21.16 | 55.47   | 22.42 | 69.35   | 26.26 | 76.94 | 27.11 | 81.52   | 27.39 | 85.98   | 27.46 | 87.43 | 17.11 |
|      | 29                       | 49.33                       | 21.76 | 55.47   | 23.05 | 69.35   | 27.00 | 76.94 | 27.88 | 81.52   | 28.16 | 85.98   | 28.23 | 87.43 | 17.60 |
|      | 31                       | 49.33                       | 22.36 | 55.47   | 23.69 | 69.35   | 27.74 | 76.94 | 28.65 | 81.05   | 28.77 | 85.98   | 29.01 | 87.43 | 18.08 |
|      | 33                       | 49.33                       | 22.96 | 55.47   | 24.32 | 68.27   | 28.05 | 71.87 | 27.48 | 75.46   | 27.51 | 82.65   | 28.64 | 87.43 | 18.57 |
|      | 35                       | 49.33                       | 23.57 | 55.47   | 24.97 | 64.15   | 27.05 | 66.54 | 26.12 | 69.87   | 26.15 | 76.52   | 27.22 | 83.18 | 18.13 |
|      | 37                       | 49.33                       | 24.04 | 55.23   | 25.36 | 63.08   | 27.14 | 64.92 | 25.99 | 68.17   | 26.03 | 74.66   | 27.09 | 81.16 | 18.05 |
|      | 39                       | 48.48                       | 24.10 | 55.23   | 25.87 | 61.99   | 27.20 | 63.91 | 26.10 | 67.10   | 26.13 | 73.49   | 27.20 | 79.88 | 18.12 |
|      | 41                       | 48.36                       | 24.51 | 55.23   | 26.37 | 60.42   | 27.03 | 62.89 | 26.19 | 66.03   | 26.22 | 72.32   | 27.29 | 78.61 | 18.18 |
|      | 43                       | 48.48                       | 25.05 | 55.23   | 26.89 | 58.78   | 26.81 | 61.87 | 26.26 | 64.97   | 26.29 | 71.15   | 27.37 | 77.34 | 18.23 |
|      | 46                       | 48.36                       | 25.47 | 52.82   | 26.21 | 57.81   | 26.87 | 60.86 | 26.32 | 63.90   | 26.36 | 69.98   | 27.44 | 76.07 | 18.28 |
|      | 48                       | 44.62                       | 24.16 | 48.06   | 24.52 | 53.71   | 25.68 | 56.54 | 25.15 | 59.37   | 25.18 | 65.02   | 26.22 | 70.68 | 17.47 |
|      | 50                       | 40.25                       | 22.20 | 45.62   | 23.71 | 50.98   | 24.82 | 53.67 | 24.32 | 56.35   | 24.35 | 61.72   | 25.34 | 67.08 | 16.88 |
|      | 52                       | 38.09                       | 21.40 | 43.17   | 22.85 | 48.25   | 23.92 | 50.79 | 23.44 | 53.33   | 23.47 | 58.41   | 24.43 | 63.49 | 16.27 |
|      | 55                       | 35.94                       | 20.55 | 40.73   | 21.95 | 45.52   | 22.98 | 47.92 | 22.51 | 50.31   | 22.54 | 55.10   | 23.46 | 59.89 | 15.63 |
| 120% | -15                      | 46.31                       | 9.33  | 52.94   | 10.04 | 65.12   | 11.57 | 71.51 | 11.83 | 77.90   | 12.29 | 84.06   | 12.60 | 85.62 | 7.87  |
|      | -10                      | 46.31                       | 10.60 | 52.94   | 11.42 | 65.12   | 13.16 | 71.51 | 13.45 | 77.90   | 13.97 | 84.06   | 14.33 | 85.62 | 8.95  |
|      | -5                       | 46.31                       | 11.91 | 52.94   | 12.82 | 65.12   | 14.78 | 71.51 | 15.10 | 77.90   | 15.69 | 84.06   | 16.09 | 85.62 | 10.04 |
|      | -2                       | 46.31                       | 12.70 | 52.94   | 13.67 | 65.12   | 15.76 | 71.51 | 16.10 | 77.90   | 16.73 | 84.06   | 17.16 | 85.62 | 10.71 |
|      | 0                        | 46.31                       | 13.23 | 52.94   | 14.25 | 65.12   | 16.42 | 71.51 | 16.78 | 77.90   | 17.43 | 84.06   | 17.88 | 85.62 | 11.16 |
|      | 2                        | 46.31                       | 13.76 | 52.94   | 14.82 | 65.12   | 17.08 | 71.51 | 17.46 | 77.90   | 18.13 | 84.06   | 18.60 | 85.62 | 11.61 |
|      | 4                        | 46.31                       | 14.30 | 52.94   | 15.40 | 65.12   | 17.75 | 71.51 | 18.14 | 77.90   | 18.84 | 84.06   | 19.33 | 85.62 | 12.06 |
|      | 6                        | 46.31                       | 14.84 | 52.94   | 15.99 | 65.12   | 18.42 | 71.51 | 18.83 | 77.90   | 19.56 | 84.06   | 20.06 | 85.62 | 12.52 |
|      | 8                        | 46.31                       | 15.39 | 52.94   | 16.57 | 65.12   | 19.10 | 71.51 | 19.52 | 77.90   | 20.28 | 84.06   | 20.79 | 85.62 | 12.98 |
|      | 10                       | 46.31                       | 15.94 | 52.94   | 17.16 | 65.12   | 19.78 | 71.51 | 20.22 | 77.90   | 21.00 | 84.06   | 21.54 | 85.62 | 13.44 |
|      | 12                       | 46.31                       | 16.49 | 52.94   | 17.76 | 65.12   | 20.47 | 71.51 | 20.92 | 77.90   | 21.73 | 84.06   | 22.28 | 85.62 | 13.91 |
|      | 14                       | 46.31                       | 17.05 | 52.94   | 18.36 | 65.12   | 21.16 | 71.51 | 21.62 | 77.90   | 22.46 | 84.06   | 23.03 | 85.62 | 14.38 |
|      | 16                       | 46.31                       | 17.61 | 52.94   | 18.96 | 65.12   | 21.85 | 71.51 | 22.33 | 77.90   | 23.20 | 84.06   | 23.79 | 85.62 | 14.85 |
|      | 18                       | 46.31                       | 18.17 | 52.94   | 19.57 | 65.12   | 22.55 | 71.51 | 23.05 | 77.90   | 23.94 | 84.06   | 24.55 | 85.62 | 15.33 |
|      | 20                       | 46.31                       | 18.74 | 52.94   | 20.18 | 65.12   | 23.25 | 71.51 | 23.77 | 77.90   | 24.69 | 84.06   | 25.32 | 85.62 | 15.81 |
|      | 21                       | 46.31                       | 19.02 | 52.94   | 20.49 | 65.12   | 23.61 | 71.51 | 24.13 | 77.90   | 25.06 | 84.06   | 25.70 | 85.62 | 16.05 |
|      | 23                       | 46.31                       | 19.59 | 52.94   | 21.10 | 65.12   | 24.32 | 71.51 | 24.85 | 77.90   | 25.82 | 84.06   | 26.48 | 85.62 | 16.53 |
|      | 25                       | 46.31                       | 20.17 | 52.94   | 21.72 | 65.12   | 25.03 | 71.51 | 25.58 | 77.90   | 26.58 | 84.06   | 27.26 | 85.62 | 17.02 |
|      | 27                       | 46.31                       | 20.75 | 52.94   | 22.35 | 65.12   | 25.75 | 71.51 | 26.32 | 77.90   | 27.34 | 84.06   | 28.04 | 85.62 | 17.50 |
|      | 29                       | 46.31                       | 21.33 | 52.94   | 22.98 | 65.12   | 26.48 | 71.51 | 27.06 | 77.90   | 28.11 | 84.06   | 28.83 | 85.62 | 18.00 |
|      | 31                       | 46.31                       | 21.92 | 52.94   | 23.61 | 65.12   | 27.21 | 71.51 | 27.81 | 77.90   | 28.88 | 84.06   | 29.62 | 85.62 | 18.49 |
|      | 33                       | 46.31                       | 22.51 | 52.94   | 24.25 | 65.12   | 27.94 | 69.94 | 27.93 | 73.44   | 27.96 | 80.43   | 29.11 | 85.62 | 18.99 |
|      | 35                       | 46.31                       | 23.11 | 52.94   | 24.89 | 62.47   | 27.51 | 64.76 | 26.54 | 68.00   | 26.58 | 74.47   | 27.67 | 80.95 | 18.43 |
|      | 37                       | 46.31                       | 23.57 | 52.94   | 25.39 | 61.87   | 27.80 | 63.19 | 26.42 | 66.02   | 26.32 | 72.31   | 27.40 | 78.59 | 18.26 |
|      | 39                       | 46.31                       | 24.04 | 52.61   | 25.73 | 61.27   | 28.08 | 62.34 | 26.59 | 64.98   | 26.43 | 71.17   | 27.51 | 77.36 | 18.33 |
|      | 41                       | 46.31                       | 24.52 | 51.98   | 25.93 | 60.42   | 28.23 | 61.14 | 26.59 | 63.95   | 26.52 | 70.04   | 27.60 | 76.13 | 18.39 |
|      | 43                       | 45.46                       | 24.53 | 51.98   | 26.43 | 57.76   | 27.51 | 59.92 | 26.56 | 62.92   | 26.59 | 68.91   | 27.68 | 74.90 | 18.44 |
|      | 46                       | 45.46                       | 25.00 | 50.09   | 25.96 | 55.99   | 27.18 | 58.93 | 26.63 | 61.88   | 26.66 | 67.77   | 27.75 | 73.67 | 18.49 |
|      | 48                       | 42.32                       | 23.94 | 46.54   | 24.80 | 52.02   | 25.97 | 54.76 | 25.44 | 57.49   | 25.47 | 62.97   | 26.52 | 68.45 | 17.66 |
|      | 50                       | 38.98                       | 22.46 | 44.18   | 23.98 | 49.37   | 25.11 | 51.97 | 24.60 | 54.57   | 24.63 | 59.77   | 25.63 | 64.97 | 17.08 |
|      | 52                       | 36.89                       | 21.64 | 41.81   | 23.11 | 46.73   | 24.20 | 49.19 | 23.71 | 51.65   | 23.73 | 56.57   | 24.71 | 61.48 | 16.46 |
|      | 55                       | 34.80                       | 20.79 | 39.44   | 22.20 | 44.08   | 23.24 | 46.40 | 22.77 | 48.72   | 22.80 | 53.36   | 23.73 | 58.00 | 15.81 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.8:22HP cooling capacity(continued)

| CR   | Outdoor<br>air temp.<br>(°CDB) | Indoor air temp. (°C DB/WD) |       |         |       |         |       |       |       |         |       |         |       |       |       |
|------|--------------------------------|-----------------------------|-------|---------|-------|---------|-------|-------|-------|---------|-------|---------|-------|-------|-------|
|      |                                | 20.8/14                     |       | 23.3/16 |       | 25.8/18 |       | 27/19 |       | 28.2/20 |       | 30.7/22 |       | 32/24 |       |
|      |                                | TC                          | PI    | TC      | PI    | TC      | PI    | TC    | PI    | TC      | PI    | TC      | PI    | TC    | PI    |
| 110% | -15                            | 43.18                       | 9.10  | 49.33   | 9.80  | 60.78   | 11.31 | 66.57 | 11.53 | 72.72   | 12.01 | 81.64   | 12.81 | 83.69 | 8.05  |
|      | -10                            | 43.18                       | 10.35 | 49.33   | 11.14 | 60.78   | 12.86 | 66.57 | 13.11 | 72.72   | 13.66 | 81.64   | 14.57 | 83.69 | 9.16  |
|      | -5                             | 43.18                       | 11.62 | 49.33   | 12.51 | 60.78   | 14.44 | 66.57 | 14.72 | 72.72   | 15.33 | 81.64   | 16.36 | 83.69 | 10.28 |
|      | -2                             | 43.18                       | 12.39 | 49.33   | 13.34 | 60.78   | 15.40 | 66.57 | 15.70 | 72.72   | 16.35 | 81.64   | 17.45 | 83.69 | 10.96 |
|      | 0                              | 43.18                       | 12.91 | 49.33   | 13.90 | 60.78   | 16.04 | 66.57 | 16.35 | 72.72   | 17.03 | 81.64   | 18.18 | 83.69 | 11.42 |
|      | 2                              | 43.18                       | 13.44 | 49.33   | 14.46 | 60.78   | 16.69 | 66.57 | 17.02 | 72.72   | 17.72 | 81.64   | 18.91 | 83.69 | 11.88 |
|      | 4                              | 43.18                       | 13.96 | 49.33   | 15.03 | 60.78   | 17.35 | 66.57 | 17.68 | 72.72   | 18.42 | 81.64   | 19.65 | 83.69 | 12.35 |
|      | 6                              | 43.18                       | 14.49 | 49.33   | 15.60 | 60.78   | 18.00 | 66.57 | 18.35 | 72.72   | 19.11 | 81.64   | 20.40 | 83.69 | 12.81 |
|      | 8                              | 43.18                       | 15.02 | 49.33   | 16.17 | 60.78   | 18.66 | 66.57 | 19.02 | 72.72   | 19.82 | 81.64   | 21.15 | 83.69 | 13.29 |
|      | 10                             | 43.18                       | 15.56 | 49.33   | 16.75 | 60.78   | 19.33 | 66.57 | 19.70 | 72.72   | 20.52 | 81.64   | 21.90 | 83.69 | 13.76 |
|      | 12                             | 43.18                       | 16.10 | 49.33   | 17.33 | 60.78   | 20.00 | 66.57 | 20.39 | 72.72   | 21.24 | 81.64   | 22.66 | 83.69 | 14.24 |
|      | 14                             | 43.18                       | 16.64 | 49.33   | 17.91 | 60.78   | 20.67 | 66.57 | 21.07 | 72.72   | 21.95 | 81.64   | 23.42 | 83.69 | 14.72 |
|      | 16                             | 43.18                       | 17.19 | 49.33   | 18.50 | 60.78   | 21.35 | 66.57 | 21.77 | 72.72   | 22.67 | 81.64   | 24.19 | 83.69 | 15.20 |
|      | 18                             | 43.18                       | 17.74 | 49.33   | 19.09 | 60.78   | 22.04 | 66.57 | 22.46 | 72.72   | 23.40 | 81.64   | 24.97 | 83.69 | 15.69 |
|      | 20                             | 43.18                       | 18.29 | 49.33   | 19.69 | 60.78   | 22.72 | 66.57 | 23.16 | 72.72   | 24.13 | 81.64   | 25.75 | 83.69 | 16.18 |
|      | 21                             | 43.18                       | 18.57 | 49.33   | 19.99 | 60.78   | 23.07 | 66.57 | 23.52 | 72.72   | 24.49 | 81.64   | 26.14 | 83.69 | 16.42 |
|      | 23                             | 43.18                       | 19.13 | 49.33   | 20.59 | 60.78   | 23.76 | 66.57 | 24.22 | 72.72   | 25.23 | 81.64   | 26.92 | 83.69 | 16.92 |
|      | 25                             | 43.18                       | 19.69 | 49.33   | 21.19 | 60.78   | 24.46 | 66.57 | 24.94 | 72.72   | 25.97 | 81.64   | 27.72 | 83.69 | 17.41 |
|      | 27                             | 43.18                       | 20.26 | 49.33   | 21.80 | 60.78   | 25.17 | 66.57 | 25.65 | 72.72   | 26.72 | 81.64   | 28.51 | 83.69 | 17.91 |
|      | 29                             | 43.18                       | 20.83 | 49.33   | 22.42 | 60.78   | 25.87 | 66.57 | 26.38 | 72.72   | 27.47 | 81.64   | 29.31 | 83.69 | 18.42 |
|      | 31                             | 43.18                       | 21.40 | 49.33   | 23.03 | 60.78   | 26.59 | 66.57 | 27.10 | 72.72   | 28.23 | 81.64   | 30.12 | 83.69 | 18.93 |
|      | 33                             | 43.18                       | 21.98 | 49.33   | 23.65 | 60.78   | 27.30 | 66.57 | 27.83 | 70.09   | 27.94 | 76.76   | 29.09 | 83.44 | 19.38 |
|      | 35                             | 43.18                       | 22.56 | 49.33   | 24.28 | 60.53   | 27.91 | 63.31 | 27.17 | 64.90   | 26.56 | 71.08   | 27.65 | 77.26 | 18.42 |
|      | 37                             | 43.18                       | 23.01 | 49.33   | 24.77 | 60.53   | 28.47 | 62.11 | 27.19 | 63.16   | 26.37 | 69.18   | 27.45 | 75.19 | 18.29 |
|      | 39                             | 43.18                       | 23.47 | 49.33   | 25.26 | 59.57   | 28.58 | 60.53 | 27.03 | 62.17   | 26.47 | 68.09   | 27.56 | 74.01 | 18.36 |
|      | 41                             | 43.18                       | 23.93 | 49.33   | 25.76 | 58.13   | 28.44 | 59.81 | 27.23 | 61.18   | 26.56 | 67.01   | 27.65 | 72.83 | 18.42 |
|      | 43                             | 43.18                       | 24.40 | 49.33   | 26.26 | 56.81   | 28.33 | 57.76 | 26.81 | 60.19   | 26.64 | 65.92   | 27.73 | 71.66 | 18.47 |
|      | 46                             | 42.32                       | 24.37 | 48.48   | 26.30 | 54.03   | 27.46 | 56.38 | 26.67 | 59.20   | 26.70 | 64.84   | 27.80 | 70.48 | 18.52 |
|      | 48                             | 39.32                       | 23.29 | 44.74   | 24.96 | 49.77   | 26.01 | 52.39 | 25.48 | 55.01   | 25.52 | 60.24   | 26.56 | 65.48 | 17.69 |
|      | 50                             | 37.29                       | 22.49 | 42.26   | 24.02 | 47.24   | 25.15 | 49.72 | 24.64 | 52.21   | 24.67 | 57.18   | 25.68 | 62.15 | 17.11 |
|      | 52                             | 35.29                       | 21.68 | 40.00   | 23.15 | 44.71   | 24.24 | 47.06 | 23.75 | 49.41   | 23.77 | 54.12   | 24.75 | 58.82 | 16.49 |
|      | 55                             | 33.30                       | 20.82 | 37.74   | 22.23 | 42.17   | 23.28 | 44.39 | 22.81 | 46.61   | 22.83 | 51.05   | 23.77 | 55.49 | 15.84 |
| 100% | -15                            | 39.92                       | 8.83  | 45.59   | 9.50  | 56.07   | 10.95 | 61.62 | 11.20 | 67.29   | 11.66 | 78.39   | 12.91 | 81.52 | 8.23  |
|      | -10                            | 39.92                       | 10.05 | 45.59   | 10.81 | 56.07   | 12.45 | 61.62 | 12.74 | 67.29   | 13.26 | 78.39   | 14.69 | 81.52 | 9.36  |
|      | -5                             | 39.92                       | 11.28 | 45.59   | 12.13 | 56.07   | 13.98 | 61.62 | 14.30 | 67.29   | 14.89 | 78.39   | 16.49 | 81.52 | 10.51 |
|      | -2                             | 39.92                       | 12.03 | 45.59   | 12.94 | 56.07   | 14.91 | 61.62 | 15.25 | 67.29   | 15.88 | 78.39   | 17.58 | 81.52 | 11.21 |
|      | 0                              | 39.92                       | 12.53 | 45.59   | 13.48 | 56.07   | 15.53 | 61.62 | 15.89 | 67.29   | 16.54 | 78.39   | 18.32 | 81.52 | 11.68 |
|      | 2                              | 39.92                       | 13.04 | 45.59   | 14.03 | 56.07   | 16.16 | 61.62 | 16.53 | 67.29   | 17.21 | 78.39   | 19.06 | 81.52 | 12.15 |
|      | 4                              | 39.92                       | 13.55 | 45.59   | 14.58 | 56.07   | 16.79 | 61.62 | 17.18 | 67.29   | 17.89 | 78.39   | 19.80 | 81.52 | 12.62 |
|      | 6                              | 39.92                       | 14.06 | 45.59   | 15.13 | 56.07   | 17.43 | 61.62 | 17.83 | 67.29   | 18.56 | 78.39   | 20.56 | 81.52 | 13.10 |
|      | 8                              | 39.92                       | 14.58 | 45.59   | 15.68 | 56.07   | 18.07 | 61.62 | 18.48 | 67.29   | 19.25 | 78.39   | 21.31 | 81.52 | 13.58 |
|      | 10                             | 39.92                       | 15.10 | 45.59   | 16.24 | 56.07   | 18.72 | 61.62 | 19.14 | 67.29   | 19.93 | 78.39   | 22.07 | 81.52 | 14.07 |
|      | 12                             | 39.92                       | 15.62 | 45.59   | 16.81 | 56.07   | 19.37 | 61.62 | 19.81 | 67.29   | 20.62 | 78.39   | 22.84 | 81.52 | 14.55 |
|      | 14                             | 39.92                       | 16.15 | 45.59   | 17.37 | 56.07   | 20.02 | 61.62 | 20.47 | 67.29   | 21.32 | 78.39   | 23.61 | 81.52 | 15.05 |
|      | 16                             | 39.92                       | 16.68 | 45.59   | 17.94 | 56.07   | 20.68 | 61.62 | 21.15 | 67.29   | 22.02 | 78.39   | 24.38 | 81.52 | 15.54 |
|      | 18                             | 39.92                       | 17.21 | 45.59   | 18.52 | 56.07   | 21.34 | 61.62 | 21.82 | 67.29   | 22.72 | 78.39   | 25.16 | 81.52 | 16.04 |
|      | 20                             | 39.92                       | 17.75 | 45.59   | 19.10 | 56.07   | 22.00 | 61.62 | 22.51 | 67.29   | 23.43 | 78.39   | 25.95 | 81.52 | 16.54 |
|      | 21                             | 39.92                       | 18.02 | 45.59   | 19.39 | 56.07   | 22.34 | 61.62 | 22.85 | 67.29   | 23.79 | 78.39   | 26.34 | 81.52 | 16.79 |
|      | 23                             | 39.92                       | 18.56 | 45.59   | 19.97 | 56.07   | 23.01 | 61.62 | 23.54 | 67.29   | 24.51 | 78.39   | 27.13 | 81.52 | 17.29 |
|      | 25                             | 39.92                       | 19.11 | 45.59   | 20.56 | 56.07   | 23.69 | 61.62 | 24.23 | 67.29   | 25.23 | 78.39   | 27.93 | 81.52 | 17.80 |
|      | 27                             | 39.92                       | 19.66 | 45.59   | 21.15 | 56.07   | 24.37 | 61.62 | 24.92 | 67.29   | 25.95 | 78.39   | 28.74 | 81.52 | 18.32 |
|      | 29                             | 39.92                       | 20.21 | 45.59   | 21.74 | 56.07   | 25.05 | 61.62 | 25.63 | 67.29   | 26.68 | 78.39   | 29.54 | 81.52 | 18.83 |
|      | 31                             | 39.92                       | 20.77 | 45.59   | 22.34 | 56.07   | 25.74 | 61.62 | 26.33 | 67.29   | 27.42 | 78.39   | 30.36 | 81.52 | 19.35 |
|      | 33                             | 39.92                       | 21.33 | 45.59   | 22.95 | 56.07   | 26.44 | 61.62 | 27.04 | 67.29   | 28.16 | 76.38   | 30.38 | 81.52 | 19.87 |
|      | 35                             | 39.92                       | 21.89 | 45.59   | 23.55 | 56.07   | 27.14 | 61.50 | 27.70 | 64.57   | 27.74 | 70.72   | 28.87 | 76.88 | 19.23 |
|      | 37                             | 39.92                       | 22.33 | 45.59   | 24.03 | 56.07   | 27.69 | 61.14 | 28.10 | 63.58   | 27.86 | 69.63   | 29.00 | 75.69 | 19.32 |
|      | 39                             | 39.92                       | 22.78 | 45.59   | 24.51 | 56.07   | 28.24 | 60.18 | 28.21 | 62.58   | 27.97 | 68.54   | 29.11 | 74.50 | 19.40 |
|      | 41                             | 39.92                       | 23.22 | 45.59   | 24.99 | 55.95   | 28.73 | 58.97 | 28.18 | 61.59   | 28.06 | 67.45   | 29.21 | 73.32 | 19.46 |
|      | 43                             | 39.92                       | 23.67 | 45.59   | 25.47 | 55.23   | 28.91 | 57.70 | 28.11 | 60.59   | 28.15 | 66.36   | 29.30 | 72.13 | 19.52 |
|      | 46                             | 39.92                       | 24.13 | 45.59   | 25.96 | 53.92   | 28.76 | 56.76 | 28.18 | 59.59   | 28.21 | 65.27   | 29.37 | 70.94 | 19.57 |
|      | 48                             | 39.92                       | 24.81 | 44.82   | 26.25 | 50.10   | 27.48 | 52.73 | 26.93 | 55.37   | 26.96 | 60.64   | 28.06 | 65.92 | 18.69 |
|      | 50                             | 37.54                       | 23.77 | 42.54   | 25.38 | 47.55   | 26.57 | 50.05 | 26.03 | 52.55   | 26.06 | 57.56   | 27.13 | 62.56 | 18.07 |
|      | 52                             | 35.53                       | 22.91 | 40.26   | 24.46 | 45.00   | 25.61 | 47.37 | 25.09 | 49.74   | 25.12 | 54.48   | 26.15 | 59.21 | 17.42 |
|      | 55                             | 33.52                       | 22.00 | 37.98   | 23.49 | 42.45   | 24.60 | 44.69 | 24.10 | 46.92   | 24.13 | 51.39   | 25.11 | 55.86 | 16.73 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

## V8 PRO VRF 50Hz



Table2-8.8:22HP cooling capacity(continued)

| CR  | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |       |         |       |         |       |       |       |         |       |         |       |       |       |
|-----|--------------------------|-----------------------------|-------|---------|-------|---------|-------|-------|-------|---------|-------|---------|-------|-------|-------|
|     |                          | 20.8/14                     |       | 23.3/16 |       | 25.8/18 |       | 27/19 |       | 28.2/20 |       | 30.7/22 |       | 32/24 |       |
|     |                          | TC                          | PI    | TC      | PI    | TC      | PI    | TC    | PI    | TC      | PI    | TC      | PI    | TC    | PI    |
| 90% | -15                      | 35.93                       | 7.67  | 41.13   | 8.27  | 51.37   | 9.68  | 55.72 | 9.77  | 60.78   | 10.16 | 71.03   | 11.28 | 78.15 | 7.61  |
|     | -10                      | 35.93                       | 8.72  | 41.13   | 9.40  | 51.37   | 11.00 | 55.72 | 11.11 | 60.78   | 11.55 | 71.03   | 12.83 | 78.15 | 8.65  |
|     | -5                       | 35.93                       | 9.79  | 41.13   | 10.56 | 51.37   | 12.35 | 55.72 | 12.47 | 60.78   | 12.97 | 71.03   | 14.41 | 78.15 | 9.72  |
|     | -2                       | 35.93                       | 10.44 | 41.13   | 11.26 | 51.37   | 13.17 | 55.72 | 13.30 | 60.78   | 13.83 | 71.03   | 15.36 | 78.15 | 10.36 |
|     | 0                        | 35.93                       | 10.88 | 41.13   | 11.73 | 51.37   | 13.73 | 55.72 | 13.86 | 60.78   | 14.41 | 71.03   | 16.01 | 78.15 | 10.79 |
|     | 2                        | 35.93                       | 11.32 | 41.13   | 12.20 | 51.37   | 14.28 | 55.72 | 14.42 | 60.78   | 14.99 | 71.03   | 16.66 | 78.15 | 11.23 |
|     | 4                        | 35.93                       | 11.76 | 41.13   | 12.68 | 51.37   | 14.84 | 55.72 | 14.98 | 60.78   | 15.58 | 71.03   | 17.31 | 78.15 | 11.67 |
|     | 6                        | 35.93                       | 12.20 | 41.13   | 13.16 | 51.37   | 15.40 | 55.72 | 15.55 | 60.78   | 16.17 | 71.03   | 17.96 | 78.15 | 12.11 |
|     | 8                        | 35.93                       | 12.65 | 41.13   | 13.65 | 51.37   | 15.97 | 55.72 | 16.12 | 60.78   | 16.77 | 71.03   | 18.62 | 78.15 | 12.56 |
|     | 10                       | 35.93                       | 13.10 | 41.13   | 14.13 | 51.37   | 16.54 | 55.72 | 16.69 | 60.78   | 17.36 | 71.03   | 19.29 | 78.15 | 13.01 |
|     | 12                       | 35.93                       | 13.56 | 41.13   | 14.62 | 51.37   | 17.11 | 55.72 | 17.27 | 60.78   | 17.97 | 71.03   | 19.96 | 78.15 | 13.46 |
|     | 14                       | 35.93                       | 14.02 | 41.13   | 15.12 | 51.37   | 17.69 | 55.72 | 17.86 | 60.78   | 18.57 | 71.03   | 20.63 | 78.15 | 13.91 |
|     | 16                       | 35.93                       | 14.48 | 41.13   | 15.61 | 51.37   | 18.27 | 55.72 | 18.44 | 60.78   | 19.18 | 71.03   | 21.31 | 78.15 | 14.37 |
|     | 18                       | 35.93                       | 14.94 | 41.13   | 16.11 | 51.37   | 18.85 | 55.72 | 19.03 | 60.78   | 19.80 | 71.03   | 21.99 | 78.15 | 14.83 |
|     | 20                       | 35.93                       | 15.41 | 41.13   | 16.62 | 51.37   | 19.44 | 55.72 | 19.63 | 60.78   | 20.41 | 71.03   | 22.67 | 78.15 | 15.29 |
|     | 21                       | 35.93                       | 15.64 | 41.13   | 16.87 | 51.37   | 19.74 | 55.72 | 19.92 | 60.78   | 20.72 | 71.03   | 23.02 | 78.15 | 15.52 |
|     | 23                       | 35.93                       | 16.11 | 41.13   | 17.38 | 51.37   | 20.33 | 55.72 | 20.52 | 60.78   | 21.35 | 71.03   | 23.71 | 78.15 | 15.99 |
|     | 25                       | 35.93                       | 16.58 | 41.13   | 17.89 | 51.37   | 20.93 | 55.72 | 21.13 | 60.78   | 21.98 | 71.03   | 24.41 | 78.15 | 16.46 |
|     | 27                       | 35.93                       | 17.06 | 41.13   | 18.40 | 51.37   | 21.53 | 55.72 | 21.74 | 60.78   | 22.61 | 71.03   | 25.11 | 78.15 | 16.93 |
|     | 29                       | 35.93                       | 17.54 | 41.13   | 18.92 | 51.37   | 22.14 | 55.72 | 22.35 | 60.78   | 23.24 | 71.03   | 25.82 | 78.15 | 17.41 |
|     | 31                       | 35.93                       | 18.03 | 41.13   | 19.44 | 51.37   | 22.75 | 55.72 | 22.96 | 60.78   | 23.88 | 71.03   | 26.53 | 78.15 | 17.89 |
|     | 33                       | 35.93                       | 18.51 | 41.13   | 19.96 | 51.37   | 23.36 | 55.72 | 23.58 | 60.78   | 24.53 | 71.03   | 27.24 | 78.15 | 18.37 |
|     | 35                       | 35.93                       | 19.00 | 41.13   | 20.49 | 51.37   | 23.98 | 55.72 | 24.21 | 60.78   | 25.18 | 70.72   | 27.84 | 76.88 | 18.55 |
|     | 37                       | 35.93                       | 19.38 | 41.13   | 20.91 | 51.37   | 24.46 | 55.72 | 24.69 | 60.78   | 25.69 | 66.48   | 26.70 | 72.26 | 17.79 |
|     | 39                       | 35.93                       | 19.77 | 41.13   | 21.32 | 51.37   | 24.95 | 55.35 | 25.02 | 59.34   | 25.58 | 62.46   | 25.59 | 67.89 | 17.05 |
|     | 41                       | 35.93                       | 20.16 | 41.13   | 21.74 | 51.37   | 25.44 | 55.35 | 25.51 | 58.00   | 25.49 | 61.47   | 25.67 | 66.81 | 17.10 |
|     | 43                       | 35.93                       | 20.55 | 41.13   | 22.16 | 50.41   | 25.45 | 55.23 | 25.95 | 56.32   | 25.23 | 60.47   | 25.75 | 65.73 | 17.15 |
|     | 46                       | 35.93                       | 20.94 | 41.13   | 22.59 | 49.45   | 25.44 | 53.42 | 25.58 | 54.30   | 24.79 | 59.48   | 25.81 | 64.65 | 17.19 |
|     | 48                       | 35.93                       | 21.54 | 40.85   | 23.07 | 45.65   | 24.15 | 48.05 | 23.66 | 50.46   | 23.69 | 55.26   | 24.66 | 60.07 | 16.43 |
|     | 50                       | 34.21                       | 20.89 | 38.77   | 22.30 | 43.33   | 23.35 | 45.61 | 22.88 | 47.89   | 22.90 | 52.45   | 23.84 | 57.01 | 15.88 |
|     | 52                       | 32.37                       | 20.13 | 36.69   | 21.49 | 41.01   | 22.51 | 43.17 | 22.05 | 45.32   | 22.07 | 49.64   | 22.98 | 53.96 | 15.31 |
|     | 55                       | 30.54                       | 19.33 | 34.61   | 20.64 | 38.69   | 21.62 | 40.72 | 21.18 | 42.76   | 21.20 | 46.83   | 22.07 | 50.90 | 14.70 |
| 80% | -15                      | 31.96                       | 6.54  | 36.54   | 7.05  | 45.59   | 8.24  | 50.17 | 8.44  | 54.26   | 8.70  | 62.83   | 9.57  | 71.75 | 6.70  |
|     | -10                      | 31.96                       | 7.44  | 36.54   | 8.01  | 45.59   | 9.37  | 50.17 | 9.59  | 54.26   | 9.89  | 62.83   | 10.89 | 71.75 | 7.62  |
|     | -5                       | 31.96                       | 8.35  | 36.54   | 9.00  | 45.59   | 10.52 | 50.17 | 10.77 | 54.26   | 11.11 | 62.83   | 12.22 | 71.75 | 8.56  |
|     | -2                       | 31.96                       | 8.91  | 36.54   | 9.59  | 45.59   | 11.21 | 50.17 | 11.49 | 54.26   | 11.85 | 62.83   | 13.04 | 71.75 | 9.12  |
|     | 0                        | 31.96                       | 9.28  | 36.54   | 10.00 | 45.59   | 11.68 | 50.17 | 11.97 | 54.26   | 12.34 | 62.83   | 13.58 | 71.75 | 9.51  |
|     | 2                        | 31.96                       | 9.66  | 36.54   | 10.40 | 45.59   | 12.16 | 50.17 | 12.45 | 54.26   | 12.84 | 62.83   | 14.13 | 71.75 | 9.89  |
|     | 4                        | 31.96                       | 10.03 | 36.54   | 10.81 | 45.59   | 12.63 | 50.17 | 12.94 | 54.26   | 13.34 | 62.83   | 14.68 | 71.75 | 10.28 |
|     | 6                        | 31.96                       | 10.41 | 36.54   | 11.22 | 45.59   | 13.11 | 50.17 | 13.43 | 54.26   | 13.85 | 62.83   | 15.24 | 71.75 | 10.67 |
|     | 8                        | 31.96                       | 10.80 | 36.54   | 11.63 | 45.59   | 13.59 | 50.17 | 13.92 | 54.26   | 14.36 | 62.83   | 15.80 | 71.75 | 11.06 |
|     | 10                       | 31.96                       | 11.18 | 36.54   | 12.04 | 45.59   | 14.08 | 50.17 | 14.42 | 54.26   | 14.87 | 62.83   | 16.36 | 71.75 | 11.45 |
|     | 12                       | 31.96                       | 11.57 | 36.54   | 12.46 | 45.59   | 14.57 | 50.17 | 14.92 | 54.26   | 15.38 | 62.83   | 16.93 | 71.75 | 11.85 |
|     | 14                       | 31.96                       | 11.96 | 36.54   | 12.88 | 45.59   | 15.06 | 50.17 | 15.42 | 54.26   | 15.90 | 62.83   | 17.50 | 71.75 | 12.25 |
|     | 16                       | 31.96                       | 12.35 | 36.54   | 13.30 | 45.59   | 15.55 | 50.17 | 15.93 | 54.26   | 16.43 | 62.83   | 18.08 | 71.75 | 12.65 |
|     | 18                       | 31.96                       | 12.75 | 36.54   | 13.73 | 45.59   | 16.05 | 50.17 | 16.44 | 54.26   | 16.95 | 62.83   | 18.66 | 71.75 | 13.06 |
|     | 20                       | 31.96                       | 13.14 | 36.54   | 14.16 | 45.59   | 16.55 | 50.17 | 16.95 | 54.26   | 17.48 | 62.83   | 19.24 | 71.75 | 13.46 |
|     | 21                       | 31.96                       | 13.34 | 36.54   | 14.37 | 45.59   | 16.80 | 50.17 | 17.21 | 54.26   | 17.75 | 62.83   | 19.53 | 71.75 | 13.67 |
|     | 23                       | 31.96                       | 13.75 | 36.54   | 14.81 | 45.59   | 17.31 | 50.17 | 17.73 | 54.26   | 18.28 | 62.83   | 20.12 | 71.75 | 14.08 |
|     | 25                       | 31.96                       | 14.15 | 36.54   | 15.24 | 45.59   | 17.82 | 50.17 | 18.25 | 54.26   | 18.82 | 62.83   | 20.71 | 71.75 | 14.50 |
|     | 27                       | 31.96                       | 14.56 | 36.54   | 15.68 | 45.59   | 18.33 | 50.17 | 18.77 | 54.26   | 19.36 | 62.83   | 21.31 | 71.75 | 14.91 |
|     | 29                       | 31.96                       | 14.97 | 36.54   | 16.12 | 45.59   | 18.84 | 50.17 | 19.30 | 54.26   | 19.90 | 62.83   | 21.91 | 71.75 | 15.33 |
|     | 31                       | 31.96                       | 15.38 | 36.54   | 16.57 | 45.59   | 19.36 | 50.17 | 19.83 | 54.26   | 20.45 | 62.83   | 22.51 | 71.75 | 15.75 |
|     | 33                       | 31.96                       | 15.79 | 36.54   | 17.01 | 45.59   | 19.89 | 50.17 | 20.37 | 54.26   | 21.00 | 62.83   | 23.12 | 71.75 | 16.18 |
|     | 35                       | 31.96                       | 16.21 | 36.54   | 17.46 | 45.59   | 20.41 | 50.17 | 20.91 | 54.26   | 21.56 | 62.83   | 23.73 | 71.75 | 16.61 |
|     | 37                       | 31.96                       | 16.54 | 36.54   | 17.82 | 45.59   | 20.82 | 50.17 | 21.33 | 54.26   | 21.99 | 62.83   | 24.21 | 71.75 | 16.94 |
|     | 39                       | 31.96                       | 16.87 | 36.54   | 18.17 | 45.59   | 21.24 | 50.17 | 21.75 | 54.26   | 22.43 | 62.24   | 24.46 | 67.65 | 16.29 |
|     | 41                       | 31.96                       | 17.20 | 36.54   | 18.53 | 45.59   | 21.66 | 50.17 | 22.18 | 53.67   | 22.62 | 59.46   | 23.82 | 63.04 | 15.48 |
|     | 43                       | 31.96                       | 17.53 | 36.54   | 18.89 | 45.59   | 22.08 | 49.20 | 22.17 | 53.67   | 23.06 | 56.92   | 23.25 | 59.15 | 14.81 |
|     | 46                       | 31.96                       | 17.87 | 36.54   | 19.25 | 44.74   | 22.08 | 49.20 | 22.60 | 51.73   | 22.66 | 54.39   | 22.64 | 58.17 | 14.84 |
|     | 48                       | 31.96                       | 18.38 | 36.54   | 19.79 | 41.97   | 21.30 | 45.22 | 21.36 | 45.59   | 20.53 | 49.73   | 21.29 | 54.05 | 14.18 |
|     | 50                       | 31.36                       | 18.37 | 34.89   | 19.25 | 38.99   | 20.16 | 41.04 | 19.75 | 43.09   | 19.77 | 47.20   | 20.58 | 51.30 | 13.71 |
|     | 52                       | 29.13                       | 17.38 | 33.02   | 18.55 | 36.90   | 19.43 | 38.84 | 19.03 | 40.79   | 19.05 | 44.67   | 19.83 | 48.55 | 13.21 |
|     | 55                       | 27.48                       | 16.69 | 31.15   | 17.82 | 34.81   | 18.66 | 36.64 | 18.28 | 38.48   | 18.30 | 42.14   | 19.05 | 45.81 | 12.69 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...



Table2-8.8:22HP cooling capacity(continued)

| CR  | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |       |         |       |         |       |       |       |         |       |         |       |       |       |
|-----|--------------------------|-----------------------------|-------|---------|-------|---------|-------|-------|-------|---------|-------|---------|-------|-------|-------|
|     |                          | 20.8/14                     |       | 23.3/16 |       | 25.8/18 |       | 27/19 |       | 28.2/20 |       | 30.7/22 |       | 32/24 |       |
|     |                          | TC                          | PI    | TC      | PI    | TC      | PI    | TC    | PI    | TC      | PI    | TC      | PI    | TC    | PI    |
| 70% | -15                      | 27.98                       | 5.46  | 31.96   | 5.87  | 39.92   | 6.87  | 43.90 | 7.03  | 47.87   | 7.31  | 54.87   | 7.97  | 63.31 | 5.64  |
|     | -10                      | 27.98                       | 6.21  | 31.96   | 6.68  | 39.92   | 7.82  | 43.90 | 8.00  | 47.87   | 8.32  | 54.87   | 9.06  | 63.31 | 6.41  |
|     | -5                       | 27.98                       | 6.97  | 31.96   | 7.50  | 39.92   | 8.78  | 43.90 | 8.98  | 47.87   | 9.34  | 54.87   | 10.17 | 63.31 | 7.19  |
|     | -2                       | 27.98                       | 7.43  | 31.96   | 8.00  | 39.92   | 9.36  | 43.90 | 9.58  | 47.87   | 9.96  | 54.87   | 10.85 | 63.31 | 7.67  |
|     | 0                        | 27.98                       | 7.74  | 31.96   | 8.33  | 39.92   | 9.75  | 43.90 | 9.98  | 47.87   | 10.38 | 54.87   | 11.30 | 63.31 | 7.99  |
|     | 2                        | 27.98                       | 8.06  | 31.96   | 8.67  | 39.92   | 10.14 | 43.90 | 10.38 | 47.87   | 10.80 | 54.87   | 11.76 | 63.31 | 8.32  |
|     | 4                        | 27.98                       | 8.37  | 31.96   | 9.01  | 39.92   | 10.54 | 43.90 | 10.79 | 47.87   | 11.22 | 54.87   | 12.22 | 63.31 | 8.64  |
|     | 6                        | 27.98                       | 8.69  | 31.96   | 9.35  | 39.92   | 10.94 | 43.90 | 11.20 | 47.87   | 11.64 | 54.87   | 12.68 | 63.31 | 8.97  |
|     | 8                        | 27.98                       | 9.01  | 31.96   | 9.69  | 39.92   | 11.34 | 43.90 | 11.61 | 47.87   | 12.07 | 54.87   | 13.15 | 63.31 | 9.30  |
|     | 10                       | 27.98                       | 9.33  | 31.96   | 10.04 | 39.92   | 11.75 | 43.90 | 12.02 | 47.87   | 12.50 | 54.87   | 13.62 | 63.31 | 9.63  |
|     | 12                       | 27.98                       | 9.65  | 31.96   | 10.39 | 39.92   | 12.15 | 43.90 | 12.44 | 47.87   | 12.93 | 54.87   | 14.09 | 63.31 | 9.97  |
|     | 14                       | 27.98                       | 9.98  | 31.96   | 10.74 | 39.92   | 12.56 | 43.90 | 12.86 | 47.87   | 13.37 | 54.87   | 14.57 | 63.31 | 10.30 |
|     | 16                       | 27.98                       | 10.31 | 31.96   | 11.09 | 39.92   | 12.98 | 43.90 | 13.28 | 47.87   | 13.81 | 54.87   | 15.05 | 63.31 | 10.64 |
|     | 18                       | 27.98                       | 10.64 | 31.96   | 11.44 | 39.92   | 13.39 | 43.90 | 13.71 | 47.87   | 14.25 | 54.87   | 15.53 | 63.31 | 10.98 |
|     | 20                       | 27.98                       | 10.97 | 31.96   | 11.80 | 39.92   | 13.81 | 43.90 | 14.13 | 47.87   | 14.70 | 54.87   | 16.01 | 63.31 | 11.32 |
|     | 21                       | 27.98                       | 11.13 | 31.96   | 11.98 | 39.92   | 14.02 | 43.90 | 14.35 | 47.87   | 14.92 | 54.87   | 16.25 | 63.31 | 11.49 |
|     | 23                       | 27.98                       | 11.47 | 31.96   | 12.34 | 39.92   | 14.44 | 43.90 | 14.78 | 47.87   | 15.37 | 54.87   | 16.74 | 63.31 | 11.84 |
|     | 25                       | 27.98                       | 11.81 | 31.96   | 12.71 | 39.92   | 14.87 | 43.90 | 15.22 | 47.87   | 15.82 | 54.87   | 17.24 | 63.31 | 12.19 |
|     | 27                       | 27.98                       | 12.15 | 31.96   | 13.07 | 39.92   | 15.29 | 43.90 | 15.65 | 47.87   | 16.28 | 54.87   | 17.73 | 63.31 | 12.54 |
|     | 29                       | 27.98                       | 12.49 | 31.96   | 13.44 | 39.92   | 15.73 | 43.90 | 16.09 | 47.87   | 16.73 | 54.87   | 18.23 | 63.31 | 12.89 |
|     | 31                       | 27.98                       | 12.83 | 31.96   | 13.81 | 39.92   | 16.16 | 43.90 | 16.54 | 47.87   | 17.20 | 54.87   | 18.73 | 63.31 | 13.25 |
|     | 33                       | 27.98                       | 13.18 | 31.96   | 14.18 | 39.92   | 16.59 | 43.90 | 16.98 | 47.87   | 17.66 | 54.87   | 19.24 | 63.31 | 13.61 |
|     | 35                       | 27.98                       | 13.53 | 31.96   | 14.56 | 39.92   | 17.03 | 43.90 | 17.43 | 47.87   | 18.13 | 54.87   | 19.75 | 63.31 | 13.96 |
|     | 37                       | 27.98                       | 13.80 | 31.96   | 14.85 | 39.92   | 17.38 | 43.90 | 17.79 | 47.87   | 18.49 | 54.87   | 20.15 | 63.31 | 14.25 |
|     | 39                       | 27.98                       | 14.07 | 31.96   | 15.15 | 39.92   | 17.72 | 43.90 | 18.14 | 47.87   | 18.86 | 54.87   | 20.55 | 63.31 | 14.53 |
|     | 41                       | 27.98                       | 14.35 | 31.96   | 15.44 | 39.92   | 18.07 | 43.90 | 18.50 | 47.87   | 19.23 | 54.87   | 20.95 | 63.04 | 14.75 |
|     | 43                       | 27.98                       | 14.63 | 31.96   | 15.74 | 39.92   | 18.42 | 43.90 | 18.85 | 47.87   | 19.60 | 54.87   | 21.36 | 58.42 | 13.94 |
|     | 46                       | 27.98                       | 14.91 | 31.96   | 16.04 | 39.92   | 18.77 | 43.06 | 18.85 | 47.03   | 19.63 | 52.94   | 21.00 | 54.51 | 13.25 |
|     | 48                       | 27.98                       | 15.33 | 31.96   | 16.50 | 39.19   | 18.95 | 40.40 | 18.19 | 44.38   | 19.05 | 45.83   | 18.70 | 47.87 | 11.97 |
|     | 50                       | 27.50                       | 15.35 | 31.36   | 16.49 | 36.90   | 18.18 | 38.11 | 17.47 | 38.83   | 16.98 | 41.80   | 17.37 | 45.44 | 11.57 |
|     | 52                       | 25.80                       | 14.67 | 29.24   | 15.66 | 32.68   | 16.40 | 34.40 | 16.06 | 36.12   | 16.08 | 39.56   | 16.74 | 43.00 | 11.15 |
|     | 55                       | 24.34                       | 14.09 | 27.59   | 15.04 | 30.83   | 15.75 | 32.45 | 15.43 | 34.08   | 15.45 | 37.32   | 16.08 | 40.57 | 10.71 |
| 60% | -15                      | 24.00                       | 4.43  | 27.38   | 4.76  | 34.25   | 5.58  | 37.63 | 5.70  | 41.13   | 5.94  | 47.87   | 6.57  | 53.79 | 4.53  |
|     | -10                      | 24.00                       | 5.03  | 27.38   | 5.41  | 34.25   | 6.34  | 37.63 | 6.48  | 41.13   | 6.76  | 47.87   | 7.48  | 53.79 | 5.15  |
|     | -5                       | 24.00                       | 5.65  | 27.38   | 6.07  | 34.25   | 7.12  | 37.63 | 7.28  | 41.13   | 7.59  | 47.87   | 8.39  | 53.79 | 5.78  |
|     | -2                       | 24.00                       | 6.03  | 27.38   | 6.48  | 34.25   | 7.59  | 37.63 | 7.76  | 41.13   | 8.09  | 47.87   | 8.95  | 53.79 | 6.16  |
|     | 0                        | 24.00                       | 6.28  | 27.38   | 6.75  | 34.25   | 7.91  | 37.63 | 8.09  | 41.13   | 8.43  | 47.87   | 9.32  | 53.79 | 6.42  |
|     | 2                        | 24.00                       | 6.53  | 27.38   | 7.02  | 34.25   | 8.23  | 37.63 | 8.41  | 41.13   | 8.77  | 47.87   | 9.70  | 53.79 | 6.68  |
|     | 4                        | 24.00                       | 6.79  | 27.38   | 7.30  | 34.25   | 8.55  | 37.63 | 8.74  | 41.13   | 9.11  | 47.87   | 10.08 | 53.79 | 6.94  |
|     | 6                        | 24.00                       | 7.05  | 27.38   | 7.57  | 34.25   | 8.88  | 37.63 | 9.08  | 41.13   | 9.46  | 47.87   | 10.46 | 53.79 | 7.21  |
|     | 8                        | 24.00                       | 7.31  | 27.38   | 7.85  | 34.25   | 9.20  | 37.63 | 9.41  | 41.13   | 9.81  | 47.87   | 10.85 | 53.79 | 7.47  |
|     | 10                       | 24.00                       | 7.57  | 27.38   | 8.13  | 34.25   | 9.53  | 37.63 | 9.74  | 41.13   | 10.16 | 47.87   | 11.23 | 53.79 | 7.74  |
|     | 12                       | 24.00                       | 5.07  | 27.38   | 5.45  | 34.25   | 6.38  | 37.63 | 6.53  | 41.13   | 6.80  | 47.87   | 7.52  | 53.79 | 8.01  |
|     | 14                       | 24.00                       | 5.24  | 27.38   | 5.63  | 34.25   | 6.60  | 37.63 | 6.75  | 41.13   | 7.03  | 47.87   | 7.78  | 53.79 | 8.28  |
|     | 16                       | 24.00                       | 5.41  | 27.38   | 5.81  | 34.25   | 6.81  | 37.63 | 6.97  | 41.13   | 7.26  | 47.87   | 8.03  | 53.79 | 8.55  |
|     | 18                       | 24.00                       | 5.58  | 27.38   | 6.00  | 34.25   | 7.03  | 37.63 | 7.19  | 41.13   | 7.49  | 47.87   | 8.29  | 53.79 | 8.82  |
|     | 20                       | 24.00                       | 5.76  | 27.38   | 6.19  | 34.25   | 7.25  | 37.63 | 7.41  | 41.13   | 7.73  | 47.87   | 8.55  | 53.79 | 9.10  |
|     | 21                       | 24.00                       | 5.84  | 27.38   | 6.28  | 34.25   | 7.36  | 37.63 | 7.53  | 41.13   | 7.85  | 47.87   | 8.68  | 53.79 | 9.23  |
|     | 23                       | 24.00                       | 6.02  | 27.38   | 6.47  | 34.25   | 7.58  | 37.63 | 7.75  | 41.13   | 8.08  | 47.87   | 8.94  | 53.79 | 9.51  |
|     | 25                       | 24.00                       | 6.20  | 27.38   | 6.66  | 34.25   | 7.81  | 37.63 | 7.98  | 41.13   | 8.32  | 47.87   | 9.20  | 53.79 | 9.79  |
|     | 27                       | 24.00                       | 6.38  | 27.38   | 6.85  | 34.25   | 8.03  | 37.63 | 8.21  | 41.13   | 8.56  | 47.87   | 9.47  | 53.79 | 10.07 |
|     | 29                       | 24.00                       | 6.55  | 27.38   | 7.05  | 34.25   | 8.26  | 37.63 | 8.44  | 41.13   | 8.80  | 47.87   | 9.73  | 53.79 | 10.36 |
|     | 31                       | 24.00                       | 6.74  | 27.38   | 7.24  | 34.25   | 8.48  | 37.63 | 8.68  | 41.13   | 9.04  | 47.87   | 10.00 | 53.79 | 10.64 |
|     | 33                       | 24.00                       | 6.92  | 27.38   | 7.43  | 34.25   | 8.71  | 37.63 | 8.91  | 41.13   | 9.29  | 47.87   | 10.27 | 53.79 | 10.93 |
|     | 35                       | 24.00                       | 7.10  | 27.38   | 7.63  | 34.25   | 8.94  | 37.63 | 9.14  | 41.13   | 9.53  | 47.87   | 10.54 | 53.79 | 11.22 |
|     | 37                       | 24.00                       | 7.24  | 27.38   | 7.79  | 34.25   | 9.12  | 37.63 | 9.33  | 41.13   | 9.72  | 47.87   | 10.76 | 53.79 | 11.44 |
|     | 39                       | 24.00                       | 7.39  | 27.38   | 7.94  | 34.25   | 9.31  | 37.63 | 9.51  | 41.13   | 9.92  | 47.87   | 10.97 | 53.79 | 11.67 |
|     | 41                       | 24.00                       | 7.53  | 27.38   | 8.10  | 34.25   | 9.49  | 37.63 | 9.70  | 41.13   | 10.11 | 47.87   | 11.19 | 53.79 | 11.90 |
|     | 43                       | 24.00                       | 7.68  | 27.38   | 8.25  | 34.25   | 9.67  | 37.63 | 9.89  | 41.13   | 10.31 | 47.87   | 11.40 | 53.79 | 12.13 |
|     | 46                       | 24.00                       | 7.83  | 27.38   | 8.41  | 34.25   | 9.86  | 37.63 | 10.08 | 41.13   | 10.50 | 47.87   | 11.62 | 53.79 | 12.36 |
|     | 48                       | 24.00                       | 8.05  | 27.38   | 8.65  | 34.25   | 10.14 | 37.63 | 10.37 | 39.67   | 10.42 | 44.50   | 11.11 | 46.89 | 11.09 |
|     | 50                       | 24.00                       | 8.20  | 27.38   | 8.81  | 32.44   | 9.78  | 34.61 | 9.71  | 37.51   | 10.04 | 39.07   | 9.93  | 42.28 | 10.18 |
|     | 52                       | 23.51                       | 8.18  | 25.61   | 8.39  | 29.91   | 9.18  | 31.36 | 8.96  | 31.64   | 8.62  | 34.66   | 8.97  | 37.67 | 9.24  |
|     | 55                       | 21.12                       | 7.48  | 23.93   | 7.98  | 26.75   | 8.36  | 28.15 | 8.19  | 29.56   | 8.20  | 32.38   | 8.54  | 35.19 | 8.79  |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

# V8 PRO VRF 50Hz



Table2-8.8:22HP cooling capacity(continued)

| CR  | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |      |         |      |         |      |       |      |         |      |         |      |       |       |
|-----|--------------------------|-----------------------------|------|---------|------|---------|------|-------|------|---------|------|---------|------|-------|-------|
|     |                          | 20.8/14                     |      | 23.3/16 |      | 25.8/18 |      | 27/19 |      | 28.2/20 |      | 30.7/22 |      | 32/24 |       |
|     |                          | TC                          | PI   | TC      | PI   | TC      | PI   | TC    | PI   | TC      | PI   | TC      | PI   | TC    | PI    |
| 50% | -15                      | 20.02                       | 2.24 | 22.79   | 2.40 | 28.59   | 2.82 | 31.36 | 2.88 | 34.25   | 3.00 | 39.92   | 3.32 | 45.59 | 3.59  |
|     | -10                      | 20.02                       | 2.54 | 22.79   | 2.73 | 28.59   | 3.21 | 31.36 | 3.27 | 34.25   | 3.41 | 39.92   | 3.78 | 45.59 | 4.09  |
|     | -5                       | 20.02                       | 2.86 | 22.79   | 3.06 | 28.59   | 3.60 | 31.36 | 3.68 | 34.25   | 3.83 | 39.92   | 4.24 | 45.59 | 4.59  |
|     | -2                       | 20.02                       | 3.05 | 22.79   | 3.27 | 28.59   | 3.84 | 31.36 | 3.92 | 34.25   | 4.08 | 39.92   | 4.52 | 45.59 | 4.89  |
|     | 0                        | 20.02                       | 3.17 | 22.79   | 3.40 | 28.59   | 4.00 | 31.36 | 4.08 | 34.25   | 4.25 | 39.92   | 4.71 | 45.59 | 5.10  |
|     | 2                        | 20.02                       | 3.30 | 22.79   | 3.54 | 28.59   | 4.16 | 31.36 | 4.25 | 34.25   | 4.43 | 39.92   | 4.90 | 45.59 | 5.30  |
|     | 4                        | 20.02                       | 3.43 | 22.79   | 3.68 | 28.59   | 4.33 | 31.36 | 4.42 | 34.25   | 4.60 | 39.92   | 5.09 | 45.59 | 5.51  |
|     | 6                        | 20.02                       | 3.56 | 22.79   | 3.82 | 28.59   | 4.49 | 31.36 | 4.58 | 34.25   | 4.77 | 39.92   | 5.29 | 45.59 | 5.72  |
|     | 8                        | 20.02                       | 3.69 | 22.79   | 3.96 | 28.59   | 4.65 | 31.36 | 4.75 | 34.25   | 4.95 | 39.92   | 5.48 | 45.59 | 5.93  |
|     | 10                       | 20.02                       | 3.82 | 22.79   | 4.10 | 28.59   | 4.82 | 31.36 | 4.92 | 34.25   | 5.12 | 39.92   | 5.68 | 45.59 | 6.14  |
|     | 12                       | 20.02                       | 3.96 | 22.79   | 4.24 | 28.59   | 4.99 | 31.36 | 5.09 | 34.25   | 5.30 | 39.92   | 5.87 | 45.59 | 6.35  |
|     | 14                       | 20.02                       | 4.09 | 22.79   | 4.39 | 28.59   | 5.16 | 31.36 | 5.26 | 34.25   | 5.48 | 39.92   | 6.07 | 45.59 | 6.57  |
|     | 16                       | 20.02                       | 4.22 | 22.79   | 4.53 | 28.59   | 5.33 | 31.36 | 5.44 | 34.25   | 5.66 | 39.92   | 6.27 | 45.59 | 6.78  |
|     | 18                       | 20.02                       | 4.36 | 22.79   | 4.68 | 28.59   | 5.50 | 31.36 | 5.61 | 34.25   | 5.84 | 39.92   | 6.47 | 45.59 | 7.00  |
|     | 20                       | 20.02                       | 4.50 | 22.79   | 4.82 | 28.59   | 5.67 | 31.36 | 5.79 | 34.25   | 6.02 | 39.92   | 6.67 | 45.59 | 7.22  |
|     | 21                       | 20.02                       | 4.56 | 22.79   | 4.90 | 28.59   | 5.75 | 31.36 | 5.87 | 34.25   | 6.12 | 39.92   | 6.78 | 45.59 | 7.33  |
|     | 23                       | 20.02                       | 4.70 | 22.79   | 5.04 | 28.59   | 5.93 | 31.36 | 6.05 | 34.25   | 6.30 | 39.92   | 6.98 | 45.59 | 7.55  |
|     | 25                       | 20.02                       | 4.84 | 22.79   | 5.19 | 28.59   | 6.10 | 31.36 | 6.23 | 34.25   | 6.49 | 39.92   | 7.19 | 45.59 | 7.77  |
|     | 27                       | 20.02                       | 4.98 | 22.79   | 5.34 | 28.59   | 6.28 | 31.36 | 6.41 | 34.25   | 6.67 | 39.92   | 7.39 | 45.59 | 7.99  |
|     | 29                       | 20.02                       | 5.12 | 22.79   | 5.49 | 28.59   | 6.45 | 31.36 | 6.59 | 34.25   | 6.86 | 39.92   | 7.60 | 45.59 | 8.22  |
|     | 31                       | 20.02                       | 5.26 | 22.79   | 5.64 | 28.59   | 6.63 | 31.36 | 6.77 | 34.25   | 7.05 | 39.92   | 7.81 | 45.59 | 8.45  |
|     | 33                       | 20.02                       | 5.40 | 22.79   | 5.79 | 28.59   | 6.81 | 31.36 | 6.95 | 34.25   | 7.24 | 39.92   | 8.02 | 45.59 | 8.67  |
|     | 35                       | 20.02                       | 5.55 | 22.79   | 5.95 | 28.59   | 6.99 | 31.36 | 7.14 | 34.25   | 7.43 | 39.92   | 8.23 | 45.59 | 8.90  |
|     | 37                       | 20.02                       | 5.66 | 22.79   | 6.07 | 28.59   | 7.13 | 31.36 | 7.28 | 34.25   | 7.58 | 39.92   | 8.40 | 45.59 | 9.08  |
|     | 39                       | 20.02                       | 5.77 | 22.79   | 6.19 | 28.59   | 7.27 | 31.36 | 7.42 | 34.25   | 7.73 | 39.92   | 8.57 | 45.59 | 9.26  |
|     | 41                       | 20.02                       | 5.88 | 22.79   | 6.31 | 28.59   | 7.42 | 31.36 | 7.57 | 34.25   | 7.88 | 39.92   | 8.73 | 45.59 | 9.44  |
|     | 43                       | 20.02                       | 6.00 | 22.79   | 6.43 | 28.59   | 7.56 | 31.36 | 7.72 | 34.25   | 8.04 | 39.92   | 8.90 | 45.59 | 9.63  |
|     | 46                       | 20.02                       | 6.11 | 22.79   | 6.56 | 28.59   | 7.70 | 31.36 | 7.86 | 34.25   | 8.19 | 39.92   | 9.07 | 45.59 | 9.81  |
|     | 48                       | 20.02                       | 6.29 | 22.79   | 6.74 | 28.59   | 7.92 | 31.36 | 8.09 | 34.25   | 8.42 | 39.92   | 9.33 | 45.59 | 10.09 |
|     | 50                       | 20.02                       | 6.40 | 22.79   | 6.87 | 28.59   | 8.07 | 31.36 | 8.24 | 34.25   | 8.58 | 38.90   | 9.26 | 42.28 | 9.53  |
|     | 52                       | 20.02                       | 6.52 | 22.79   | 6.99 | 28.59   | 8.22 | 30.14 | 8.06 | 31.64   | 8.07 | 34.66   | 8.40 | 37.67 | 8.65  |
|     | 55                       | 19.83                       | 6.58 | 22.48   | 7.02 | 25.12   | 7.35 | 26.45 | 7.20 | 27.77   | 7.21 | 30.41   | 7.51 | 33.06 | 7.73  |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.



Table2-8.9:24HP cooling capacity

| CR   | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |       |         |       |         |       |       |       |         |       |         |       |       |       |
|------|--------------------------|-----------------------------|-------|---------|-------|---------|-------|-------|-------|---------|-------|---------|-------|-------|-------|
|      |                          | 20.8/14                     |       | 23.3/16 |       | 25.8/18 |       | 27/19 |       | 28.2/20 |       | 30.7/22 |       | 32/24 |       |
|      |                          | TC                          | PI    | TC      | PI    | TC      | PI    | TC    | PI    | TC      | PI    | TC      | PI    | TC    | PI    |
| 130% | -15                      | 53.67                       | 11.77 | 60.22   | 12.45 | 75.42   | 14.60 | 83.02 | 14.96 | 88.87   | 15.27 | 93.54   | 15.28 | 94.60 | 8.52  |
|      | -10                      | 53.67                       | 13.28 | 60.22   | 14.04 | 75.42   | 16.48 | 83.02 | 16.88 | 88.87   | 17.23 | 93.54   | 17.24 | 94.60 | 9.61  |
|      | -5                       | 53.67                       | 14.82 | 60.22   | 15.67 | 75.42   | 18.38 | 83.02 | 18.83 | 88.87   | 19.22 | 93.54   | 19.23 | 94.60 | 10.72 |
|      | -2                       | 53.67                       | 15.75 | 60.22   | 16.65 | 75.42   | 19.54 | 83.02 | 20.02 | 88.87   | 20.43 | 93.54   | 20.44 | 94.60 | 11.40 |
|      | 0                        | 53.67                       | 16.38 | 60.22   | 17.32 | 75.42   | 20.32 | 83.02 | 20.81 | 88.87   | 21.25 | 93.54   | 21.25 | 94.60 | 11.85 |
|      | 2                        | 53.67                       | 17.01 | 60.22   | 17.98 | 75.42   | 21.10 | 83.02 | 21.62 | 88.87   | 22.06 | 93.54   | 22.07 | 94.60 | 12.31 |
|      | 4                        | 53.67                       | 17.65 | 60.22   | 18.65 | 75.42   | 21.89 | 83.02 | 22.42 | 88.87   | 22.89 | 93.54   | 22.90 | 94.60 | 12.77 |
|      | 6                        | 53.67                       | 18.29 | 60.22   | 19.33 | 75.42   | 22.68 | 83.02 | 23.24 | 88.87   | 23.72 | 93.54   | 23.73 | 94.60 | 13.23 |
|      | 8                        | 53.67                       | 18.93 | 60.22   | 20.01 | 75.42   | 23.48 | 83.02 | 24.05 | 88.87   | 24.55 | 93.54   | 24.56 | 94.60 | 13.70 |
|      | 10                       | 53.67                       | 19.58 | 60.22   | 20.70 | 75.42   | 24.28 | 83.02 | 24.88 | 88.87   | 25.39 | 93.54   | 25.40 | 94.60 | 14.17 |
|      | 12                       | 53.67                       | 20.23 | 60.22   | 21.39 | 75.42   | 25.09 | 83.02 | 25.71 | 88.87   | 26.24 | 93.54   | 26.25 | 94.60 | 14.64 |
|      | 14                       | 53.67                       | 20.89 | 60.22   | 22.08 | 75.42   | 25.91 | 83.02 | 26.54 | 88.87   | 27.09 | 93.54   | 27.10 | 94.60 | 15.11 |
|      | 16                       | 53.67                       | 21.55 | 60.22   | 22.78 | 75.42   | 26.73 | 83.02 | 27.38 | 88.87   | 27.95 | 93.54   | 27.96 | 94.60 | 15.59 |
|      | 18                       | 53.67                       | 22.21 | 60.22   | 23.48 | 75.42   | 27.55 | 83.02 | 28.22 | 88.87   | 28.81 | 93.54   | 28.82 | 94.60 | 16.07 |
|      | 20                       | 53.67                       | 22.88 | 60.22   | 24.19 | 75.42   | 28.38 | 83.02 | 29.07 | 88.87   | 29.68 | 93.54   | 29.69 | 94.60 | 16.56 |
|      | 21                       | 53.67                       | 23.22 | 60.22   | 24.54 | 75.42   | 28.80 | 83.02 | 29.50 | 88.87   | 30.11 | 93.54   | 30.13 | 94.60 | 16.80 |
|      | 23                       | 53.67                       | 23.89 | 60.22   | 25.26 | 75.42   | 29.64 | 83.02 | 30.36 | 88.87   | 30.99 | 93.54   | 31.00 | 94.60 | 17.29 |
|      | 25                       | 53.67                       | 24.57 | 60.22   | 25.98 | 75.42   | 30.48 | 83.02 | 31.23 | 88.87   | 31.87 | 93.54   | 31.89 | 94.60 | 17.78 |
|      | 27                       | 53.67                       | 25.26 | 60.22   | 26.70 | 75.42   | 31.33 | 83.02 | 32.10 | 88.87   | 32.76 | 93.54   | 32.77 | 94.60 | 18.28 |
|      | 29                       | 53.67                       | 25.95 | 60.22   | 27.43 | 75.42   | 32.18 | 83.02 | 32.97 | 88.87   | 33.66 | 93.54   | 33.67 | 94.60 | 18.78 |
|      | 31                       | 53.67                       | 26.64 | 60.22   | 28.16 | 75.42   | 33.05 | 83.02 | 33.85 | 88.30   | 34.33 | 93.54   | 34.57 | 94.60 | 19.28 |
|      | 33                       | 53.67                       | 27.34 | 60.22   | 28.90 | 74.38   | 33.44 | 78.29 | 32.76 | 82.21   | 32.80 | 90.04   | 34.14 | 94.60 | 19.78 |
|      | 35                       | 53.67                       | 28.04 | 60.22   | 29.64 | 69.93   | 32.25 | 72.49 | 31.11 | 76.12   | 31.15 | 83.37   | 32.43 | 90.62 | 19.44 |
|      | 37                       | 53.67                       | 28.63 | 60.11   | 30.22 | 68.65   | 32.33 | 70.61 | 30.95 | 74.14   | 30.98 | 81.20   | 32.25 | 88.26 | 19.33 |
|      | 39                       | 52.62                       | 28.66 | 60.11   | 30.85 | 66.65   | 32.04 | 69.38 | 31.04 | 72.85   | 31.08 | 79.79   | 32.35 | 86.73 | 19.39 |
|      | 41                       | 52.62                       | 29.25 | 60.11   | 31.48 | 65.25   | 32.01 | 68.15 | 31.12 | 71.56   | 31.16 | 78.38   | 32.43 | 85.19 | 19.44 |
|      | 43                       | 52.73                       | 29.91 | 58.35   | 31.18 | 63.58   | 31.82 | 66.92 | 31.18 | 70.27   | 31.22 | 76.96   | 32.49 | 83.66 | 19.48 |
|      | 46                       | 51.92                       | 30.03 | 56.13   | 30.59 | 62.41   | 31.87 | 65.70 | 31.22 | 68.98   | 31.26 | 75.55   | 32.54 | 82.12 | 19.50 |
|      | 48                       | 47.01                       | 28.00 | 51.15   | 28.70 | 57.16   | 30.05 | 60.17 | 29.44 | 63.18   | 29.48 | 69.20   | 30.68 | 75.22 | 18.39 |
|      | 50                       | 42.37                       | 25.72 | 48.02   | 27.47 | 53.67   | 28.76 | 56.49 | 28.17 | 59.31   | 28.21 | 64.96   | 29.36 | 70.61 | 17.60 |
| 120% | 52                       | 39.61                       | 24.51 | 44.89   | 26.17 | 50.17   | 27.40 | 52.81 | 26.84 | 55.45   | 26.87 | 60.73   | 27.97 | 66.01 | 16.77 |
|      | 55                       | 36.84                       | 23.23 | 41.76   | 24.80 | 46.67   | 25.97 | 49.13 | 25.44 | 51.58   | 25.47 | 56.49   | 26.51 | 61.41 | 15.89 |
|      | -15                      | 50.40                       | 11.51 | 56.71   | 12.20 | 70.74   | 14.26 | 78.22 | 14.67 | 84.77   | 15.16 | 90.98   | 15.47 | 92.74 | 8.69  |
|      | -10                      | 50.40                       | 12.99 | 56.71   | 13.77 | 70.74   | 16.09 | 78.22 | 16.56 | 84.77   | 17.11 | 90.98   | 17.45 | 92.74 | 9.81  |
|      | -5                       | 50.40                       | 14.49 | 56.71   | 15.36 | 70.74   | 17.95 | 78.22 | 18.47 | 84.77   | 19.09 | 90.98   | 19.47 | 92.74 | 10.94 |
|      | -2                       | 50.40                       | 15.40 | 56.71   | 16.33 | 70.74   | 19.08 | 78.22 | 19.63 | 84.77   | 20.29 | 90.98   | 20.70 | 92.74 | 11.63 |
|      | 0                        | 50.40                       | 16.01 | 56.71   | 16.98 | 70.74   | 19.84 | 78.22 | 20.42 | 84.77   | 21.10 | 90.98   | 21.52 | 92.74 | 12.10 |
|      | 2                        | 50.40                       | 16.63 | 56.71   | 17.63 | 70.74   | 20.60 | 78.22 | 21.20 | 84.77   | 21.91 | 90.98   | 22.35 | 92.74 | 12.56 |
|      | 4                        | 50.40                       | 17.25 | 56.71   | 18.29 | 70.74   | 21.37 | 78.22 | 21.99 | 84.77   | 22.73 | 90.98   | 23.18 | 92.74 | 13.03 |
|      | 6                        | 50.40                       | 17.88 | 56.71   | 18.95 | 70.74   | 22.15 | 78.22 | 22.79 | 84.77   | 23.55 | 90.98   | 24.02 | 92.74 | 13.50 |
|      | 8                        | 50.40                       | 18.50 | 56.71   | 19.62 | 70.74   | 22.93 | 78.22 | 23.59 | 84.77   | 24.38 | 90.98   | 24.87 | 92.74 | 13.98 |
|      | 10                       | 50.40                       | 19.14 | 56.71   | 20.29 | 70.74   | 23.71 | 78.22 | 24.40 | 84.77   | 25.22 | 90.98   | 25.72 | 92.74 | 14.46 |
|      | 12                       | 50.40                       | 19.78 | 56.71   | 20.97 | 70.74   | 24.50 | 78.22 | 25.21 | 84.77   | 26.06 | 90.98   | 26.58 | 92.74 | 14.94 |
|      | 14                       | 50.40                       | 20.42 | 56.71   | 21.65 | 70.74   | 25.30 | 78.22 | 26.03 | 84.77   | 26.90 | 90.98   | 27.44 | 92.74 | 15.43 |
|      | 16                       | 50.40                       | 21.06 | 56.71   | 22.33 | 70.74   | 26.10 | 78.22 | 26.86 | 84.77   | 27.75 | 90.98   | 28.31 | 92.74 | 15.91 |
|      | 18                       | 50.40                       | 21.71 | 56.71   | 23.02 | 70.74   | 26.90 | 78.22 | 27.68 | 84.77   | 28.61 | 90.98   | 29.18 | 92.74 | 16.40 |
|      | 20                       | 50.40                       | 22.37 | 56.71   | 23.71 | 70.74   | 27.71 | 78.22 | 28.52 | 84.77   | 29.47 | 90.98   | 30.06 | 92.74 | 16.90 |
|      | 21                       | 50.40                       | 22.70 | 56.71   | 24.06 | 70.74   | 28.12 | 78.22 | 28.94 | 84.77   | 29.90 | 90.98   | 30.50 | 92.74 | 17.15 |
|      | 23                       | 50.40                       | 23.36 | 56.71   | 24.76 | 70.74   | 28.94 | 78.22 | 29.78 | 84.77   | 30.78 | 90.98   | 31.39 | 92.74 | 17.65 |
|      | 25                       | 50.40                       | 24.02 | 56.71   | 25.47 | 70.74   | 29.76 | 78.22 | 30.63 | 84.77   | 31.65 | 90.98   | 32.29 | 92.74 | 18.15 |
|      | 27                       | 50.40                       | 24.69 | 56.71   | 26.18 | 70.74   | 30.59 | 78.22 | 31.48 | 84.77   | 32.53 | 90.98   | 33.18 | 92.74 | 18.65 |
|      | 29                       | 50.40                       | 25.37 | 56.71   | 26.89 | 70.74   | 31.43 | 78.22 | 32.34 | 84.77   | 33.42 | 90.98   | 34.09 | 92.74 | 19.16 |
|      | 31                       | 50.40                       | 26.04 | 56.71   | 27.61 | 70.74   | 32.27 | 78.22 | 33.21 | 84.77   | 34.31 | 90.98   | 35.00 | 92.74 | 19.68 |
|      | 33                       | 50.40                       | 26.73 | 56.71   | 28.33 | 70.74   | 33.11 | 76.20 | 33.19 | 80.00   | 33.23 | 87.62   | 34.59 | 92.74 | 20.19 |
|      | 35                       | 50.40                       | 27.41 | 56.71   | 29.06 | 68.65   | 32.96 | 70.55 | 31.52 | 74.08   | 31.56 | 81.13   | 32.85 | 88.19 | 19.69 |
|      | 37                       | 50.40                       | 27.99 | 56.71   | 29.68 | 66.31   | 32.51 | 68.38 | 31.20 | 71.80   | 31.24 | 78.64   | 32.52 | 85.48 | 19.49 |
|      | 39                       | 50.40                       | 28.58 | 56.71   | 30.30 | 65.60   | 32.83 | 67.19 | 31.30 | 70.55   | 31.33 | 77.27   | 32.62 | 83.99 | 19.55 |
|      | 41                       | 49.50                       | 28.64 | 56.48   | 30.79 | 63.97   | 32.67 | 66.00 | 31.37 | 69.30   | 31.41 | 75.90   | 32.70 | 82.50 | 19.60 |
|      | 43                       | 49.46                       | 29.20 | 56.48   | 31.41 | 61.87   | 32.24 | 64.81 | 31.43 | 68.05   | 31.47 | 74.53   | 32.76 | 81.01 | 19.64 |
|      | 46                       | 49.58                       | 29.86 | 54.14   | 30.72 | 60.44   | 32.13 | 63.62 | 31.47 | 66.80   | 31.51 | 73.17   | 32.80 | 79.53 | 19.66 |
|      | 48                       | 46.18                       | 28.64 | 49.53   | 28.94 | 55.36   | 30.30 | 58.27 | 29.68 | 61.19   | 29.72 | 67.01   | 30.93 | 72.84 | 18.54 |
|      | 50                       | 41.03                       | 25.93 | 46.50   | 27.69 | 51.97   | 28.99 | 54.71 | 28.40 | 57.44   | 28.44 | 62.91   | 29.60 | 68.38 | 17.75 |
|      | 52                       | 38.36                       | 24.71 | 43.47   | 26.38 | 48.58   | 27.62 | 51.14 | 27.06 | 53.70   | 27.09 | 58.81   | 28.20 | 63.93 | 16.91 |
|      | 55                       | 35.68                       | 23.42 | 40.44   | 25.00 | 45.20   | 26.18 | 47.57 | 25.65 | 49.95   | 25.68 | 54.71   | 26.73 | 59.47 | 16.02 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

## V8 PRO VRF 50Hz



Table2-8.9:24HP cooling capacity(continued)

| CR   | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |       |         |       |         |       |       |       |         |       |         |       |       |       |
|------|--------------------------|-----------------------------|-------|---------|-------|---------|-------|-------|-------|---------|-------|---------|-------|-------|-------|
|      |                          | 20.8/14                     |       | 23.3/16 |       | 25.8/18 |       | 27/19 |       | 28.2/20 |       | 30.7/22 |       | 32/24 |       |
|      |                          | TC                          | PI    | TC      | PI    | TC      | PI    | TC    | PI    | TC      | PI    | TC      | PI    | TC    | PI    |
| 110% | -15                      | 47.01                       | 11.20 | 53.67   | 12.05 | 65.96   | 13.87 | 72.96 | 14.28 | 79.05   | 14.76 | 89.11   | 15.81 | 90.15 | 8.82  |
|      | -10                      | 47.01                       | 12.64 | 53.67   | 13.60 | 65.96   | 15.65 | 72.96 | 16.12 | 79.05   | 16.65 | 89.11   | 17.84 | 90.15 | 9.95  |
|      | -5                       | 47.01                       | 14.10 | 53.67   | 15.17 | 65.96   | 17.46 | 72.96 | 17.98 | 79.05   | 18.57 | 89.11   | 19.90 | 90.15 | 11.10 |
|      | -2                       | 47.01                       | 14.99 | 53.67   | 16.12 | 65.96   | 18.56 | 72.96 | 19.11 | 79.05   | 19.74 | 89.11   | 21.15 | 90.15 | 11.80 |
|      | 0                        | 47.01                       | 15.59 | 53.67   | 16.76 | 65.96   | 19.30 | 72.96 | 19.87 | 79.05   | 20.53 | 89.11   | 22.00 | 90.15 | 12.27 |
|      | 2                        | 47.01                       | 16.19 | 53.67   | 17.41 | 65.96   | 20.05 | 72.96 | 20.64 | 79.05   | 21.32 | 89.11   | 22.84 | 90.15 | 12.75 |
|      | 4                        | 47.01                       | 16.79 | 53.67   | 18.06 | 65.96   | 20.79 | 72.96 | 21.41 | 79.05   | 22.12 | 89.11   | 23.70 | 90.15 | 13.22 |
|      | 6                        | 47.01                       | 17.40 | 53.67   | 18.72 | 65.96   | 21.55 | 72.96 | 22.18 | 79.05   | 22.92 | 89.11   | 24.56 | 90.15 | 13.70 |
|      | 8                        | 47.01                       | 18.01 | 53.67   | 19.37 | 65.96   | 22.31 | 72.96 | 22.97 | 79.05   | 23.73 | 89.11   | 25.42 | 90.15 | 14.18 |
|      | 10                       | 47.01                       | 18.63 | 53.67   | 20.04 | 65.96   | 23.07 | 72.96 | 23.75 | 79.05   | 24.54 | 89.11   | 26.29 | 90.15 | 14.67 |
|      | 12                       | 47.01                       | 19.25 | 53.67   | 20.71 | 65.96   | 23.84 | 72.96 | 24.54 | 79.05   | 25.36 | 89.11   | 27.17 | 90.15 | 15.16 |
|      | 14                       | 47.01                       | 19.87 | 53.67   | 21.38 | 65.96   | 24.61 | 72.96 | 25.34 | 79.05   | 26.18 | 89.11   | 28.05 | 90.15 | 15.65 |
|      | 16                       | 47.01                       | 20.50 | 53.67   | 22.05 | 65.96   | 25.39 | 72.96 | 26.14 | 79.05   | 27.01 | 89.11   | 28.93 | 90.15 | 16.14 |
|      | 18                       | 47.01                       | 21.14 | 53.67   | 22.73 | 65.96   | 26.17 | 72.96 | 26.95 | 79.05   | 27.84 | 89.11   | 29.83 | 90.15 | 16.64 |
|      | 20                       | 47.01                       | 21.77 | 53.67   | 23.42 | 65.96   | 26.96 | 72.96 | 27.76 | 79.05   | 28.68 | 89.11   | 30.73 | 90.15 | 17.14 |
|      | 21                       | 47.01                       | 22.09 | 53.67   | 23.76 | 65.96   | 27.36 | 72.96 | 28.17 | 79.05   | 29.10 | 89.11   | 31.18 | 90.15 | 17.40 |
|      | 23                       | 47.01                       | 22.74 | 53.67   | 24.46 | 65.96   | 28.16 | 72.96 | 28.99 | 79.05   | 29.95 | 89.11   | 32.09 | 90.15 | 17.90 |
|      | 25                       | 47.01                       | 23.38 | 53.67   | 25.15 | 65.96   | 28.96 | 72.96 | 29.81 | 79.05   | 30.80 | 89.11   | 33.00 | 90.15 | 18.41 |
|      | 27                       | 47.01                       | 24.03 | 53.67   | 25.85 | 65.96   | 29.76 | 72.96 | 30.64 | 79.05   | 31.66 | 89.11   | 33.92 | 90.15 | 18.93 |
|      | 29                       | 47.01                       | 24.69 | 53.67   | 26.56 | 65.96   | 30.58 | 72.96 | 31.48 | 79.05   | 32.52 | 89.11   | 34.84 | 90.15 | 19.44 |
|      | 31                       | 47.01                       | 25.35 | 53.67   | 27.27 | 65.96   | 31.39 | 72.96 | 32.32 | 79.05   | 33.39 | 89.11   | 35.78 | 90.15 | 19.96 |
|      | 33                       | 47.01                       | 26.01 | 53.67   | 27.98 | 65.96   | 32.22 | 72.72 | 33.06 | 76.36   | 33.10 | 83.63   | 34.46 | 90.15 | 20.48 |
|      | 35                       | 47.01                       | 26.68 | 53.67   | 28.70 | 65.83   | 32.98 | 68.75 | 32.06 | 70.70   | 31.44 | 77.44   | 32.72 | 84.17 | 19.62 |
|      | 37                       | 47.01                       | 27.25 | 53.67   | 29.31 | 65.83   | 33.68 | 67.21 | 32.24 | 69.23   | 31.43 | 75.23   | 32.47 | 81.78 | 19.46 |
|      | 39                       | 47.01                       | 27.82 | 53.67   | 29.92 | 64.43   | 33.65 | 66.42 | 32.28 | 67.50   | 31.28 | 73.93   | 32.57 | 80.35 | 19.52 |
|      | 41                       | 47.01                       | 28.39 | 53.67   | 30.53 | 62.67   | 33.41 | 64.43 | 31.96 | 66.30   | 31.36 | 72.62   | 32.65 | 78.93 | 19.57 |
|      | 43                       | 47.01                       | 28.96 | 53.67   | 31.15 | 60.69   | 33.01 | 62.20 | 31.48 | 65.11   | 31.42 | 71.31   | 32.71 | 77.51 | 19.61 |
|      | 46                       | 46.07                       | 28.95 | 52.04   | 30.81 | 57.82   | 32.07 | 60.87 | 31.42 | 63.91   | 31.46 | 70.00   | 32.75 | 76.08 | 19.63 |
|      | 48                       | 42.91                       | 27.77 | 47.39   | 28.89 | 52.96   | 30.25 | 55.75 | 29.63 | 58.54   | 29.67 | 64.11   | 30.89 | 69.69 | 18.51 |
|      | 50                       | 39.76                       | 26.22 | 44.49   | 27.65 | 49.72   | 28.95 | 52.34 | 28.36 | 54.96   | 28.39 | 60.19   | 29.56 | 65.42 | 17.72 |
|      | 52                       | 36.70                       | 24.67 | 41.59   | 26.34 | 46.48   | 27.58 | 48.93 | 27.02 | 51.37   | 27.05 | 56.27   | 28.16 | 61.16 | 16.88 |
|      | 55                       | 34.14                       | 23.38 | 38.69   | 24.96 | 43.24   | 26.14 | 45.51 | 25.61 | 47.79   | 25.64 | 52.34   | 26.69 | 56.89 | 16.00 |
| 100% | -15                      | 43.38                       | 10.82 | 49.70   | 11.67 | 61.51   | 13.54 | 67.35 | 13.79 | 73.43   | 14.34 | 85.25   | 15.82 | 88.52 | 9.06  |
|      | -10                      | 43.38                       | 12.20 | 49.70   | 13.17 | 61.51   | 15.27 | 67.35 | 15.56 | 73.43   | 16.18 | 85.25   | 17.85 | 88.52 | 10.22 |
|      | -5                       | 43.38                       | 13.61 | 49.70   | 14.69 | 61.51   | 17.04 | 67.35 | 17.36 | 73.43   | 18.05 | 85.25   | 19.92 | 88.52 | 11.40 |
|      | -2                       | 43.38                       | 14.47 | 49.70   | 15.62 | 61.51   | 18.11 | 67.35 | 18.46 | 73.43   | 19.19 | 85.25   | 21.17 | 88.52 | 12.12 |
|      | 0                        | 43.38                       | 15.05 | 49.70   | 16.24 | 61.51   | 18.83 | 67.35 | 19.19 | 73.43   | 19.95 | 85.25   | 22.01 | 88.52 | 12.61 |
|      | 2                        | 43.38                       | 15.63 | 49.70   | 16.87 | 61.51   | 19.56 | 67.35 | 19.93 | 73.43   | 20.72 | 85.25   | 22.86 | 88.52 | 13.09 |
|      | 4                        | 43.38                       | 16.21 | 49.70   | 17.50 | 61.51   | 20.29 | 67.35 | 20.68 | 73.43   | 21.49 | 85.25   | 23.72 | 88.52 | 13.58 |
|      | 6                        | 43.38                       | 16.80 | 49.70   | 18.13 | 61.51   | 21.02 | 67.35 | 21.42 | 73.43   | 22.27 | 85.25   | 24.58 | 88.52 | 14.07 |
|      | 8                        | 43.38                       | 17.39 | 49.70   | 18.77 | 61.51   | 21.76 | 67.35 | 22.18 | 73.43   | 23.06 | 85.25   | 25.44 | 88.52 | 14.57 |
|      | 10                       | 43.38                       | 17.99 | 49.70   | 19.41 | 61.51   | 22.51 | 67.35 | 22.94 | 73.43   | 23.85 | 85.25   | 26.31 | 88.52 | 15.07 |
|      | 12                       | 43.38                       | 18.58 | 49.70   | 20.06 | 61.51   | 23.26 | 67.35 | 23.70 | 73.43   | 24.64 | 85.25   | 27.19 | 88.52 | 15.57 |
|      | 14                       | 43.38                       | 19.19 | 49.70   | 20.71 | 61.51   | 24.01 | 67.35 | 24.47 | 73.43   | 25.44 | 85.25   | 28.07 | 88.52 | 16.07 |
|      | 16                       | 43.38                       | 19.79 | 49.70   | 21.36 | 61.51   | 24.77 | 67.35 | 25.25 | 73.43   | 26.25 | 85.25   | 28.96 | 88.52 | 16.58 |
|      | 18                       | 43.38                       | 20.41 | 49.70   | 22.02 | 61.51   | 25.54 | 67.35 | 26.02 | 73.43   | 27.06 | 85.25   | 29.85 | 88.52 | 17.09 |
|      | 20                       | 43.38                       | 21.02 | 49.70   | 22.69 | 61.51   | 26.31 | 67.35 | 26.81 | 73.43   | 27.87 | 85.25   | 30.75 | 88.52 | 17.61 |
|      | 21                       | 43.38                       | 21.33 | 49.70   | 23.02 | 61.51   | 26.69 | 67.35 | 27.20 | 73.43   | 28.28 | 85.25   | 31.20 | 88.52 | 17.87 |
|      | 23                       | 43.38                       | 21.95 | 49.70   | 23.69 | 61.51   | 27.47 | 67.35 | 28.00 | 73.43   | 29.10 | 85.25   | 32.11 | 88.52 | 18.39 |
|      | 25                       | 43.38                       | 22.58 | 49.70   | 24.37 | 61.51   | 28.25 | 67.35 | 28.79 | 73.43   | 29.93 | 85.25   | 33.03 | 88.52 | 18.91 |
|      | 27                       | 43.38                       | 23.20 | 49.70   | 25.04 | 61.51   | 29.04 | 67.35 | 29.59 | 73.43   | 30.77 | 85.25   | 33.95 | 88.52 | 19.44 |
|      | 29                       | 43.38                       | 23.84 | 49.70   | 25.73 | 61.51   | 29.83 | 67.35 | 30.40 | 73.43   | 31.61 | 85.25   | 34.87 | 88.52 | 19.97 |
|      | 31                       | 43.38                       | 24.47 | 49.70   | 26.42 | 61.51   | 30.63 | 67.35 | 31.21 | 73.43   | 32.45 | 85.25   | 35.80 | 88.52 | 20.50 |
|      | 33                       | 43.38                       | 25.12 | 49.70   | 27.11 | 61.51   | 31.43 | 67.35 | 32.03 | 73.43   | 33.30 | 83.21   | 35.87 | 88.52 | 21.04 |
|      | 35                       | 43.38                       | 25.76 | 49.70   | 27.80 | 61.51   | 32.24 | 67.00 | 32.68 | 70.35   | 32.72 | 77.05   | 34.06 | 83.75 | 20.42 |
|      | 37                       | 43.38                       | 26.31 | 49.70   | 28.39 | 61.51   | 32.92 | 65.85 | 32.80 | 69.15   | 32.84 | 75.73   | 34.19 | 82.32 | 20.49 |
|      | 39                       | 43.38                       | 26.85 | 49.70   | 28.98 | 61.51   | 33.61 | 64.71 | 32.90 | 67.94   | 32.94 | 74.41   | 34.29 | 80.89 | 20.56 |
|      | 41                       | 43.38                       | 27.41 | 49.70   | 29.58 | 60.80   | 33.90 | 63.56 | 32.99 | 66.74   | 33.03 | 73.10   | 34.38 | 79.45 | 20.61 |
|      | 43                       | 43.38                       | 27.96 | 49.70   | 30.18 | 59.30   | 33.73 | 62.42 | 33.05 | 65.54   | 33.09 | 71.78   | 34.44 | 78.02 | 20.65 |
|      | 46                       | 43.38                       | 28.52 | 49.70   | 30.78 | 58.21   | 33.78 | 61.27 | 33.09 | 64.33   | 33.13 | 70.46   | 34.49 | 76.59 | 20.67 |
|      | 48                       | 42.09                       | 28.49 | 47.70   | 30.42 | 53.31   | 31.85 | 56.12 | 31.21 | 58.93   | 31.24 | 64.54   | 32.52 | 70.15 | 19.50 |
|      | 50                       | 39.51                       | 27.27 | 44.78   | 29.11 | 50.05   | 30.48 | 52.68 | 29.86 | 55.32   | 29.90 | 60.59   | 31.12 | 65.86 | 18.66 |
|      | 52                       | 36.94                       | 25.98 | 41.86   | 27.74 | 46.79   | 29.04 | 49.25 | 28.45 | 51.71   | 28.49 | 56.64   | 29.65 | 61.56 | 17.78 |
|      | 55                       | 34.36                       | 24.62 | 38.94   | 26.29 | 43.53   | 27.53 | 45.82 | 26.97 | 48.11   | 27.00 | 52.69   | 28.10 | 57.27 | 16.85 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.9:24HP cooling capacity(continued)

| CR  | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |       |         |       |         |       |       |       |         |       |         |       |       |       |
|-----|--------------------------|-----------------------------|-------|---------|-------|---------|-------|-------|-------|---------|-------|---------|-------|-------|-------|
|     |                          | 20.8/14                     |       | 23.3/16 |       | 25.8/18 |       | 27/19 |       | 28.2/20 |       | 30.7/22 |       | 32/24 |       |
|     |                          | TC                          | PI    | TC      | PI    | TC      | PI    | TC    | PI    | TC      | PI    | TC      | PI    | TC    | PI    |
| 90% | -15                      | 39.05                       | 9.41  | 44.67   | 10.14 | 54.96   | 11.69 | 60.34 | 11.94 | 65.83   | 12.42 | 76.82   | 13.78 | 84.67 | 8.38  |
|     | -10                      | 39.05                       | 10.62 | 44.67   | 11.44 | 54.96   | 13.19 | 60.34 | 13.48 | 65.83   | 14.02 | 76.82   | 15.55 | 84.67 | 9.45  |
|     | -5                       | 39.05                       | 11.84 | 44.67   | 12.77 | 54.96   | 14.71 | 60.34 | 15.03 | 65.83   | 15.64 | 76.82   | 17.35 | 84.67 | 10.54 |
|     | -2                       | 39.05                       | 12.59 | 44.67   | 13.57 | 54.96   | 15.64 | 60.34 | 15.98 | 65.83   | 16.62 | 76.82   | 18.44 | 84.67 | 11.21 |
|     | 0                        | 39.05                       | 13.09 | 44.67   | 14.11 | 54.96   | 16.26 | 60.34 | 16.62 | 65.83   | 17.29 | 76.82   | 19.17 | 84.67 | 11.65 |
|     | 2                        | 39.05                       | 13.60 | 44.67   | 14.65 | 54.96   | 16.89 | 60.34 | 17.26 | 65.83   | 17.95 | 76.82   | 19.91 | 84.67 | 12.10 |
|     | 4                        | 39.05                       | 14.10 | 44.67   | 15.20 | 54.96   | 17.52 | 60.34 | 17.90 | 65.83   | 18.62 | 76.82   | 20.66 | 84.67 | 12.56 |
|     | 6                        | 39.05                       | 14.61 | 44.67   | 15.75 | 54.96   | 18.16 | 60.34 | 18.55 | 65.83   | 19.30 | 76.82   | 21.41 | 84.67 | 13.01 |
|     | 8                        | 39.05                       | 15.13 | 44.67   | 16.31 | 54.96   | 18.79 | 60.34 | 19.20 | 65.83   | 19.98 | 76.82   | 22.16 | 84.67 | 13.47 |
|     | 10                       | 39.05                       | 15.65 | 44.67   | 16.86 | 54.96   | 19.44 | 60.34 | 19.86 | 65.83   | 20.66 | 76.82   | 22.92 | 84.67 | 13.93 |
|     | 12                       | 39.05                       | 16.17 | 44.67   | 17.43 | 54.96   | 20.09 | 60.34 | 20.52 | 65.83   | 21.35 | 76.82   | 23.68 | 84.67 | 14.39 |
|     | 14                       | 39.05                       | 16.69 | 44.67   | 17.99 | 54.96   | 20.74 | 60.34 | 21.19 | 65.83   | 22.04 | 76.82   | 24.45 | 84.67 | 14.86 |
|     | 16                       | 39.05                       | 17.22 | 44.67   | 18.56 | 54.96   | 21.39 | 60.34 | 21.86 | 65.83   | 22.74 | 76.82   | 25.22 | 84.67 | 15.33 |
|     | 18                       | 39.05                       | 17.75 | 44.67   | 19.13 | 54.96   | 22.05 | 60.34 | 22.53 | 65.83   | 23.44 | 76.82   | 26.00 | 84.67 | 15.80 |
|     | 20                       | 39.05                       | 18.29 | 44.67   | 19.71 | 54.96   | 22.72 | 60.34 | 23.21 | 65.83   | 24.15 | 76.82   | 26.78 | 84.67 | 16.28 |
|     | 21                       | 39.05                       | 18.56 | 44.67   | 20.00 | 54.96   | 23.05 | 60.34 | 23.55 | 65.83   | 24.50 | 76.82   | 27.18 | 84.67 | 16.52 |
|     | 23                       | 39.05                       | 19.10 | 44.67   | 20.58 | 54.96   | 23.72 | 60.34 | 24.24 | 65.83   | 25.22 | 76.82   | 27.97 | 84.67 | 17.00 |
|     | 25                       | 39.05                       | 19.64 | 44.67   | 21.17 | 54.96   | 24.40 | 60.34 | 24.93 | 65.83   | 25.93 | 76.82   | 28.77 | 84.67 | 17.48 |
|     | 27                       | 39.05                       | 20.19 | 44.67   | 21.76 | 54.96   | 25.08 | 60.34 | 25.62 | 65.83   | 26.66 | 76.82   | 29.57 | 84.67 | 17.97 |
|     | 29                       | 39.05                       | 20.74 | 44.67   | 22.35 | 54.96   | 25.76 | 60.34 | 26.32 | 65.83   | 27.38 | 76.82   | 30.37 | 84.67 | 18.46 |
|     | 31                       | 39.05                       | 21.29 | 44.67   | 22.95 | 54.96   | 26.45 | 60.34 | 27.03 | 65.83   | 28.12 | 76.82   | 31.19 | 84.67 | 18.95 |
|     | 33                       | 39.05                       | 21.85 | 44.67   | 23.55 | 54.96   | 27.14 | 60.34 | 27.74 | 65.83   | 28.85 | 76.82   | 32.00 | 84.67 | 19.45 |
|     | 35                       | 39.05                       | 22.41 | 44.67   | 24.16 | 54.96   | 27.84 | 60.34 | 28.45 | 65.83   | 29.59 | 76.82   | 32.83 | 83.75 | 19.74 |
|     | 37                       | 39.05                       | 22.89 | 44.67   | 24.67 | 54.96   | 28.43 | 60.34 | 29.05 | 65.83   | 30.22 | 72.43   | 31.60 | 78.72 | 18.94 |
|     | 39                       | 39.05                       | 23.36 | 44.67   | 25.18 | 54.96   | 29.02 | 60.34 | 29.66 | 63.85   | 29.92 | 67.81   | 30.20 | 73.71 | 18.11 |
|     | 41                       | 39.05                       | 23.84 | 44.67   | 25.70 | 54.96   | 29.62 | 60.22 | 30.21 | 62.79   | 30.03 | 66.61   | 30.28 | 72.40 | 18.15 |
|     | 43                       | 39.05                       | 24.33 | 44.67   | 26.22 | 54.73   | 30.10 | 58.59 | 29.98 | 60.92   | 29.73 | 65.41   | 30.34 | 71.10 | 18.19 |
|     | 46                       | 39.05                       | 24.81 | 44.67   | 26.74 | 53.04   | 29.75 | 56.48 | 29.48 | 58.62   | 29.18 | 64.21   | 30.37 | 69.79 | 18.21 |
|     | 48                       | 38.36                       | 25.10 | 43.47   | 26.79 | 48.58   | 28.06 | 51.14 | 27.49 | 53.70   | 27.52 | 58.81   | 28.65 | 63.92 | 17.17 |
|     | 50                       | 36.01                       | 24.01 | 40.81   | 25.64 | 45.61   | 26.85 | 48.01 | 26.30 | 50.41   | 26.33 | 55.21   | 27.41 | 60.01 | 16.43 |
|     | 52                       | 33.66                       | 22.88 | 38.15   | 24.43 | 42.64   | 25.58 | 44.88 | 25.06 | 47.12   | 25.09 | 51.61   | 26.12 | 56.10 | 15.66 |
|     | 55                       | 31.31                       | 21.68 | 35.49   | 23.15 | 39.66   | 24.24 | 41.75 | 23.75 | 43.84   | 23.78 | 48.01   | 24.75 | 52.19 | 14.84 |
| 80% | -15                      | 34.73                       | 8.05  | 39.76   | 8.68  | 49.70   | 10.17 | 53.67 | 10.22 | 58.69   | 10.65 | 68.29   | 11.78 | 78.11 | 7.43  |
|     | -10                      | 34.73                       | 9.08  | 39.76   | 9.79  | 49.70   | 11.47 | 53.67 | 11.53 | 58.69   | 12.02 | 68.29   | 13.29 | 78.11 | 8.39  |
|     | -5                       | 34.73                       | 10.13 | 39.76   | 10.93 | 49.70   | 12.80 | 53.67 | 12.86 | 58.69   | 13.41 | 68.29   | 14.83 | 78.11 | 9.36  |
|     | -2                       | 34.73                       | 10.77 | 39.76   | 11.61 | 49.70   | 13.60 | 53.67 | 13.67 | 58.69   | 14.26 | 68.29   | 15.76 | 78.11 | 9.94  |
|     | 0                        | 34.73                       | 11.20 | 39.76   | 12.08 | 49.70   | 14.14 | 53.67 | 14.21 | 58.69   | 14.82 | 68.29   | 16.39 | 78.11 | 10.34 |
|     | 2                        | 34.73                       | 11.63 | 39.76   | 12.54 | 49.70   | 14.69 | 53.67 | 14.76 | 58.69   | 15.39 | 68.29   | 17.02 | 78.11 | 10.74 |
|     | 4                        | 34.73                       | 12.06 | 39.76   | 13.01 | 49.70   | 15.24 | 53.67 | 15.31 | 58.69   | 15.97 | 68.29   | 17.66 | 78.11 | 11.14 |
|     | 6                        | 34.73                       | 12.50 | 39.76   | 13.48 | 49.70   | 15.79 | 53.67 | 15.87 | 58.69   | 16.55 | 68.29   | 18.30 | 78.11 | 11.54 |
|     | 8                        | 34.73                       | 12.94 | 39.76   | 13.96 | 49.70   | 16.34 | 53.67 | 16.43 | 58.69   | 17.13 | 68.29   | 18.94 | 78.11 | 11.95 |
|     | 10                       | 34.73                       | 13.38 | 39.76   | 14.43 | 49.70   | 16.90 | 53.67 | 16.99 | 58.69   | 17.72 | 68.29   | 19.59 | 78.11 | 12.36 |
|     | 12                       | 34.73                       | 13.83 | 39.76   | 14.92 | 49.70   | 17.47 | 53.67 | 17.56 | 58.69   | 18.31 | 68.29   | 20.25 | 78.11 | 12.77 |
|     | 14                       | 34.73                       | 14.28 | 39.76   | 15.40 | 49.70   | 18.03 | 53.67 | 18.13 | 58.69   | 18.90 | 68.29   | 20.90 | 78.11 | 13.19 |
|     | 16                       | 34.73                       | 14.73 | 39.76   | 15.89 | 49.70   | 18.60 | 53.67 | 18.70 | 58.69   | 19.50 | 68.29   | 21.56 | 78.11 | 13.60 |
|     | 18                       | 34.73                       | 15.19 | 39.76   | 16.38 | 49.70   | 19.18 | 53.67 | 19.28 | 58.69   | 20.10 | 68.29   | 22.23 | 78.11 | 14.02 |
|     | 20                       | 34.73                       | 15.64 | 39.76   | 16.87 | 49.70   | 19.76 | 53.67 | 19.86 | 58.69   | 20.71 | 68.29   | 22.90 | 78.11 | 14.45 |
|     | 21                       | 34.73                       | 15.87 | 39.76   | 17.12 | 49.70   | 20.05 | 53.67 | 20.15 | 58.69   | 21.01 | 68.29   | 23.24 | 78.11 | 14.66 |
|     | 23                       | 34.73                       | 16.34 | 39.76   | 17.62 | 49.70   | 20.63 | 53.67 | 20.74 | 58.69   | 21.62 | 68.29   | 23.91 | 78.11 | 15.08 |
|     | 25                       | 34.73                       | 16.80 | 39.76   | 18.12 | 49.70   | 21.22 | 53.67 | 21.33 | 58.69   | 22.24 | 68.29   | 24.59 | 78.11 | 15.51 |
|     | 27                       | 34.73                       | 17.27 | 39.76   | 18.62 | 49.70   | 21.81 | 53.67 | 21.92 | 58.69   | 22.86 | 68.29   | 25.28 | 78.11 | 15.95 |
|     | 29                       | 34.73                       | 17.74 | 39.76   | 19.13 | 49.70   | 22.40 | 53.67 | 22.52 | 58.69   | 23.48 | 68.29   | 25.97 | 78.11 | 16.38 |
|     | 31                       | 34.73                       | 18.21 | 39.76   | 19.64 | 49.70   | 23.00 | 53.67 | 23.12 | 58.69   | 24.11 | 68.29   | 26.66 | 78.11 | 16.82 |
|     | 33                       | 34.73                       | 18.69 | 39.76   | 20.16 | 49.70   | 23.61 | 53.67 | 23.73 | 58.69   | 24.74 | 68.29   | 27.36 | 78.11 | 17.26 |
|     | 35                       | 34.73                       | 19.17 | 39.76   | 20.68 | 49.70   | 24.21 | 53.67 | 24.34 | 58.69   | 25.38 | 68.29   | 28.06 | 78.11 | 17.70 |
|     | 37                       | 34.73                       | 19.58 | 39.76   | 21.11 | 49.70   | 24.73 | 53.67 | 24.85 | 58.69   | 25.91 | 68.29   | 28.66 | 78.11 | 18.08 |
|     | 39                       | 34.73                       | 19.99 | 39.76   | 21.55 | 49.70   | 25.24 | 53.67 | 25.37 | 58.69   | 26.45 | 67.80   | 29.05 | 73.70 | 17.41 |
|     | 41                       | 34.73                       | 20.40 | 39.76   | 22.00 | 49.70   | 25.76 | 53.67 | 25.89 | 58.47   | 26.89 | 63.18   | 27.62 | 68.67 | 16.56 |
|     | 43                       | 34.73                       | 20.81 | 39.76   | 22.44 | 48.64   | 25.72 | 53.56 | 26.36 | 58.47   | 27.44 | 61.51   | 27.44 | 63.98 | 15.74 |
|     | 46                       | 34.73                       | 21.23 | 39.76   | 22.89 | 48.64   | 26.24 | 52.27 | 26.24 | 56.48   | 27.04 | 58.35   | 26.55 | 62.80 | 15.76 |
|     | 48                       | 34.51                       | 21.72 | 39.12   | 23.19 | 45.72   | 25.39 | 47.71 | 24.66 | 48.32   | 23.82 | 52.92   | 24.79 | 57.52 | 14.86 |
|     | 50                       | 33.91                       | 21.75 | 36.72   | 22.19 | 41.04   | 23.24 | 43.20 | 22.76 | 45.36   | 22.79 | 49.68   | 23.72 | 54.00 | 14.22 |
|     | 52                       | 30.99                       | 20.26 | 34.33   | 21.14 | 38.37   | 22.14 | 40.39 | 21.69 | 42.40   | 21.71 | 46.44   | 22.60 | 50.48 | 13.55 |
|     | 55                       | 28.18                       | 18.77 | 31.93   | 20.04 | 35.69   | 20.98 | 37.57 | 20.55 | 39.45   | 20.58 | 43.20   | 21.42 | 46.96 | 12.84 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

## V8 PRO VRF 50Hz



Table2-8.9:24HP cooling capacity(continued)

| CR  | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |       |         |       |         |       |       |       |         |       |         |       |       |       |
|-----|--------------------------|-----------------------------|-------|---------|-------|---------|-------|-------|-------|---------|-------|---------|-------|-------|-------|
|     |                          | 20.8/14                     |       | 23.3/16 |       | 25.8/18 |       | 27/19 |       | 28.2/20 |       | 30.7/22 |       | 32/24 |       |
|     |                          | TC                          | PI    | TC      | PI    | TC      | PI    | TC    | PI    | TC      | PI    | TC      | PI    | TC    | PI    |
| 70% | -15                      | 30.41                       | 6.74  | 34.73   | 7.25  | 43.38   | 8.48  | 47.83 | 8.70  | 52.15   | 9.05  | 59.76   | 9.86  | 68.87 | 6.26  |
|     | -10                      | 30.41                       | 7.60  | 34.73   | 8.18  | 43.38   | 9.57  | 47.83 | 9.82  | 52.15   | 10.21 | 59.76   | 11.12 | 68.87 | 7.07  |
|     | -5                       | 30.41                       | 8.48  | 34.73   | 9.13  | 43.38   | 10.68 | 47.83 | 10.96 | 52.15   | 11.39 | 59.76   | 12.41 | 68.87 | 7.89  |
|     | -2                       | 30.41                       | 9.01  | 34.73   | 9.70  | 43.38   | 11.35 | 47.83 | 11.65 | 52.15   | 12.11 | 59.76   | 13.19 | 68.87 | 8.38  |
|     | 0                        | 30.41                       | 9.37  | 34.73   | 10.09 | 43.38   | 11.80 | 47.83 | 12.11 | 52.15   | 12.59 | 59.76   | 13.71 | 68.87 | 8.72  |
|     | 2                        | 30.41                       | 9.73  | 34.73   | 10.47 | 43.38   | 12.26 | 47.83 | 12.58 | 52.15   | 13.08 | 59.76   | 14.24 | 68.87 | 9.05  |
|     | 4                        | 30.41                       | 10.10 | 34.73   | 10.87 | 43.38   | 12.72 | 47.83 | 13.05 | 52.15   | 13.57 | 59.76   | 14.77 | 68.87 | 9.39  |
|     | 6                        | 30.41                       | 10.46 | 34.73   | 11.26 | 43.38   | 13.18 | 47.83 | 13.52 | 52.15   | 14.06 | 59.76   | 15.31 | 68.87 | 9.73  |
|     | 8                        | 30.41                       | 10.83 | 34.73   | 11.66 | 43.38   | 13.64 | 47.83 | 14.00 | 52.15   | 14.55 | 59.76   | 15.85 | 68.87 | 10.07 |
|     | 10                       | 30.41                       | 11.20 | 34.73   | 12.06 | 43.38   | 14.11 | 47.83 | 14.47 | 52.15   | 15.05 | 59.76   | 16.39 | 68.87 | 10.42 |
|     | 12                       | 30.41                       | 11.58 | 34.73   | 12.46 | 43.38   | 14.58 | 47.83 | 14.96 | 52.15   | 15.55 | 59.76   | 16.94 | 68.87 | 10.77 |
|     | 14                       | 30.41                       | 11.95 | 34.73   | 12.86 | 43.38   | 15.05 | 47.83 | 15.44 | 52.15   | 16.06 | 59.76   | 17.49 | 68.87 | 11.11 |
|     | 16                       | 30.41                       | 12.33 | 34.73   | 13.27 | 43.38   | 15.53 | 47.83 | 15.93 | 52.15   | 16.56 | 59.76   | 18.04 | 68.87 | 11.47 |
|     | 18                       | 30.41                       | 12.71 | 34.73   | 13.68 | 43.38   | 16.01 | 47.83 | 16.42 | 52.15   | 17.08 | 59.76   | 18.60 | 68.87 | 11.82 |
|     | 20                       | 30.41                       | 13.09 | 34.73   | 14.09 | 43.38   | 16.49 | 47.83 | 16.92 | 52.15   | 17.59 | 59.76   | 19.16 | 68.87 | 12.18 |
|     | 21                       | 30.41                       | 13.29 | 34.73   | 14.30 | 43.38   | 16.73 | 47.83 | 17.17 | 52.15   | 17.85 | 59.76   | 19.44 | 68.87 | 12.35 |
|     | 23                       | 30.41                       | 13.67 | 34.73   | 14.71 | 43.38   | 17.22 | 47.83 | 17.67 | 52.15   | 18.37 | 59.76   | 20.00 | 68.87 | 12.71 |
|     | 25                       | 30.41                       | 14.06 | 34.73   | 15.13 | 43.38   | 17.71 | 47.83 | 18.17 | 52.15   | 18.89 | 59.76   | 20.57 | 68.87 | 13.08 |
|     | 27                       | 30.41                       | 14.45 | 34.73   | 15.55 | 43.38   | 18.20 | 47.83 | 18.67 | 52.15   | 19.42 | 59.76   | 21.15 | 68.87 | 13.44 |
|     | 29                       | 30.41                       | 14.85 | 34.73   | 15.98 | 43.38   | 18.70 | 47.83 | 19.18 | 52.15   | 19.95 | 59.76   | 21.72 | 68.87 | 13.81 |
|     | 31                       | 30.41                       | 15.24 | 34.73   | 16.41 | 43.38   | 19.20 | 47.83 | 19.70 | 52.15   | 20.48 | 59.76   | 22.30 | 68.87 | 14.18 |
|     | 33                       | 30.41                       | 15.64 | 34.73   | 16.84 | 43.38   | 19.70 | 47.83 | 20.21 | 52.15   | 21.02 | 59.76   | 22.89 | 68.87 | 14.55 |
|     | 35                       | 30.41                       | 16.05 | 34.73   | 17.27 | 43.38   | 20.21 | 47.83 | 20.73 | 52.15   | 21.56 | 59.76   | 23.48 | 68.87 | 14.92 |
|     | 37                       | 30.41                       | 16.39 | 34.73   | 17.63 | 43.38   | 20.63 | 47.83 | 21.17 | 52.15   | 22.01 | 59.76   | 23.97 | 68.87 | 15.24 |
|     | 39                       | 30.41                       | 16.73 | 34.73   | 18.00 | 43.38   | 21.06 | 47.83 | 21.61 | 52.15   | 22.47 | 59.76   | 24.47 | 68.87 | 15.56 |
|     | 41                       | 30.41                       | 17.07 | 34.73   | 18.37 | 43.38   | 21.50 | 47.83 | 22.06 | 52.15   | 22.93 | 59.76   | 24.98 | 68.67 | 15.83 |
|     | 43                       | 30.41                       | 17.42 | 34.73   | 18.74 | 43.38   | 21.93 | 47.83 | 22.50 | 52.15   | 23.40 | 58.59   | 24.98 | 63.65 | 14.97 |
|     | 46                       | 30.41                       | 17.76 | 34.73   | 19.12 | 43.38   | 22.37 | 47.83 | 22.95 | 51.10   | 23.38 | 56.71   | 24.67 | 58.63 | 14.06 |
|     | 48                       | 30.41                       | 18.29 | 34.73   | 19.68 | 41.63   | 22.10 | 43.96 | 21.73 | 47.83   | 22.54 | 48.41   | 21.68 | 51.09 | 12.62 |
|     | 50                       | 29.93                       | 18.36 | 34.02   | 19.66 | 39.18   | 21.20 | 40.69 | 20.50 | 40.93   | 19.66 | 44.00   | 20.09 | 47.83 | 12.04 |
|     | 52                       | 26.89                       | 16.80 | 31.22   | 18.38 | 33.98   | 18.74 | 35.77 | 18.36 | 37.56   | 18.38 | 41.13   | 19.14 | 44.71 | 11.47 |
|     | 55                       | 24.96                       | 15.89 | 28.28   | 16.97 | 31.61   | 17.77 | 33.27 | 17.40 | 34.94   | 17.43 | 38.27   | 18.14 | 41.59 | 10.87 |
| 60% | -15                      | 26.07                       | 5.48  | 29.82   | 5.91  | 37.19   | 6.90  | 40.93 | 7.07  | 44.67   | 7.36  | 52.15   | 8.16  | 58.93 | 5.09  |
|     | -10                      | 26.07                       | 6.19  | 29.82   | 6.67  | 37.19   | 7.79  | 40.93 | 7.98  | 44.67   | 8.30  | 52.15   | 9.21  | 58.93 | 5.74  |
|     | -5                       | 26.07                       | 6.90  | 29.82   | 7.44  | 37.19   | 8.69  | 40.93 | 8.90  | 44.67   | 9.26  | 52.15   | 10.28 | 58.93 | 6.40  |
|     | -2                       | 26.07                       | 7.34  | 29.82   | 7.91  | 37.19   | 9.23  | 40.93 | 9.46  | 44.67   | 9.85  | 52.15   | 10.92 | 58.93 | 6.81  |
|     | 0                        | 26.07                       | 7.63  | 29.82   | 8.22  | 37.19   | 9.60  | 40.93 | 9.84  | 44.67   | 10.24 | 52.15   | 11.36 | 58.93 | 7.08  |
|     | 2                        | 26.07                       | 7.92  | 29.82   | 8.54  | 37.19   | 9.97  | 40.93 | 10.22 | 44.67   | 10.63 | 52.15   | 11.80 | 58.93 | 7.35  |
|     | 4                        | 26.07                       | 8.22  | 29.82   | 8.86  | 37.19   | 10.35 | 40.93 | 10.60 | 44.67   | 11.03 | 52.15   | 12.24 | 58.93 | 7.63  |
|     | 6                        | 26.07                       | 8.52  | 29.82   | 9.18  | 37.19   | 10.72 | 40.93 | 10.98 | 44.67   | 11.43 | 52.15   | 12.68 | 58.93 | 7.90  |
|     | 8                        | 26.07                       | 8.82  | 29.82   | 9.50  | 37.19   | 11.10 | 40.93 | 11.37 | 44.67   | 11.83 | 52.15   | 13.13 | 58.93 | 8.18  |
|     | 10                       | 26.07                       | 9.12  | 29.82   | 9.83  | 37.19   | 11.48 | 40.93 | 11.76 | 44.67   | 12.24 | 52.15   | 13.58 | 58.93 | 8.46  |
|     | 12                       | 26.07                       | 5.49  | 29.82   | 5.91  | 37.19   | 6.91  | 40.93 | 7.08  | 44.67   | 7.36  | 52.15   | 8.17  | 58.93 | 8.74  |
|     | 14                       | 26.07                       | 5.66  | 29.82   | 6.11  | 37.19   | 7.13  | 40.93 | 7.31  | 44.67   | 7.60  | 52.15   | 8.44  | 58.93 | 9.03  |
|     | 16                       | 26.07                       | 5.84  | 29.82   | 6.30  | 37.19   | 7.36  | 40.93 | 7.54  | 44.67   | 7.84  | 52.15   | 8.70  | 58.93 | 9.31  |
|     | 18                       | 26.07                       | 6.02  | 29.82   | 6.49  | 37.19   | 7.58  | 40.93 | 7.77  | 44.67   | 8.09  | 52.15   | 8.97  | 58.93 | 9.60  |
|     | 20                       | 26.07                       | 6.21  | 29.82   | 6.69  | 37.19   | 7.81  | 40.93 | 8.00  | 44.67   | 8.33  | 52.15   | 9.24  | 58.93 | 9.89  |
|     | 21                       | 26.07                       | 6.30  | 29.82   | 6.79  | 37.19   | 7.93  | 40.93 | 8.12  | 44.67   | 8.45  | 52.15   | 9.38  | 58.93 | 10.03 |
|     | 23                       | 26.07                       | 6.48  | 29.82   | 6.98  | 37.19   | 8.16  | 40.93 | 8.36  | 44.67   | 8.70  | 52.15   | 9.65  | 58.93 | 10.33 |
|     | 25                       | 26.07                       | 6.66  | 29.82   | 7.18  | 37.19   | 8.39  | 40.93 | 8.59  | 44.67   | 8.95  | 52.15   | 9.92  | 58.93 | 10.62 |
|     | 27                       | 26.07                       | 6.85  | 29.82   | 7.38  | 37.19   | 8.62  | 40.93 | 8.83  | 44.67   | 9.19  | 52.15   | 10.20 | 58.93 | 10.92 |
|     | 29                       | 26.07                       | 7.04  | 29.82   | 7.58  | 37.19   | 8.86  | 40.93 | 9.08  | 44.67   | 9.45  | 52.15   | 10.48 | 58.93 | 11.21 |
|     | 31                       | 26.07                       | 7.23  | 29.82   | 7.79  | 37.19   | 9.10  | 40.93 | 9.32  | 44.67   | 9.70  | 52.15   | 10.76 | 58.93 | 11.51 |
|     | 33                       | 26.07                       | 7.41  | 29.82   | 7.99  | 37.19   | 9.33  | 40.93 | 9.56  | 44.67   | 9.95  | 52.15   | 11.04 | 58.93 | 11.82 |
|     | 35                       | 26.07                       | 7.61  | 29.82   | 8.20  | 37.19   | 9.57  | 40.93 | 9.81  | 44.67   | 10.21 | 52.15   | 11.33 | 58.93 | 12.12 |
|     | 37                       | 26.07                       | 7.77  | 29.82   | 8.37  | 37.19   | 9.78  | 40.93 | 10.02 | 44.67   | 10.42 | 52.15   | 11.57 | 58.93 | 12.38 |
|     | 39                       | 26.07                       | 7.93  | 29.82   | 8.54  | 37.19   | 9.98  | 40.93 | 10.22 | 44.67   | 10.64 | 52.15   | 11.81 | 58.93 | 12.63 |
|     | 41                       | 26.07                       | 8.09  | 29.82   | 8.72  | 37.19   | 10.19 | 40.93 | 10.43 | 44.67   | 10.86 | 52.15   | 12.05 | 58.93 | 12.89 |
|     | 43                       | 26.07                       | 8.25  | 29.82   | 8.90  | 37.19   | 10.39 | 40.93 | 10.65 | 44.67   | 11.08 | 52.15   | 12.29 | 58.93 | 13.15 |
|     | 46                       | 26.07                       | 8.42  | 29.82   | 9.07  | 37.19   | 10.60 | 40.93 | 10.86 | 44.67   | 11.30 | 52.15   | 12.54 | 58.63 | 13.35 |
|     | 48                       | 26.07                       | 8.67  | 29.82   | 9.34  | 37.19   | 10.91 | 40.93 | 11.18 | 42.91   | 11.18 | 47.93   | 11.87 | 51.09 | 11.98 |
|     | 50                       | 26.07                       | 8.84  | 29.82   | 9.52  | 35.01   | 10.47 | 37.78 | 10.52 | 39.40   | 10.46 | 42.38   | 10.69 | 46.06 | 11.01 |
|     | 52                       | 25.61                       | 8.85  | 27.91   | 9.08  | 31.45   | 9.59  | 32.98 | 9.36  | 34.47   | 9.33  | 37.75   | 9.71  | 41.04 | 9.99  |
|     | 55                       | 22.69                       | 7.99  | 24.53   | 8.14  | 27.42   | 8.52  | 28.86 | 8.35  | 30.31   | 8.36  | 33.19   | 8.70  | 36.08 | 8.95  |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.9:24HP cooling capacity(continued)

| CR  | Outdoor<br>air temp.<br>(°CDB) | Indoor air temp. (°C DB/WD) |      |         |      |         |      |       |      |         |      |         |       |       |       |
|-----|--------------------------------|-----------------------------|------|---------|------|---------|------|-------|------|---------|------|---------|-------|-------|-------|
|     |                                | 20.8/14                     |      | 23.3/16 |      | 25.8/18 |      | 27/19 |      | 28.2/20 |      | 30.7/22 |       | 32/24 |       |
|     |                                | TC                          | PI   | TC      | PI   | TC      | PI   | TC    | PI   | TC      | PI   | TC      | PI    | TC    | PI    |
| 50% | -15                            | 21.76                       | 2.51 | 24.78   | 2.69 | 30.99   | 3.15 | 34.14 | 3.23 | 37.19   | 3.36 | 43.38   | 3.72  | 49.70 | 4.04  |
|     | -10                            | 21.76                       | 2.83 | 24.78   | 3.04 | 30.99   | 3.56 | 34.14 | 3.65 | 37.19   | 3.79 | 43.38   | 4.20  | 49.70 | 4.55  |
|     | -5                             | 21.76                       | 3.16 | 24.78   | 3.39 | 30.99   | 3.97 | 34.14 | 4.07 | 37.19   | 4.22 | 43.38   | 4.68  | 49.70 | 5.08  |
|     | -2                             | 21.76                       | 3.35 | 24.78   | 3.60 | 30.99   | 4.22 | 34.14 | 4.32 | 37.19   | 4.49 | 43.38   | 4.98  | 49.70 | 5.40  |
|     | 0                              | 21.76                       | 3.49 | 24.78   | 3.74 | 30.99   | 4.38 | 34.14 | 4.50 | 37.19   | 4.67 | 43.38   | 5.18  | 49.70 | 5.62  |
|     | 2                              | 21.76                       | 3.62 | 24.78   | 3.89 | 30.99   | 4.55 | 34.14 | 4.67 | 37.19   | 4.85 | 43.38   | 5.38  | 49.70 | 5.83  |
|     | 4                              | 21.76                       | 3.76 | 24.78   | 4.03 | 30.99   | 4.72 | 34.14 | 4.84 | 37.19   | 5.03 | 43.38   | 5.58  | 49.70 | 6.05  |
|     | 6                              | 21.76                       | 3.89 | 24.78   | 4.18 | 30.99   | 4.89 | 34.14 | 5.02 | 37.19   | 5.21 | 43.38   | 5.78  | 49.70 | 6.27  |
|     | 8                              | 21.76                       | 4.03 | 24.78   | 4.33 | 30.99   | 5.07 | 34.14 | 5.20 | 37.19   | 5.40 | 43.38   | 5.98  | 49.70 | 6.49  |
|     | 10                             | 21.76                       | 4.17 | 24.78   | 4.47 | 30.99   | 5.24 | 34.14 | 5.37 | 37.19   | 5.58 | 43.38   | 6.19  | 49.70 | 6.71  |
|     | 12                             | 21.76                       | 4.31 | 24.78   | 4.62 | 30.99   | 5.42 | 34.14 | 5.55 | 37.19   | 5.77 | 43.38   | 6.39  | 49.70 | 6.94  |
|     | 14                             | 21.76                       | 4.45 | 24.78   | 4.77 | 30.99   | 5.59 | 34.14 | 5.73 | 37.19   | 5.95 | 43.38   | 6.60  | 49.70 | 7.16  |
|     | 16                             | 21.76                       | 4.59 | 24.78   | 4.92 | 30.99   | 5.77 | 34.14 | 5.91 | 37.19   | 6.14 | 43.38   | 6.81  | 49.70 | 7.39  |
|     | 18                             | 21.76                       | 4.73 | 24.78   | 5.08 | 30.99   | 5.95 | 34.14 | 6.10 | 37.19   | 6.33 | 43.38   | 7.02  | 49.70 | 7.62  |
|     | 20                             | 21.76                       | 4.87 | 24.78   | 5.23 | 30.99   | 6.12 | 34.14 | 6.28 | 37.19   | 6.52 | 43.38   | 7.23  | 49.70 | 7.85  |
|     | 21                             | 21.76                       | 4.94 | 24.78   | 5.30 | 30.99   | 6.21 | 34.14 | 6.37 | 37.19   | 6.62 | 43.38   | 7.34  | 49.70 | 7.96  |
|     | 23                             | 21.76                       | 5.09 | 24.78   | 5.46 | 30.99   | 6.40 | 34.14 | 6.56 | 37.19   | 6.81 | 43.38   | 7.55  | 49.70 | 8.19  |
|     | 25                             | 21.76                       | 5.23 | 24.78   | 5.61 | 30.99   | 6.58 | 34.14 | 6.74 | 37.19   | 7.00 | 43.38   | 7.77  | 49.70 | 8.43  |
|     | 27                             | 21.76                       | 5.38 | 24.78   | 5.77 | 30.99   | 6.76 | 34.14 | 6.93 | 37.19   | 7.20 | 43.38   | 7.98  | 49.70 | 8.66  |
|     | 29                             | 21.76                       | 5.52 | 24.78   | 5.93 | 30.99   | 6.95 | 34.14 | 7.12 | 37.19   | 7.40 | 43.38   | 8.20  | 49.70 | 8.90  |
|     | 31                             | 21.76                       | 5.67 | 24.78   | 6.09 | 30.99   | 7.13 | 34.14 | 7.31 | 37.19   | 7.59 | 43.38   | 8.42  | 49.70 | 9.14  |
|     | 33                             | 21.76                       | 5.82 | 24.78   | 6.25 | 30.99   | 7.32 | 34.14 | 7.50 | 37.19   | 7.79 | 43.38   | 8.64  | 49.70 | 9.37  |
|     | 35                             | 21.76                       | 5.97 | 24.78   | 6.41 | 30.99   | 7.51 | 34.14 | 7.70 | 37.19   | 7.99 | 43.38   | 8.86  | 49.70 | 9.62  |
|     | 37                             | 21.76                       | 6.10 | 24.78   | 6.54 | 30.99   | 7.66 | 34.14 | 7.86 | 37.19   | 8.16 | 43.38   | 9.05  | 49.70 | 9.82  |
|     | 39                             | 21.76                       | 6.22 | 24.78   | 6.68 | 30.99   | 7.82 | 34.14 | 8.02 | 37.19   | 8.33 | 43.38   | 9.24  | 49.70 | 10.02 |
|     | 41                             | 21.76                       | 6.35 | 24.78   | 6.82 | 30.99   | 7.99 | 34.14 | 8.19 | 37.19   | 8.50 | 43.38   | 9.43  | 49.70 | 10.23 |
|     | 43                             | 21.76                       | 6.48 | 24.78   | 6.95 | 30.99   | 8.15 | 34.14 | 8.35 | 37.19   | 8.68 | 43.38   | 9.62  | 49.70 | 10.44 |
|     | 46                             | 21.76                       | 6.61 | 24.78   | 7.09 | 30.99   | 8.31 | 34.14 | 8.52 | 37.19   | 8.85 | 43.38   | 9.81  | 49.70 | 10.65 |
|     | 48                             | 21.76                       | 6.81 | 24.78   | 7.30 | 30.99   | 8.56 | 34.14 | 8.77 | 37.19   | 9.11 | 43.38   | 10.10 | 49.70 | 10.96 |
|     | 50                             | 21.76                       | 6.94 | 24.78   | 7.45 | 30.99   | 8.72 | 34.14 | 8.94 | 37.19   | 9.29 | 42.38   | 10.06 | 46.06 | 10.36 |
|     | 52                             | 21.76                       | 7.07 | 24.78   | 7.59 | 30.99   | 8.89 | 32.83 | 8.76 | 34.47   | 8.78 | 37.75   | 9.14  | 41.04 | 9.40  |
|     | 55                             | 21.61                       | 7.16 | 24.49   | 7.64 | 27.37   | 8.00 | 28.81 | 7.84 | 30.25   | 7.85 | 33.13   | 8.17  | 36.01 | 8.41  |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.



## V8 PRO VRF 50Hz



Table2-8.10:26HP cooling capacity

| CR   | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |       |         |       |         |       |       |       |         |       |         |       |        |       |
|------|--------------------------|-----------------------------|-------|---------|-------|---------|-------|-------|-------|---------|-------|---------|-------|--------|-------|
|      |                          | 20.8/14                     |       | 23.3/16 |       | 25.8/18 |       | 27/19 |       | 28.2/20 |       | 30.7/22 |       | 32/24  |       |
|      |                          | TC                          | PI    | TC      | PI    | TC      | PI    | TC    | PI    | TC      | PI    | TC      | PI    | TC     | PI    |
| 130% | -15                      | 59.95                       | 14.89 | 68.37   | 16.00 | 85.33   | 18.70 | 94.08 | 19.19 | 97.76   | 19.01 | 101.87  | 18.83 | 104.29 | 10.05 |
|      | -10                      | 59.95                       | 16.64 | 68.37   | 17.88 | 85.33   | 20.91 | 94.08 | 21.46 | 97.76   | 21.26 | 101.87  | 21.06 | 104.29 | 11.24 |
|      | -5                       | 59.95                       | 18.43 | 68.37   | 19.80 | 85.33   | 23.15 | 94.08 | 23.76 | 97.76   | 23.54 | 101.87  | 23.32 | 104.29 | 12.44 |
|      | -2                       | 59.95                       | 19.52 | 68.37   | 20.97 | 85.33   | 24.52 | 94.08 | 25.16 | 97.76   | 24.93 | 101.87  | 24.69 | 104.29 | 13.17 |
|      | 0                        | 59.95                       | 20.25 | 68.37   | 21.76 | 85.33   | 25.44 | 94.08 | 26.10 | 97.76   | 25.86 | 101.87  | 25.61 | 104.29 | 13.67 |
|      | 2                        | 59.95                       | 20.98 | 68.37   | 22.54 | 85.33   | 26.36 | 94.08 | 27.05 | 97.76   | 26.80 | 101.87  | 26.54 | 104.29 | 14.16 |
|      | 4                        | 59.95                       | 21.72 | 68.37   | 23.34 | 85.33   | 27.29 | 94.08 | 28.00 | 97.76   | 27.75 | 101.87  | 27.48 | 104.29 | 14.66 |
|      | 6                        | 59.95                       | 22.47 | 68.37   | 24.14 | 85.33   | 28.22 | 94.08 | 28.96 | 97.76   | 28.70 | 101.87  | 28.42 | 104.29 | 15.17 |
|      | 8                        | 59.95                       | 23.21 | 68.37   | 24.94 | 85.33   | 29.16 | 94.08 | 29.93 | 97.76   | 29.65 | 101.87  | 29.37 | 104.29 | 15.67 |
|      | 10                       | 59.95                       | 23.97 | 68.37   | 25.75 | 85.33   | 30.11 | 94.08 | 30.90 | 97.76   | 30.62 | 101.87  | 30.32 | 104.29 | 16.18 |
|      | 12                       | 59.95                       | 24.73 | 68.37   | 26.57 | 85.33   | 31.06 | 94.08 | 31.88 | 97.76   | 31.59 | 101.87  | 31.28 | 104.29 | 16.69 |
|      | 14                       | 59.95                       | 25.49 | 68.37   | 27.39 | 85.33   | 32.02 | 94.08 | 32.86 | 97.76   | 32.56 | 101.87  | 32.25 | 104.29 | 17.21 |
|      | 16                       | 59.95                       | 26.26 | 68.37   | 28.22 | 85.33   | 32.99 | 94.08 | 33.85 | 97.76   | 33.54 | 101.87  | 33.22 | 104.29 | 17.73 |
|      | 18                       | 59.95                       | 27.03 | 68.37   | 29.05 | 85.33   | 33.96 | 94.08 | 34.85 | 97.76   | 34.53 | 101.87  | 34.20 | 104.29 | 18.25 |
|      | 20                       | 59.95                       | 27.81 | 68.37   | 29.89 | 85.33   | 34.94 | 94.08 | 35.85 | 97.76   | 35.53 | 101.87  | 35.19 | 104.29 | 18.77 |
|      | 21                       | 59.95                       | 28.20 | 68.37   | 30.31 | 85.33   | 35.43 | 94.08 | 36.36 | 97.76   | 36.03 | 101.87  | 35.68 | 104.29 | 19.04 |
|      | 23                       | 59.95                       | 28.99 | 68.37   | 31.15 | 85.33   | 36.42 | 94.08 | 37.37 | 97.76   | 37.03 | 101.87  | 36.68 | 104.29 | 19.57 |
|      | 25                       | 59.95                       | 29.78 | 68.37   | 32.00 | 85.33   | 37.41 | 94.08 | 38.39 | 97.76   | 38.04 | 101.87  | 37.68 | 104.29 | 20.10 |
|      | 27                       | 59.95                       | 30.58 | 68.37   | 32.86 | 85.33   | 38.42 | 94.08 | 39.42 | 97.76   | 39.06 | 101.87  | 38.69 | 104.29 | 20.64 |
|      | 29                       | 59.95                       | 31.38 | 68.37   | 33.72 | 85.33   | 39.42 | 94.08 | 40.45 | 97.76   | 40.08 | 101.87  | 39.70 | 104.29 | 21.18 |
|      | 31                       | 59.95                       | 32.19 | 68.37   | 34.59 | 85.33   | 40.44 | 91.62 | 40.41 | 96.20   | 40.46 | 101.87  | 40.72 | 104.29 | 21.73 |
|      | 33                       | 59.95                       | 33.00 | 68.37   | 35.46 | 81.04   | 39.38 | 85.30 | 38.57 | 89.57   | 38.62 | 98.10   | 40.20 | 104.29 | 22.28 |
|      | 35                       | 59.73                       | 33.70 | 68.26   | 36.28 | 75.85   | 37.77 | 78.99 | 36.60 | 82.94   | 36.65 | 90.83   | 38.15 | 98.73  | 21.61 |
|      | 37                       | 59.73                       | 34.44 | 68.26   | 37.09 | 74.80   | 38.07 | 76.94 | 36.44 | 80.78   | 36.49 | 88.48   | 37.98 | 96.17  | 21.52 |
|      | 39                       | 59.73                       | 35.20 | 68.26   | 37.90 | 72.06   | 37.48 | 75.60 | 36.59 | 79.38   | 36.64 | 86.94   | 38.14 | 94.50  | 21.61 |
|      | 41                       | 59.84                       | 36.02 | 65.42   | 37.10 | 70.55   | 37.48 | 74.26 | 36.72 | 77.98   | 36.77 | 85.40   | 38.27 | 92.83  | 21.68 |
|      | 43                       | 57.41                       | 35.29 | 62.58   | 36.25 | 69.28   | 37.59 | 72.93 | 36.83 | 76.57   | 36.87 | 83.87   | 38.38 | 91.16  | 21.75 |
|      | 46                       | 54.46                       | 34.18 | 60.85   | 35.98 | 68.01   | 37.67 | 71.59 | 36.91 | 75.17   | 36.95 | 82.33   | 38.47 | 89.49  | 21.79 |
|      | 48                       | 49.19                       | 31.83 | 55.75   | 33.99 | 62.31   | 35.59 | 65.59 | 34.86 | 68.87   | 34.90 | 75.43   | 36.33 | 81.99  | 20.59 |
|      | 50                       | 46.19                       | 30.49 | 52.35   | 32.56 | 58.51   | 34.09 | 61.59 | 33.40 | 64.67   | 33.44 | 70.83   | 34.81 | 76.98  | 19.72 |
|      | 52                       | 43.19                       | 29.08 | 48.95   | 31.05 | 54.71   | 32.51 | 57.59 | 31.85 | 60.47   | 31.89 | 66.22   | 33.19 | 71.98  | 18.81 |
|      | 55                       | 40.19                       | 27.59 | 45.55   | 29.46 | 50.91   | 30.85 | 53.59 | 30.22 | 56.26   | 30.26 | 61.62   | 31.49 | 66.98  | 17.84 |
| 120% | -15                      | 56.25                       | 14.51 | 64.37   | 15.65 | 80.17   | 18.26 | 88.38 | 18.73 | 95.34   | 19.27 | 100.08  | 19.22 | 101.97 | 10.21 |
|      | -10                      | 56.25                       | 16.23 | 64.37   | 17.49 | 80.17   | 20.41 | 88.38 | 20.94 | 95.34   | 21.54 | 100.08  | 21.49 | 101.97 | 11.41 |
|      | -5                       | 56.25                       | 17.97 | 64.37   | 19.37 | 80.17   | 22.60 | 88.38 | 23.19 | 95.34   | 23.86 | 100.08  | 23.80 | 101.97 | 12.64 |
|      | -2                       | 56.25                       | 19.03 | 64.37   | 20.51 | 80.17   | 23.94 | 88.38 | 24.56 | 95.34   | 25.26 | 100.08  | 25.20 | 101.97 | 13.39 |
|      | 0                        | 56.25                       | 19.74 | 64.37   | 21.28 | 80.17   | 24.83 | 88.38 | 25.48 | 95.34   | 26.21 | 100.08  | 26.15 | 101.97 | 13.89 |
|      | 2                        | 56.25                       | 20.46 | 64.37   | 22.05 | 80.17   | 25.73 | 88.38 | 26.40 | 95.34   | 27.16 | 100.08  | 27.10 | 101.97 | 14.39 |
|      | 4                        | 56.25                       | 21.18 | 64.37   | 22.83 | 80.17   | 26.64 | 88.38 | 27.33 | 95.34   | 28.11 | 100.08  | 28.05 | 101.97 | 14.90 |
|      | 6                        | 56.25                       | 21.90 | 64.37   | 23.61 | 80.17   | 27.55 | 88.38 | 28.27 | 95.34   | 29.08 | 100.08  | 29.01 | 101.97 | 15.41 |
|      | 8                        | 56.25                       | 22.63 | 64.37   | 24.40 | 80.17   | 28.47 | 88.38 | 29.21 | 95.34   | 30.05 | 100.08  | 29.98 | 101.97 | 15.92 |
|      | 10                       | 56.25                       | 23.37 | 64.37   | 25.19 | 80.17   | 29.40 | 88.38 | 30.16 | 95.34   | 31.02 | 100.08  | 30.95 | 101.97 | 16.44 |
|      | 12                       | 56.25                       | 24.11 | 64.37   | 25.99 | 80.17   | 30.33 | 88.38 | 31.12 | 95.34   | 32.00 | 100.08  | 31.93 | 101.97 | 16.96 |
|      | 14                       | 56.25                       | 24.85 | 64.37   | 26.79 | 80.17   | 31.26 | 88.38 | 32.08 | 95.34   | 32.99 | 100.08  | 32.92 | 101.97 | 17.48 |
|      | 16                       | 56.25                       | 25.60 | 64.37   | 27.60 | 80.17   | 32.21 | 88.38 | 33.05 | 95.34   | 33.99 | 100.08  | 33.91 | 101.97 | 18.01 |
|      | 18                       | 56.25                       | 26.36 | 64.37   | 28.41 | 80.17   | 33.16 | 88.38 | 34.02 | 95.34   | 34.99 | 100.08  | 34.91 | 101.97 | 18.54 |
|      | 20                       | 56.25                       | 27.12 | 64.37   | 29.23 | 80.17   | 34.11 | 88.38 | 35.00 | 95.34   | 36.00 | 100.08  | 35.92 | 101.97 | 19.07 |
|      | 21                       | 56.25                       | 27.50 | 64.37   | 29.64 | 80.17   | 34.59 | 88.38 | 35.49 | 95.34   | 36.50 | 100.08  | 36.42 | 101.97 | 19.34 |
|      | 23                       | 56.25                       | 28.27 | 64.37   | 30.47 | 80.17   | 35.56 | 88.38 | 36.48 | 95.34   | 37.52 | 100.08  | 37.44 | 101.97 | 19.88 |
|      | 25                       | 56.25                       | 29.04 | 64.37   | 31.30 | 80.17   | 36.53 | 88.38 | 37.48 | 95.34   | 38.55 | 100.08  | 38.46 | 101.97 | 20.43 |
|      | 27                       | 56.25                       | 29.81 | 64.37   | 32.14 | 80.17   | 37.50 | 88.38 | 38.48 | 95.34   | 39.58 | 100.08  | 39.49 | 101.97 | 20.97 |
|      | 29                       | 56.25                       | 30.60 | 64.37   | 32.98 | 80.17   | 38.49 | 88.38 | 39.49 | 95.34   | 40.62 | 100.08  | 40.53 | 101.97 | 21.52 |
|      | 31                       | 56.25                       | 31.38 | 64.37   | 33.83 | 80.17   | 39.48 | 88.38 | 40.50 | 93.63   | 40.91 | 100.08  | 41.57 | 101.97 | 22.08 |
|      | 33                       | 56.25                       | 32.18 | 64.37   | 34.69 | 78.87   | 39.82 | 83.02 | 39.01 | 87.17   | 39.05 | 95.47   | 40.65 | 101.97 | 22.63 |
|      | 35                       | 56.25                       | 32.97 | 64.37   | 35.55 | 74.58   | 38.58 | 76.87 | 37.01 | 80.71   | 37.06 | 88.40   | 38.57 | 96.09  | 21.85 |
|      | 37                       | 56.15                       | 33.64 | 64.15   | 36.21 | 73.53   | 38.88 | 75.12 | 36.97 | 78.23   | 36.72 | 85.68   | 38.22 | 93.13  | 21.65 |
|      | 39                       | 56.15                       | 34.38 | 64.15   | 37.00 | 71.43   | 38.60 | 73.21 | 36.82 | 76.87   | 36.87 | 84.20   | 38.38 | 91.52  | 21.74 |
|      | 41                       | 56.15                       | 35.12 | 64.05   | 37.74 | 68.68   | 37.91 | 71.92 | 36.95 | 75.52   | 37.00 | 82.71   | 38.51 | 89.90  | 21.82 |
|      | 43                       | 56.15                       | 35.86 | 61.31   | 36.89 | 67.09   | 37.83 | 70.63 | 37.06 | 74.16   | 37.10 | 81.22   | 38.62 | 88.28  | 21.88 |
|      | 46                       | 52.99                       | 34.55 | 58.93   | 36.20 | 65.86   | 37.91 | 69.33 | 37.14 | 72.80   | 37.18 | 79.73   | 38.71 | 86.66  | 21.93 |
|      | 48                       | 47.64                       | 32.03 | 53.99   | 34.20 | 60.34   | 35.81 | 63.52 | 35.08 | 66.69   | 35.12 | 73.05   | 36.56 | 79.40  | 20.71 |
|      | 50                       | 44.73                       | 30.68 | 50.70   | 32.76 | 56.66   | 34.30 | 59.64 | 33.60 | 62.63   | 33.65 | 68.59   | 35.02 | 74.55  | 19.84 |
|      | 52                       | 41.83                       | 29.26 | 47.40   | 31.24 | 52.98   | 32.71 | 55.77 | 32.05 | 58.56   | 32.09 | 64.13   | 33.40 | 69.71  | 18.92 |
|      | 55                       | 38.92                       | 27.76 | 44.11   | 29.64 | 49.30   | 31.04 | 51.89 | 30.41 | 54.49   | 30.44 | 59.68   | 31.69 | 64.87  | 17.95 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.10:26HP cooling capacity(continued)

| CR   | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |       |         |       |         |       |       |       |         |       |         |       |       |       |
|------|--------------------------|-----------------------------|-------|---------|-------|---------|-------|-------|-------|---------|-------|---------|-------|-------|-------|
|      |                          | 20.8/14                     |       | 23.3/16 |       | 25.8/18 |       | 27/19 |       | 28.2/20 |       | 30.7/22 |       | 32/24 |       |
|      |                          | TC                          | PI    | TC      | PI    | TC      | PI    | TC    | PI    | TC      | PI    | TC      | PI    | TC    | PI    |
| 110% | -15                      | 52.46                       | 14.10 | 59.95   | 15.18 | 74.90   | 17.76 | 82.28 | 18.16 | 89.76   | 18.89 | 97.54   | 19.51 | 99.55 | 10.38 |
|      | -10                      | 52.46                       | 15.76 | 59.95   | 16.97 | 74.90   | 19.86 | 82.28 | 20.31 | 89.76   | 21.12 | 97.54   | 21.82 | 99.55 | 11.61 |
|      | -5                       | 52.46                       | 17.45 | 59.95   | 18.79 | 74.90   | 21.99 | 82.28 | 22.49 | 89.76   | 23.39 | 97.54   | 24.16 | 99.55 | 12.85 |
|      | -2                       | 52.46                       | 18.48 | 59.95   | 19.90 | 74.90   | 23.29 | 82.28 | 23.81 | 89.76   | 24.77 | 97.54   | 25.58 | 99.55 | 13.61 |
|      | 0                        | 52.46                       | 19.17 | 59.95   | 20.64 | 74.90   | 24.16 | 82.28 | 24.70 | 89.76   | 25.70 | 97.54   | 26.54 | 99.55 | 14.12 |
|      | 2                        | 52.46                       | 19.87 | 59.95   | 21.39 | 74.90   | 25.04 | 82.28 | 25.60 | 89.76   | 26.63 | 97.54   | 27.50 | 99.55 | 14.63 |
|      | 4                        | 52.46                       | 20.57 | 59.95   | 22.15 | 74.90   | 25.92 | 82.28 | 26.50 | 89.76   | 27.57 | 97.54   | 28.47 | 99.55 | 15.15 |
|      | 6                        | 52.46                       | 21.27 | 59.95   | 22.90 | 74.90   | 26.81 | 82.28 | 27.41 | 89.76   | 28.51 | 97.54   | 29.45 | 99.55 | 15.67 |
|      | 8                        | 52.46                       | 21.98 | 59.95   | 23.67 | 74.90   | 27.70 | 82.28 | 28.32 | 89.76   | 29.46 | 97.54   | 30.43 | 99.55 | 16.19 |
|      | 10                       | 52.46                       | 22.70 | 59.95   | 24.44 | 74.90   | 28.60 | 82.28 | 29.24 | 89.76   | 30.42 | 97.54   | 31.42 | 99.55 | 16.71 |
|      | 12                       | 52.46                       | 23.42 | 59.95   | 25.21 | 74.90   | 29.51 | 82.28 | 30.17 | 89.76   | 31.38 | 97.54   | 32.41 | 99.55 | 17.24 |
|      | 14                       | 52.46                       | 24.14 | 59.95   | 25.99 | 74.90   | 30.42 | 82.28 | 31.10 | 89.76   | 32.35 | 97.54   | 33.41 | 99.55 | 17.78 |
|      | 16                       | 52.46                       | 24.87 | 59.95   | 26.77 | 74.90   | 31.34 | 82.28 | 32.04 | 89.76   | 33.33 | 97.54   | 34.42 | 99.55 | 18.31 |
|      | 18                       | 52.46                       | 25.60 | 59.95   | 27.56 | 74.90   | 32.26 | 82.28 | 32.98 | 89.76   | 34.31 | 97.54   | 35.44 | 99.55 | 18.85 |
|      | 20                       | 52.46                       | 26.34 | 59.95   | 28.36 | 74.90   | 33.19 | 82.28 | 33.93 | 89.76   | 35.30 | 97.54   | 36.46 | 99.55 | 19.39 |
|      | 21                       | 52.46                       | 26.71 | 59.95   | 28.76 | 74.90   | 33.66 | 82.28 | 34.41 | 89.76   | 35.79 | 97.54   | 36.97 | 99.55 | 19.67 |
|      | 23                       | 52.46                       | 27.45 | 59.95   | 29.56 | 74.90   | 34.59 | 82.28 | 35.37 | 89.76   | 36.79 | 97.54   | 38.00 | 99.55 | 20.22 |
|      | 25                       | 52.46                       | 28.20 | 59.95   | 30.36 | 74.90   | 35.54 | 82.28 | 36.34 | 89.76   | 37.80 | 97.54   | 39.04 | 99.55 | 20.77 |
|      | 27                       | 52.46                       | 28.96 | 59.95   | 31.18 | 74.90   | 36.49 | 82.28 | 37.31 | 89.76   | 38.81 | 97.54   | 40.08 | 99.55 | 21.32 |
|      | 29                       | 52.46                       | 29.72 | 59.95   | 31.99 | 74.90   | 37.45 | 82.28 | 38.29 | 89.76   | 39.83 | 97.54   | 41.14 | 99.55 | 21.88 |
|      | 31                       | 52.46                       | 30.48 | 59.95   | 32.82 | 74.90   | 38.41 | 82.28 | 39.27 | 89.36   | 40.67 | 97.54   | 42.19 | 99.55 | 22.45 |
|      | 33                       | 52.46                       | 31.25 | 59.95   | 33.65 | 74.90   | 39.38 | 79.23 | 38.77 | 83.20   | 38.82 | 91.12   | 40.41 | 99.04 | 22.89 |
|      | 35                       | 52.46                       | 32.03 | 59.95   | 34.48 | 73.11   | 39.39 | 74.80 | 37.51 | 77.03   | 36.84 | 84.37   | 38.34 | 91.71 | 21.72 |
|      | 37                       | 52.46                       | 32.74 | 59.95   | 35.25 | 72.06   | 39.69 | 73.84 | 37.85 | 75.32   | 36.82 | 81.97   | 38.08 | 89.10 | 21.58 |
|      | 39                       | 52.46                       | 33.45 | 59.84   | 35.95 | 70.79   | 39.84 | 71.32 | 37.36 | 73.55   | 36.74 | 80.55   | 38.24 | 87.55 | 21.67 |
|      | 41                       | 52.35                       | 34.10 | 59.73   | 36.66 | 68.16   | 39.19 | 68.81 | 36.82 | 72.25   | 36.86 | 79.13   | 38.37 | 86.01 | 21.74 |
|      | 43                       | 52.35                       | 34.83 | 57.63   | 36.12 | 64.19   | 37.69 | 67.57 | 36.92 | 70.95   | 36.97 | 77.70   | 38.48 | 84.46 | 21.80 |
|      | 46                       | 50.45                       | 34.27 | 56.38   | 36.08 | 63.01   | 37.77 | 66.33 | 37.01 | 69.65   | 37.05 | 76.28   | 38.57 | 82.91 | 21.85 |
|      | 48                       | 45.58                       | 31.91 | 51.65   | 34.07 | 57.73   | 35.68 | 60.77 | 34.95 | 63.81   | 35.00 | 69.88   | 36.43 | 75.96 | 20.64 |
|      | 50                       | 42.80                       | 30.57 | 48.50   | 32.64 | 54.21   | 34.18 | 57.06 | 33.48 | 59.91   | 33.52 | 65.62   | 34.90 | 71.33 | 19.77 |
|      | 52                       | 40.02                       | 29.15 | 45.35   | 31.13 | 50.69   | 32.60 | 53.35 | 31.93 | 56.02   | 31.97 | 61.36   | 33.28 | 66.69 | 18.86 |
|      | 55                       | 37.24                       | 27.66 | 42.20   | 29.54 | 47.16   | 30.93 | 49.65 | 30.30 | 52.13   | 30.34 | 57.09   | 31.58 | 62.06 | 17.89 |
| 100% | -15                      | 48.56                       | 13.62 | 55.41   | 14.65 | 69.32   | 17.16 | 76.06 | 17.53 | 83.01   | 18.24 | 94.08   | 19.65 | 96.81 | 10.54 |
|      | -10                      | 48.56                       | 15.23 | 55.41   | 16.38 | 69.32   | 19.19 | 76.06 | 19.60 | 83.01   | 20.40 | 94.08   | 21.97 | 96.81 | 11.78 |
|      | -5                       | 48.56                       | 16.87 | 55.41   | 18.13 | 69.32   | 21.25 | 76.06 | 21.70 | 83.01   | 22.59 | 94.08   | 24.33 | 96.81 | 13.05 |
|      | -2                       | 48.56                       | 17.86 | 55.41   | 19.20 | 69.32   | 22.50 | 76.06 | 22.98 | 83.01   | 23.92 | 94.08   | 25.76 | 96.81 | 13.82 |
|      | 0                        | 48.56                       | 18.53 | 55.41   | 19.92 | 69.32   | 23.35 | 76.06 | 23.84 | 83.01   | 24.81 | 94.08   | 26.72 | 96.81 | 14.33 |
|      | 2                        | 48.56                       | 19.20 | 55.41   | 20.64 | 69.32   | 24.19 | 76.06 | 24.71 | 83.01   | 25.71 | 94.08   | 27.69 | 96.81 | 14.85 |
|      | 4                        | 48.56                       | 19.88 | 55.41   | 21.37 | 69.32   | 25.04 | 76.06 | 25.58 | 83.01   | 26.62 | 94.08   | 28.67 | 96.81 | 15.38 |
|      | 6                        | 48.56                       | 20.56 | 55.41   | 22.10 | 69.32   | 25.90 | 76.06 | 26.45 | 83.01   | 27.53 | 94.08   | 29.65 | 96.81 | 15.90 |
|      | 8                        | 48.56                       | 21.24 | 55.41   | 22.84 | 69.32   | 26.77 | 76.06 | 27.34 | 83.01   | 28.45 | 94.08   | 30.64 | 96.81 | 16.44 |
|      | 10                       | 48.56                       | 21.93 | 55.41   | 23.58 | 69.32   | 27.64 | 76.06 | 28.22 | 83.01   | 29.37 | 94.08   | 31.64 | 96.81 | 16.97 |
|      | 12                       | 48.56                       | 22.63 | 55.41   | 24.33 | 69.32   | 28.51 | 76.06 | 29.12 | 83.01   | 30.30 | 94.08   | 32.64 | 96.81 | 17.51 |
|      | 14                       | 48.56                       | 23.33 | 55.41   | 25.08 | 69.32   | 29.39 | 76.06 | 30.02 | 83.01   | 31.24 | 94.08   | 33.65 | 96.81 | 18.05 |
|      | 16                       | 48.56                       | 24.03 | 55.41   | 25.84 | 69.32   | 30.28 | 76.06 | 30.92 | 83.01   | 32.18 | 94.08   | 34.66 | 96.81 | 18.59 |
|      | 18                       | 48.56                       | 24.74 | 55.41   | 26.60 | 69.32   | 31.17 | 76.06 | 31.83 | 83.01   | 33.13 | 94.08   | 35.68 | 96.81 | 19.14 |
|      | 20                       | 48.56                       | 25.45 | 55.41   | 27.36 | 69.32   | 32.07 | 76.06 | 32.75 | 83.01   | 34.08 | 94.08   | 36.71 | 96.81 | 19.69 |
|      | 21                       | 48.56                       | 25.81 | 55.41   | 27.75 | 69.32   | 32.52 | 76.06 | 33.21 | 83.01   | 34.56 | 94.08   | 37.23 | 96.81 | 19.97 |
|      | 23                       | 48.56                       | 26.53 | 55.41   | 28.52 | 69.32   | 33.43 | 76.06 | 34.14 | 83.01   | 35.53 | 94.08   | 38.27 | 96.81 | 20.52 |
|      | 25                       | 48.56                       | 27.25 | 55.41   | 29.30 | 69.32   | 34.34 | 76.06 | 35.07 | 83.01   | 36.50 | 94.08   | 39.31 | 96.81 | 21.09 |
|      | 27                       | 48.56                       | 27.98 | 55.41   | 30.09 | 69.32   | 35.26 | 76.06 | 36.01 | 83.01   | 37.47 | 94.08   | 40.36 | 96.81 | 21.65 |
|      | 29                       | 48.56                       | 28.72 | 55.41   | 30.87 | 69.32   | 36.18 | 76.06 | 36.95 | 83.01   | 38.46 | 94.08   | 41.42 | 96.81 | 22.22 |
|      | 31                       | 48.56                       | 29.46 | 55.41   | 31.67 | 69.32   | 37.11 | 76.06 | 37.90 | 83.01   | 39.44 | 94.08   | 42.49 | 96.81 | 22.79 |
|      | 33                       | 48.56                       | 30.20 | 55.41   | 32.47 | 69.32   | 38.05 | 76.06 | 38.86 | 82.78   | 40.33 | 90.67   | 41.98 | 96.81 | 23.36 |
|      | 35                       | 48.56                       | 30.95 | 55.41   | 33.27 | 69.32   | 38.99 | 73.00 | 38.22 | 76.65   | 38.27 | 83.95   | 39.83 | 91.25 | 22.57 |
|      | 37                       | 48.56                       | 31.64 | 55.41   | 34.01 | 69.11   | 39.74 | 71.95 | 38.51 | 75.34   | 38.45 | 82.52   | 40.02 | 89.69 | 22.68 |
|      | 39                       | 48.56                       | 32.33 | 55.41   | 34.76 | 69.11   | 40.61 | 70.79 | 38.71 | 74.03   | 38.61 | 81.08   | 40.19 | 88.13 | 22.77 |
|      | 41                       | 48.56                       | 33.02 | 55.41   | 35.50 | 66.58   | 39.97 | 69.26 | 38.69 | 72.72   | 38.74 | 79.65   | 40.33 | 86.58 | 22.85 |
|      | 43                       | 48.56                       | 33.72 | 55.41   | 36.26 | 64.61   | 39.61 | 68.01 | 38.81 | 71.42   | 38.85 | 78.22   | 40.44 | 85.02 | 22.91 |
|      | 46                       | 48.56                       | 34.43 | 55.41   | 37.02 | 63.43   | 39.70 | 66.77 | 38.89 | 70.11   | 38.94 | 76.78   | 40.53 | 83.46 | 22.96 |
|      | 48                       | 45.88                       | 33.54 | 52.00   | 35.81 | 58.11   | 37.50 | 61.17 | 36.73 | 64.23   | 36.78 | 70.35   | 38.29 | 76.46 | 21.69 |
|      | 50                       | 43.08                       | 32.13 | 48.82   | 34.31 | 54.57   | 35.92 | 57.44 | 35.19 | 60.31   | 35.23 | 66.06   | 36.68 | 71.80 | 20.78 |
|      | 52                       | 40.28                       | 30.64 | 45.65   | 32.72 | 51.02   | 34.26 | 53.71 | 33.56 | 56.39   | 33.60 | 61.76   | 34.98 | 67.13 | 19.82 |
|      | 55                       | 37.48                       | 29.07 | 42.48   | 31.04 | 47.48   | 32.50 | 49.98 | 31.84 | 52.47   | 31.88 | 57.47   | 33.19 | 62.47 | 18.80 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

## V8 PRO VRF 50Hz



Table2-8.10:26HP cooling capacity(continued)

| CR  | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |       |         |       |         |       |       |       |         |       |         |       |       |       |
|-----|--------------------------|-----------------------------|-------|---------|-------|---------|-------|-------|-------|---------|-------|---------|-------|-------|-------|
|     |                          | 20.8/14                     |       | 23.3/16 |       | 25.8/18 |       | 27/19 |       | 28.2/20 |       | 30.7/22 |       | 32/24 |       |
|     |                          | TC                          | PI    | TC      | PI    | TC      | PI    | TC    | PI    | TC      | PI    | TC      | PI    | TC    | PI    |
| 90% | -15                      | 44.36                       | 12.06 | 49.94   | 12.79 | 62.25   | 14.94 | 68.58 | 15.32 | 74.69   | 15.90 | 87.22   | 17.65 | 93.02 | 9.81  |
|     | -10                      | 44.36                       | 13.48 | 49.94   | 14.30 | 62.25   | 16.70 | 68.58 | 17.12 | 74.69   | 17.78 | 87.22   | 19.74 | 93.02 | 10.97 |
|     | -5                       | 44.36                       | 14.93 | 49.94   | 15.84 | 62.25   | 18.50 | 68.58 | 18.96 | 74.69   | 19.69 | 87.22   | 21.86 | 93.02 | 12.15 |
|     | -2                       | 44.36                       | 15.81 | 49.94   | 16.77 | 62.25   | 19.59 | 68.58 | 20.08 | 74.69   | 20.85 | 87.22   | 23.15 | 93.02 | 12.87 |
|     | 0                        | 44.36                       | 16.40 | 49.94   | 17.40 | 62.25   | 20.32 | 68.58 | 20.83 | 74.69   | 21.63 | 87.22   | 24.01 | 93.02 | 13.35 |
|     | 2                        | 44.36                       | 17.00 | 49.94   | 18.03 | 62.25   | 21.06 | 68.58 | 21.59 | 74.69   | 22.42 | 87.22   | 24.88 | 93.02 | 13.83 |
|     | 4                        | 44.36                       | 17.60 | 49.94   | 18.66 | 62.25   | 21.80 | 68.58 | 22.35 | 74.69   | 23.21 | 87.22   | 25.76 | 93.02 | 14.32 |
|     | 6                        | 44.36                       | 18.20 | 49.94   | 19.30 | 62.25   | 22.54 | 68.58 | 23.11 | 74.69   | 24.00 | 87.22   | 26.64 | 93.02 | 14.81 |
|     | 8                        | 44.36                       | 18.81 | 49.94   | 19.95 | 62.25   | 23.30 | 68.58 | 23.88 | 74.69   | 24.80 | 87.22   | 27.53 | 93.02 | 15.30 |
|     | 10                       | 44.36                       | 19.42 | 49.94   | 20.59 | 62.25   | 24.05 | 68.58 | 24.66 | 74.69   | 25.61 | 87.22   | 28.42 | 93.02 | 15.80 |
|     | 12                       | 44.36                       | 20.03 | 49.94   | 21.25 | 62.25   | 24.81 | 68.58 | 25.44 | 74.69   | 26.42 | 87.22   | 29.32 | 93.02 | 16.30 |
|     | 14                       | 44.36                       | 20.65 | 49.94   | 21.90 | 62.25   | 25.58 | 68.58 | 26.23 | 74.69   | 27.24 | 87.22   | 30.23 | 93.02 | 16.80 |
|     | 16                       | 44.36                       | 21.27 | 49.94   | 22.56 | 62.25   | 26.35 | 68.58 | 27.02 | 74.69   | 28.06 | 87.22   | 31.14 | 93.02 | 17.31 |
|     | 18                       | 44.36                       | 21.90 | 49.94   | 23.23 | 62.25   | 27.13 | 68.58 | 27.81 | 74.69   | 28.88 | 87.22   | 32.06 | 93.02 | 17.82 |
|     | 20                       | 44.36                       | 22.53 | 49.94   | 23.90 | 62.25   | 27.91 | 68.58 | 28.62 | 74.69   | 29.72 | 87.22   | 32.98 | 93.02 | 18.34 |
|     | 21                       | 44.36                       | 22.85 | 49.94   | 24.23 | 62.25   | 28.30 | 68.58 | 29.02 | 74.69   | 30.13 | 87.22   | 33.45 | 93.02 | 18.59 |
|     | 23                       | 44.36                       | 23.48 | 49.94   | 24.91 | 62.25   | 29.09 | 68.58 | 29.83 | 74.69   | 30.97 | 87.22   | 34.38 | 93.02 | 19.11 |
|     | 25                       | 44.36                       | 24.13 | 49.94   | 25.59 | 62.25   | 29.89 | 68.58 | 30.64 | 74.69   | 31.82 | 87.22   | 35.32 | 93.02 | 19.63 |
|     | 27                       | 44.36                       | 24.77 | 49.94   | 26.27 | 62.25   | 30.69 | 68.58 | 31.46 | 74.69   | 32.67 | 87.22   | 36.26 | 93.02 | 20.16 |
|     | 29                       | 44.36                       | 25.42 | 49.94   | 26.96 | 62.25   | 31.49 | 68.58 | 32.29 | 74.69   | 33.53 | 87.22   | 37.21 | 93.02 | 20.69 |
|     | 31                       | 44.36                       | 26.07 | 49.94   | 27.66 | 62.25   | 32.30 | 68.58 | 33.12 | 74.69   | 34.39 | 87.22   | 38.17 | 93.02 | 21.22 |
|     | 33                       | 44.36                       | 26.73 | 49.94   | 28.36 | 62.25   | 33.12 | 68.58 | 33.95 | 74.69   | 35.26 | 87.22   | 39.14 | 93.02 | 21.76 |
|     | 35                       | 44.36                       | 27.40 | 49.94   | 29.06 | 62.25   | 33.94 | 68.58 | 34.79 | 74.69   | 36.13 | 83.95   | 38.60 | 91.25 | 21.87 |
|     | 37                       | 44.36                       | 28.00 | 49.94   | 29.70 | 62.25   | 34.69 | 68.58 | 35.57 | 72.05   | 35.63 | 78.91   | 37.09 | 85.77 | 21.01 |
|     | 39                       | 44.36                       | 28.62 | 49.94   | 30.35 | 62.15   | 35.39 | 68.48 | 36.29 | 70.27   | 35.51 | 73.89   | 35.49 | 80.31 | 20.11 |
|     | 41                       | 44.36                       | 29.23 | 49.94   | 31.01 | 62.15   | 36.16 | 65.84 | 35.64 | 67.94   | 35.08 | 72.58   | 35.61 | 78.89 | 20.18 |
|     | 43                       | 44.36                       | 29.85 | 49.94   | 31.67 | 59.62   | 35.42 | 62.68 | 34.65 | 65.08   | 34.31 | 71.28   | 35.71 | 77.47 | 20.23 |
|     | 46                       | 44.36                       | 30.48 | 49.94   | 32.33 | 57.80   | 35.05 | 60.84 | 34.34 | 63.89   | 34.38 | 69.97   | 35.79 | 76.05 | 20.28 |
|     | 48                       | 41.81                       | 29.62 | 47.38   | 31.62 | 52.95   | 33.11 | 55.74 | 32.44 | 58.53   | 32.48 | 64.10   | 33.81 | 69.68 | 19.15 |
|     | 50                       | 39.26                       | 28.37 | 44.49   | 30.29 | 49.72   | 31.72 | 52.34 | 31.07 | 54.96   | 31.11 | 60.19   | 32.39 | 65.43 | 18.35 |
|     | 52                       | 36.71                       | 27.06 | 41.60   | 28.89 | 46.49   | 30.25 | 48.94 | 29.63 | 51.39   | 29.67 | 56.28   | 30.89 | 61.18 | 17.50 |
|     | 55                       | 34.16                       | 25.67 | 38.71   | 27.41 | 43.26   | 28.70 | 45.54 | 28.12 | 47.82   | 28.15 | 52.37   | 29.31 | 56.93 | 16.60 |
| 80% | -15                      | 39.40                       | 10.33 | 45.09   | 11.14 | 55.41   | 12.83 | 60.99 | 13.14 | 66.47   | 13.66 | 77.53   | 15.14 | 87.86 | 8.94  |
|     | -10                      | 39.40                       | 11.55 | 45.09   | 12.46 | 55.41   | 14.34 | 60.99 | 14.69 | 66.47   | 15.27 | 77.53   | 16.93 | 87.86 | 10.00 |
|     | -5                       | 39.40                       | 12.79 | 45.09   | 13.79 | 55.41   | 15.88 | 60.99 | 16.27 | 66.47   | 16.91 | 77.53   | 18.74 | 87.86 | 11.07 |
|     | -2                       | 39.40                       | 13.55 | 45.09   | 14.61 | 55.41   | 16.82 | 60.99 | 17.23 | 66.47   | 17.90 | 77.53   | 19.85 | 87.86 | 11.72 |
|     | 0                        | 39.40                       | 14.05 | 45.09   | 15.15 | 55.41   | 17.45 | 60.99 | 17.87 | 66.47   | 18.57 | 77.53   | 20.59 | 87.86 | 12.16 |
|     | 2                        | 39.40                       | 14.56 | 45.09   | 15.70 | 55.41   | 18.08 | 60.99 | 18.52 | 66.47   | 19.25 | 77.53   | 21.34 | 87.86 | 12.60 |
|     | 4                        | 39.40                       | 15.08 | 45.09   | 16.26 | 55.41   | 18.72 | 60.99 | 19.17 | 66.47   | 19.93 | 77.53   | 22.09 | 87.86 | 13.05 |
|     | 6                        | 39.40                       | 15.59 | 45.09   | 16.81 | 55.41   | 19.36 | 60.99 | 19.83 | 66.47   | 20.61 | 77.53   | 22.84 | 87.86 | 13.49 |
|     | 8                        | 39.40                       | 16.11 | 45.09   | 17.38 | 55.41   | 20.00 | 60.99 | 20.49 | 66.47   | 21.30 | 77.53   | 23.61 | 87.86 | 13.94 |
|     | 10                       | 39.40                       | 16.64 | 45.09   | 17.94 | 55.41   | 20.65 | 60.99 | 21.16 | 66.47   | 21.99 | 77.53   | 24.37 | 87.86 | 14.40 |
|     | 12                       | 39.40                       | 17.16 | 45.09   | 18.51 | 55.41   | 21.31 | 60.99 | 21.83 | 66.47   | 22.68 | 77.53   | 25.15 | 87.86 | 14.85 |
|     | 14                       | 39.40                       | 17.70 | 45.09   | 19.08 | 55.41   | 21.96 | 60.99 | 22.50 | 66.47   | 23.38 | 77.53   | 25.92 | 87.86 | 15.31 |
|     | 16                       | 39.40                       | 18.23 | 45.09   | 19.65 | 55.41   | 22.63 | 60.99 | 23.18 | 66.47   | 24.09 | 77.53   | 26.70 | 87.86 | 15.77 |
|     | 18                       | 39.40                       | 18.77 | 45.09   | 20.23 | 55.41   | 23.29 | 60.99 | 23.86 | 66.47   | 24.80 | 77.53   | 27.49 | 87.86 | 16.24 |
|     | 20                       | 39.40                       | 19.31 | 45.09   | 20.82 | 55.41   | 23.97 | 60.99 | 24.55 | 66.47   | 25.51 | 77.53   | 28.28 | 87.86 | 16.71 |
|     | 21                       | 39.40                       | 19.58 | 45.09   | 21.11 | 55.41   | 24.30 | 60.99 | 24.90 | 66.47   | 25.87 | 77.53   | 28.68 | 87.86 | 16.94 |
|     | 23                       | 39.40                       | 20.12 | 45.09   | 21.70 | 55.41   | 24.98 | 60.99 | 25.59 | 66.47   | 26.60 | 77.53   | 29.48 | 87.86 | 17.41 |
|     | 25                       | 39.40                       | 20.67 | 45.09   | 22.29 | 55.41   | 25.66 | 60.99 | 26.29 | 66.47   | 27.32 | 77.53   | 30.29 | 87.86 | 17.89 |
|     | 27                       | 39.40                       | 21.23 | 45.09   | 22.89 | 55.41   | 26.35 | 60.99 | 26.99 | 66.47   | 28.05 | 77.53   | 31.10 | 87.86 | 18.37 |
|     | 29                       | 39.40                       | 21.78 | 45.09   | 23.49 | 55.41   | 27.04 | 60.99 | 27.70 | 66.47   | 28.79 | 77.53   | 31.91 | 87.86 | 18.85 |
|     | 31                       | 39.40                       | 22.34 | 45.09   | 24.09 | 55.41   | 27.74 | 60.99 | 28.41 | 66.47   | 29.53 | 77.53   | 32.73 | 87.86 | 19.33 |
|     | 33                       | 39.40                       | 22.91 | 45.09   | 24.70 | 55.41   | 28.44 | 60.99 | 29.13 | 66.47   | 30.27 | 77.53   | 33.56 | 87.86 | 19.82 |
|     | 35                       | 39.40                       | 23.48 | 45.09   | 25.31 | 55.41   | 29.14 | 60.99 | 29.85 | 66.47   | 31.02 | 77.53   | 34.39 | 87.86 | 20.31 |
|     | 37                       | 39.40                       | 24.00 | 45.09   | 25.87 | 55.41   | 29.79 | 60.99 | 30.52 | 66.47   | 31.71 | 77.53   | 35.15 | 85.77 | 20.27 |
|     | 39                       | 39.40                       | 24.52 | 45.09   | 26.44 | 55.41   | 30.44 | 60.99 | 31.18 | 66.47   | 32.41 | 73.88   | 34.23 | 80.30 | 19.39 |
|     | 41                       | 39.40                       | 25.05 | 45.09   | 27.01 | 55.41   | 31.09 | 60.78 | 31.75 | 64.15   | 31.95 | 68.84   | 32.58 | 74.82 | 18.46 |
|     | 43                       | 39.40                       | 25.58 | 45.09   | 27.58 | 55.30   | 31.69 | 58.25 | 31.07 | 61.95   | 31.50 | 64.14   | 31.00 | 69.72 | 17.56 |
|     | 46                       | 39.40                       | 26.12 | 45.09   | 28.16 | 52.56   | 30.75 | 55.73 | 30.35 | 57.49   | 29.85 | 62.96   | 31.07 | 68.44 | 17.60 |
|     | 48                       | 38.56                       | 26.35 | 42.64   | 27.45 | 47.65   | 28.74 | 50.16 | 28.16 | 52.67   | 28.19 | 57.68   | 29.35 | 62.70 | 16.63 |
|     | 50                       | 36.66                       | 25.56 | 40.04   | 26.30 | 44.75   | 27.54 | 47.10 | 26.98 | 49.46   | 27.01 | 54.17   | 28.11 | 58.88 | 15.93 |
|     | 52                       | 33.03                       | 23.49 | 37.43   | 25.08 | 41.84   | 26.26 | 44.04 | 25.73 | 46.24   | 25.76 | 50.65   | 26.81 | 55.05 | 15.19 |
|     | 55                       | 30.73                       | 22.29 | 34.83   | 23.80 | 38.93   | 24.92 | 40.98 | 24.41 | 43.03   | 24.44 | 47.13   | 25.44 | 51.22 | 14.41 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...



Table2-8.10:26HP cooling capacity(continued)

| CR  | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |       |         |       |         |       |       |       |         |       |         |       |       |       |
|-----|--------------------------|-----------------------------|-------|---------|-------|---------|-------|-------|-------|---------|-------|---------|-------|-------|-------|
|     |                          | 20.8/14                     |       | 23.3/16 |       | 25.8/18 |       | 27/19 |       | 28.2/20 |       | 30.7/22 |       | 32/24 |       |
|     |                          | TC                          | PI    | TC      | PI    | TC      | PI    | TC    | PI    | TC      | PI    | TC      | PI    | TC    | PI    |
| 70% | -15                      | 34.55                       | 8.70  | 39.40   | 9.34  | 48.46   | 10.76 | 53.30 | 11.02 | 58.14   | 11.46 | 67.94   | 12.73 | 77.01 | 7.52  |
|     | -10                      | 34.55                       | 9.72  | 39.40   | 10.45 | 48.46   | 12.04 | 53.30 | 12.32 | 58.14   | 12.81 | 67.94   | 14.23 | 77.01 | 8.41  |
|     | -5                       | 34.55                       | 10.77 | 39.40   | 11.57 | 48.46   | 13.33 | 53.30 | 13.64 | 58.14   | 14.19 | 67.94   | 15.76 | 77.01 | 9.31  |
|     | -2                       | 34.55                       | 11.40 | 39.40   | 12.25 | 48.46   | 14.11 | 53.30 | 14.45 | 58.14   | 15.03 | 67.94   | 16.69 | 77.01 | 9.86  |
|     | 0                        | 34.55                       | 11.83 | 39.40   | 12.71 | 48.46   | 14.64 | 53.30 | 14.99 | 58.14   | 15.59 | 67.94   | 17.31 | 77.01 | 10.23 |
|     | 2                        | 34.55                       | 12.26 | 39.40   | 13.17 | 48.46   | 15.17 | 53.30 | 15.53 | 58.14   | 16.15 | 67.94   | 17.94 | 77.01 | 10.60 |
|     | 4                        | 34.55                       | 12.69 | 39.40   | 13.63 | 48.46   | 15.71 | 53.30 | 16.08 | 58.14   | 16.72 | 67.94   | 18.57 | 77.01 | 10.97 |
|     | 6                        | 34.55                       | 13.12 | 39.40   | 14.10 | 48.46   | 16.24 | 53.30 | 16.63 | 58.14   | 17.30 | 67.94   | 19.21 | 77.01 | 11.35 |
|     | 8                        | 34.55                       | 13.56 | 39.40   | 14.57 | 48.46   | 16.79 | 53.30 | 17.19 | 58.14   | 17.87 | 67.94   | 19.85 | 77.01 | 11.73 |
|     | 10                       | 34.55                       | 14.00 | 39.40   | 15.04 | 48.46   | 17.33 | 53.30 | 17.74 | 58.14   | 18.45 | 67.94   | 20.50 | 77.01 | 12.11 |
|     | 12                       | 34.55                       | 14.44 | 39.40   | 15.52 | 48.46   | 17.88 | 53.30 | 18.30 | 58.14   | 19.04 | 67.94   | 21.15 | 77.01 | 12.49 |
|     | 14                       | 34.55                       | 14.89 | 39.40   | 16.00 | 48.46   | 18.43 | 53.30 | 18.87 | 58.14   | 19.63 | 67.94   | 21.80 | 77.01 | 12.88 |
|     | 16                       | 34.55                       | 15.34 | 39.40   | 16.48 | 48.46   | 18.99 | 53.30 | 19.44 | 58.14   | 20.22 | 67.94   | 22.46 | 77.01 | 13.27 |
|     | 18                       | 34.55                       | 15.79 | 39.40   | 16.97 | 48.46   | 19.55 | 53.30 | 20.01 | 58.14   | 20.81 | 67.94   | 23.12 | 77.01 | 13.66 |
|     | 20                       | 34.55                       | 16.25 | 39.40   | 17.45 | 48.46   | 20.11 | 53.30 | 20.59 | 58.14   | 21.41 | 67.94   | 23.78 | 77.01 | 14.05 |
|     | 21                       | 34.55                       | 16.48 | 39.40   | 17.70 | 48.46   | 20.39 | 53.30 | 20.88 | 58.14   | 21.72 | 67.94   | 24.12 | 77.01 | 14.25 |
|     | 23                       | 34.55                       | 16.93 | 39.40   | 18.19 | 48.46   | 20.96 | 53.30 | 21.46 | 58.14   | 22.32 | 67.94   | 24.79 | 77.01 | 14.65 |
|     | 25                       | 34.55                       | 17.40 | 39.40   | 18.69 | 48.46   | 21.53 | 53.30 | 22.05 | 58.14   | 22.93 | 67.94   | 25.47 | 77.01 | 15.05 |
|     | 27                       | 34.55                       | 17.86 | 39.40   | 19.19 | 48.46   | 22.11 | 53.30 | 22.64 | 58.14   | 23.54 | 67.94   | 26.15 | 77.01 | 15.45 |
|     | 29                       | 34.55                       | 18.33 | 39.40   | 19.69 | 48.46   | 22.69 | 53.30 | 23.23 | 58.14   | 24.16 | 67.94   | 26.84 | 77.01 | 15.85 |
|     | 31                       | 34.55                       | 18.80 | 39.40   | 20.20 | 48.46   | 23.27 | 53.30 | 23.83 | 58.14   | 24.78 | 67.94   | 27.53 | 77.01 | 16.26 |
|     | 33                       | 34.55                       | 19.28 | 39.40   | 20.71 | 48.46   | 23.86 | 53.30 | 24.43 | 58.14   | 25.41 | 67.94   | 28.22 | 77.01 | 16.67 |
|     | 35                       | 34.55                       | 19.76 | 39.40   | 21.22 | 48.46   | 24.45 | 53.30 | 25.03 | 58.14   | 26.04 | 67.94   | 28.92 | 77.01 | 17.09 |
|     | 37                       | 34.55                       | 20.19 | 39.40   | 21.69 | 48.46   | 25.00 | 53.30 | 25.59 | 58.14   | 26.62 | 67.94   | 29.56 | 77.01 | 17.47 |
|     | 39                       | 34.55                       | 20.64 | 39.40   | 22.17 | 48.46   | 25.54 | 53.30 | 26.15 | 58.14   | 27.20 | 67.94   | 30.21 | 77.01 | 17.85 |
|     | 41                       | 34.55                       | 21.08 | 39.40   | 22.65 | 48.46   | 26.09 | 53.30 | 26.71 | 58.14   | 27.78 | 67.94   | 30.86 | 74.82 | 17.71 |
|     | 43                       | 34.55                       | 21.53 | 39.40   | 23.13 | 48.46   | 26.65 | 53.30 | 27.28 | 58.14   | 28.37 | 63.80   | 29.59 | 69.35 | 16.77 |
|     | 46                       | 34.55                       | 21.98 | 39.40   | 23.61 | 48.46   | 27.20 | 51.10 | 26.70 | 55.20   | 27.50 | 58.76   | 27.83 | 63.88 | 15.77 |
|     | 48                       | 33.93                       | 22.25 | 38.77   | 23.96 | 45.19   | 26.16 | 46.25 | 24.92 | 46.76   | 24.02 | 51.21   | 25.00 | 55.66 | 14.16 |
|     | 50                       | 32.03                       | 21.43 | 35.50   | 22.37 | 39.63   | 23.40 | 41.72 | 22.93 | 43.80   | 22.95 | 47.97   | 23.89 | 52.14 | 13.54 |
|     | 52                       | 30.23                       | 20.63 | 33.15   | 21.31 | 37.05   | 22.32 | 39.00 | 21.86 | 40.96   | 21.89 | 44.86   | 22.79 | 48.76 | 12.91 |
|     | 55                       | 27.22                       | 18.94 | 30.85   | 20.22 | 34.48   | 21.17 | 36.29 | 20.74 | 38.11   | 20.77 | 41.74   | 21.62 | 45.37 | 12.25 |
| 60% | -15                      | 29.60                       | 7.10  | 33.82   | 7.64  | 42.24   | 8.95  | 46.46 | 9.16  | 49.83   | 9.37  | 58.14   | 10.39 | 65.84 | 6.13  |
|     | -10                      | 29.60                       | 7.94  | 33.82   | 8.55  | 42.24   | 10.00 | 46.46 | 10.24 | 49.83   | 10.47 | 58.14   | 11.61 | 65.84 | 6.85  |
|     | -5                       | 29.60                       | 8.79  | 33.82   | 9.47  | 42.24   | 11.08 | 46.46 | 11.34 | 49.83   | 11.60 | 58.14   | 12.86 | 65.84 | 7.59  |
|     | -2                       | 29.60                       | 9.31  | 33.82   | 10.02 | 42.24   | 11.73 | 46.46 | 12.01 | 49.83   | 12.28 | 58.14   | 13.62 | 65.84 | 8.04  |
|     | 0                        | 29.60                       | 9.66  | 33.82   | 10.40 | 42.24   | 12.17 | 46.46 | 12.46 | 49.83   | 12.74 | 58.14   | 14.13 | 65.84 | 8.34  |
|     | 2                        | 29.60                       | 10.01 | 33.82   | 10.78 | 42.24   | 12.61 | 46.46 | 12.91 | 49.83   | 13.20 | 58.14   | 14.64 | 65.84 | 8.64  |
|     | 4                        | 29.60                       | 10.36 | 33.82   | 11.15 | 42.24   | 13.05 | 46.46 | 13.36 | 49.83   | 13.66 | 58.14   | 15.15 | 65.84 | 8.94  |
|     | 6                        | 29.60                       | 10.72 | 33.82   | 11.54 | 42.24   | 13.50 | 46.46 | 13.82 | 49.83   | 14.13 | 58.14   | 15.67 | 65.84 | 9.25  |
|     | 8                        | 29.60                       | 11.07 | 33.82   | 11.92 | 42.24   | 13.95 | 46.46 | 14.28 | 49.83   | 14.60 | 58.14   | 16.20 | 65.84 | 9.56  |
|     | 10                       | 29.60                       | 11.43 | 33.82   | 12.31 | 42.24   | 14.40 | 46.46 | 14.75 | 49.83   | 15.08 | 58.14   | 16.72 | 65.84 | 9.87  |
|     | 12                       | 29.60                       | 6.49  | 33.82   | 6.99  | 42.24   | 8.18  | 46.46 | 8.37  | 49.83   | 8.56  | 58.14   | 9.50  | 65.84 | 10.18 |
|     | 14                       | 29.60                       | 6.69  | 33.82   | 7.21  | 42.24   | 8.43  | 46.46 | 8.63  | 49.83   | 8.83  | 58.14   | 9.79  | 65.84 | 10.50 |
|     | 16                       | 29.60                       | 6.90  | 33.82   | 7.42  | 42.24   | 8.69  | 46.46 | 8.89  | 49.83   | 9.09  | 58.14   | 10.08 | 65.84 | 10.81 |
|     | 18                       | 29.60                       | 7.10  | 33.82   | 7.64  | 42.24   | 8.94  | 46.46 | 9.15  | 49.83   | 9.36  | 58.14   | 10.38 | 65.84 | 11.13 |
|     | 20                       | 29.60                       | 7.30  | 33.82   | 7.86  | 42.24   | 9.20  | 46.46 | 9.42  | 49.83   | 9.63  | 58.14   | 10.68 | 65.84 | 11.45 |
|     | 21                       | 29.60                       | 7.41  | 33.82   | 7.97  | 42.24   | 9.33  | 46.46 | 9.55  | 49.83   | 9.77  | 58.14   | 10.83 | 65.84 | 11.61 |
|     | 23                       | 29.60                       | 7.61  | 33.82   | 8.19  | 42.24   | 9.59  | 46.46 | 9.82  | 49.83   | 10.04 | 58.14   | 11.13 | 65.84 | 11.94 |
|     | 25                       | 29.60                       | 7.82  | 33.82   | 8.42  | 42.24   | 9.85  | 46.46 | 10.08 | 49.83   | 10.31 | 58.14   | 11.44 | 65.84 | 12.26 |
|     | 27                       | 29.60                       | 8.03  | 33.82   | 8.64  | 42.24   | 10.11 | 46.46 | 10.35 | 49.83   | 10.59 | 58.14   | 11.74 | 65.84 | 12.59 |
|     | 29                       | 29.60                       | 8.24  | 33.82   | 8.87  | 42.24   | 10.38 | 46.46 | 10.63 | 49.83   | 10.87 | 58.14   | 12.05 | 65.84 | 12.92 |
|     | 31                       | 29.60                       | 8.45  | 33.82   | 9.10  | 42.24   | 10.65 | 46.46 | 10.90 | 49.83   | 11.15 | 58.14   | 12.36 | 65.84 | 13.26 |
|     | 33                       | 29.60                       | 8.67  | 33.82   | 9.33  | 42.24   | 10.92 | 46.46 | 11.17 | 49.83   | 11.43 | 58.14   | 12.67 | 65.84 | 13.59 |
|     | 35                       | 29.60                       | 8.88  | 33.82   | 9.56  | 42.24   | 11.19 | 46.46 | 11.45 | 49.83   | 11.71 | 58.14   | 12.99 | 65.84 | 13.93 |
|     | 37                       | 29.60                       | 9.08  | 33.82   | 9.77  | 42.24   | 11.43 | 46.46 | 11.71 | 49.83   | 11.97 | 58.14   | 13.28 | 65.84 | 14.24 |
|     | 39                       | 29.60                       | 9.28  | 33.82   | 9.99  | 42.24   | 11.68 | 46.46 | 11.96 | 49.83   | 12.23 | 58.14   | 13.57 | 65.84 | 14.55 |
|     | 41                       | 29.60                       | 9.48  | 33.82   | 10.20 | 42.24   | 11.94 | 46.46 | 12.22 | 49.83   | 12.50 | 58.14   | 13.86 | 65.84 | 14.86 |
|     | 43                       | 29.60                       | 9.68  | 33.82   | 10.42 | 42.24   | 12.19 | 46.46 | 12.48 | 49.83   | 12.76 | 58.14   | 14.15 | 65.84 | 15.18 |
|     | 46                       | 29.60                       | 9.88  | 33.82   | 10.64 | 42.24   | 12.45 | 46.46 | 12.74 | 49.83   | 13.03 | 58.14   | 14.45 | 63.88 | 15.03 |
|     | 48                       | 29.60                       | 10.19 | 33.82   | 10.96 | 42.24   | 12.83 | 44.53 | 12.59 | 46.76   | 12.60 | 51.21   | 13.12 | 55.66 | 13.50 |
|     | 50                       | 29.60                       | 10.39 | 33.82   | 11.19 | 38.14   | 11.82 | 40.15 | 11.58 | 42.16   | 11.59 | 46.17   | 12.07 | 50.19 | 12.42 |
|     | 52                       | 27.07                       | 9.70  | 30.40   | 10.26 | 33.98   | 10.74 | 35.77 | 10.52 | 37.56   | 10.53 | 41.14   | 10.97 | 44.71 | 11.29 |
|     | 55                       | 23.61                       | 8.62  | 26.76   | 9.21  | 29.91   | 9.64  | 31.48 | 9.44  | 33.06   | 9.46  | 36.21   | 9.84  | 39.36 | 10.13 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

# V8 PRO VRF 50Hz



Table2-8.10:26HP cooling capacity(continued)

| CR  | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |      |         |      |         |       |       |       |         |       |         |       |       |       |
|-----|--------------------------|-----------------------------|------|---------|------|---------|-------|-------|-------|---------|-------|---------|-------|-------|-------|
|     |                          | 20.8/14                     |      | 23.3/16 |      | 25.8/18 |       | 27/19 |       | 28.2/20 |       | 30.7/22 |       | 32/24 |       |
|     |                          | TC                          | PI   | TC      | PI   | TC      | PI    | TC    | PI    | TC      | PI    | TC      | PI    | TC    | PI    |
| 50% | -15                      | 24.65                       | 3.08 | 28.13   | 3.31 | 35.18   | 3.88  | 38.77 | 3.98  | 42.24   | 4.13  | 48.46   | 4.51  | 54.99 | 4.84  |
|     | -10                      | 24.65                       | 3.44 | 28.13   | 3.70 | 35.18   | 4.34  | 38.77 | 4.45  | 42.24   | 4.62  | 48.46   | 5.04  | 54.99 | 5.42  |
|     | -5                       | 24.65                       | 3.81 | 28.13   | 4.10 | 35.18   | 4.80  | 38.77 | 4.93  | 42.24   | 5.12  | 48.46   | 5.58  | 54.99 | 6.00  |
|     | -2                       | 24.65                       | 4.04 | 28.13   | 4.34 | 35.18   | 5.09  | 38.77 | 5.22  | 42.24   | 5.42  | 48.46   | 5.91  | 54.99 | 6.35  |
|     | 0                        | 24.65                       | 4.19 | 28.13   | 4.50 | 35.18   | 5.28  | 38.77 | 5.41  | 42.24   | 5.62  | 48.46   | 6.13  | 54.99 | 6.59  |
|     | 2                        | 24.65                       | 4.34 | 28.13   | 4.67 | 35.18   | 5.47  | 38.77 | 5.61  | 42.24   | 5.83  | 48.46   | 6.35  | 54.99 | 6.83  |
|     | 4                        | 24.65                       | 4.49 | 28.13   | 4.83 | 35.18   | 5.66  | 38.77 | 5.81  | 42.24   | 6.03  | 48.46   | 6.58  | 54.99 | 7.07  |
|     | 6                        | 24.65                       | 4.65 | 28.13   | 5.00 | 35.18   | 5.85  | 38.77 | 6.01  | 42.24   | 6.24  | 48.46   | 6.80  | 54.99 | 7.31  |
|     | 8                        | 24.65                       | 4.80 | 28.13   | 5.16 | 35.18   | 6.05  | 38.77 | 6.21  | 42.24   | 6.45  | 48.46   | 7.03  | 54.99 | 7.55  |
|     | 10                       | 24.65                       | 4.96 | 28.13   | 5.33 | 35.18   | 6.25  | 38.77 | 6.41  | 42.24   | 6.66  | 48.46   | 7.26  | 54.99 | 7.80  |
|     | 12                       | 24.65                       | 5.12 | 28.13   | 5.50 | 35.18   | 6.44  | 38.77 | 6.61  | 42.24   | 6.87  | 48.46   | 7.49  | 54.99 | 8.05  |
|     | 14                       | 24.65                       | 5.27 | 28.13   | 5.67 | 35.18   | 6.64  | 38.77 | 6.81  | 42.24   | 7.08  | 48.46   | 7.72  | 54.99 | 8.29  |
|     | 16                       | 24.65                       | 5.43 | 28.13   | 5.84 | 35.18   | 6.84  | 38.77 | 7.02  | 42.24   | 7.29  | 48.46   | 7.95  | 54.99 | 8.54  |
|     | 18                       | 24.65                       | 5.59 | 28.13   | 6.01 | 35.18   | 7.05  | 38.77 | 7.23  | 42.24   | 7.51  | 48.46   | 8.19  | 54.99 | 8.80  |
|     | 20                       | 24.65                       | 5.75 | 28.13   | 6.19 | 35.18   | 7.25  | 38.77 | 7.44  | 42.24   | 7.72  | 48.46   | 8.42  | 54.99 | 9.05  |
|     | 21                       | 24.65                       | 5.84 | 28.13   | 6.27 | 35.18   | 7.35  | 38.77 | 7.54  | 42.24   | 7.83  | 48.46   | 8.54  | 54.99 | 9.18  |
|     | 23                       | 24.65                       | 6.00 | 28.13   | 6.45 | 35.18   | 7.56  | 38.77 | 7.75  | 42.24   | 8.05  | 48.46   | 8.78  | 54.99 | 9.43  |
|     | 25                       | 24.65                       | 6.16 | 28.13   | 6.62 | 35.18   | 7.76  | 38.77 | 7.96  | 42.24   | 8.27  | 48.46   | 9.02  | 54.99 | 9.69  |
|     | 27                       | 24.65                       | 6.33 | 28.13   | 6.80 | 35.18   | 7.97  | 38.77 | 8.17  | 42.24   | 8.49  | 48.46   | 9.26  | 54.99 | 9.95  |
|     | 29                       | 24.65                       | 6.49 | 28.13   | 6.98 | 35.18   | 8.18  | 38.77 | 8.39  | 42.24   | 8.71  | 48.46   | 9.50  | 54.99 | 10.21 |
|     | 31                       | 24.65                       | 6.66 | 28.13   | 7.16 | 35.18   | 8.39  | 38.77 | 8.60  | 42.24   | 8.94  | 48.46   | 9.75  | 54.99 | 10.47 |
|     | 33                       | 24.65                       | 6.83 | 28.13   | 7.34 | 35.18   | 8.60  | 38.77 | 8.82  | 42.24   | 9.16  | 48.46   | 9.99  | 54.99 | 10.74 |
|     | 35                       | 24.65                       | 7.00 | 28.13   | 7.52 | 35.18   | 8.81  | 38.77 | 9.04  | 42.24   | 9.39  | 48.46   | 10.24 | 54.99 | 11.00 |
|     | 37                       | 24.65                       | 7.15 | 28.13   | 7.69 | 35.18   | 9.01  | 38.77 | 9.24  | 42.24   | 9.60  | 48.46   | 10.47 | 54.99 | 11.25 |
|     | 39                       | 24.65                       | 7.31 | 28.13   | 7.86 | 35.18   | 9.21  | 38.77 | 9.44  | 42.24   | 9.81  | 48.46   | 10.70 | 54.99 | 11.49 |
|     | 41                       | 24.65                       | 7.47 | 28.13   | 8.03 | 35.18   | 9.40  | 38.77 | 9.65  | 42.24   | 10.02 | 48.46   | 10.93 | 54.99 | 11.74 |
|     | 43                       | 24.65                       | 7.62 | 28.13   | 8.20 | 35.18   | 9.60  | 38.77 | 9.85  | 42.24   | 10.23 | 48.46   | 11.16 | 54.99 | 11.99 |
|     | 46                       | 24.65                       | 7.78 | 28.13   | 8.37 | 35.18   | 9.81  | 38.77 | 10.06 | 42.24   | 10.45 | 48.46   | 11.39 | 54.99 | 12.24 |
|     | 48                       | 24.65                       | 8.03 | 28.13   | 8.63 | 35.18   | 10.11 | 38.77 | 10.37 | 42.24   | 10.77 | 48.46   | 11.74 | 54.99 | 12.62 |
|     | 50                       | 24.65                       | 8.19 | 28.13   | 8.80 | 35.18   | 10.31 | 38.77 | 10.58 | 42.16   | 10.97 | 46.17   | 11.42 | 50.19 | 11.75 |
|     | 52                       | 24.65                       | 8.35 | 28.13   | 8.98 | 33.98   | 10.16 | 35.77 | 9.95  | 37.56   | 9.97  | 41.14   | 10.37 | 44.71 | 10.68 |
|     | 55                       | 23.54                       | 8.13 | 26.68   | 8.68 | 29.82   | 9.09  | 31.39 | 8.91  | 32.96   | 8.92  | 36.10   | 9.28  | 39.24 | 9.56  |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table2-8.11:28HP cooling capacity

| CR   | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |       |         |       |         |       |       |       |         |       |         |       |        |       |
|------|--------------------------|-----------------------------|-------|---------|-------|---------|-------|-------|-------|---------|-------|---------|-------|--------|-------|
|      |                          | 20.8/14                     |       | 23.3/16 |       | 25.8/18 |       | 27/19 |       | 28.2/20 |       | 30.7/22 |       | 32/24  |       |
|      |                          | TC                          | PI    | TC      | PI    | TC      | PI    | TC    | PI    | TC      | PI    | TC      | PI    | TC     | PI    |
| 130% | -15                      | 62.92                       | 11.03 | 71.94   | 11.88 | 88.22   | 13.64 | 97.02 | 13.97 | 106.03  | 14.55 | 113.89  | 14.86 | 117.86 | 10.78 |
|      | -10                      | 62.92                       | 12.58 | 71.94   | 13.55 | 88.22   | 15.57 | 97.02 | 15.93 | 106.03  | 16.60 | 113.89  | 16.95 | 117.86 | 12.29 |
|      | -5                       | 62.92                       | 14.16 | 71.94   | 15.25 | 88.22   | 17.52 | 97.02 | 17.93 | 106.03  | 18.69 | 113.89  | 19.08 | 117.86 | 13.83 |
|      | -2                       | 62.92                       | 15.11 | 71.94   | 16.28 | 88.22   | 18.71 | 97.02 | 19.15 | 106.03  | 19.95 | 113.89  | 20.37 | 117.86 | 14.77 |
|      | 0                        | 62.92                       | 15.76 | 71.94   | 16.98 | 88.22   | 19.50 | 97.02 | 19.96 | 106.03  | 20.80 | 113.89  | 21.24 | 117.86 | 15.40 |
|      | 2                        | 62.92                       | 16.41 | 71.94   | 17.67 | 88.22   | 20.31 | 97.02 | 20.78 | 106.03  | 21.66 | 113.89  | 22.11 | 117.86 | 16.04 |
|      | 4                        | 62.92                       | 17.06 | 71.94   | 18.38 | 88.22   | 21.11 | 97.02 | 21.61 | 106.03  | 22.52 | 113.89  | 22.99 | 117.86 | 16.67 |
|      | 6                        | 62.92                       | 17.72 | 71.94   | 19.09 | 88.22   | 21.93 | 97.02 | 22.44 | 106.03  | 23.39 | 113.89  | 23.88 | 117.86 | 17.32 |
|      | 8                        | 62.92                       | 18.38 | 71.94   | 19.80 | 88.22   | 22.75 | 97.02 | 23.28 | 106.03  | 24.26 | 113.89  | 24.77 | 117.86 | 17.96 |
|      | 10                       | 62.92                       | 19.05 | 71.94   | 20.52 | 88.22   | 23.57 | 97.02 | 24.12 | 106.03  | 25.14 | 113.89  | 25.66 | 117.86 | 18.61 |
|      | 12                       | 62.92                       | 19.72 | 71.94   | 21.24 | 88.22   | 24.40 | 97.02 | 24.97 | 106.03  | 26.02 | 113.89  | 26.57 | 117.86 | 19.27 |
|      | 14                       | 62.92                       | 20.39 | 71.94   | 21.96 | 88.22   | 25.23 | 97.02 | 25.83 | 106.03  | 26.91 | 113.89  | 27.48 | 117.86 | 19.93 |
|      | 16                       | 62.92                       | 21.07 | 71.94   | 22.70 | 88.22   | 26.07 | 97.02 | 26.69 | 106.03  | 27.81 | 113.89  | 28.39 | 117.86 | 20.59 |
|      | 18                       | 62.92                       | 21.75 | 71.94   | 23.43 | 88.22   | 26.92 | 97.02 | 27.55 | 106.03  | 28.71 | 113.89  | 29.31 | 117.86 | 21.26 |
|      | 20                       | 62.92                       | 22.44 | 71.94   | 24.17 | 88.22   | 27.77 | 97.02 | 28.42 | 106.03  | 29.62 | 113.89  | 30.24 | 117.86 | 21.93 |
|      | 21                       | 62.92                       | 22.79 | 71.94   | 24.54 | 88.22   | 28.20 | 97.02 | 28.86 | 106.03  | 30.08 | 113.89  | 30.70 | 117.86 | 22.27 |
|      | 23                       | 62.92                       | 23.48 | 71.94   | 25.29 | 88.22   | 29.06 | 97.02 | 29.74 | 106.03  | 30.99 | 113.89  | 31.64 | 117.86 | 22.95 |
|      | 25                       | 62.92                       | 24.18 | 71.94   | 26.05 | 88.22   | 29.92 | 97.02 | 30.63 | 106.03  | 31.92 | 113.89  | 32.58 | 117.86 | 23.63 |
|      | 27                       | 62.92                       | 24.88 | 71.94   | 26.80 | 88.22   | 30.79 | 97.02 | 31.52 | 106.03  | 32.84 | 113.89  | 33.53 | 117.86 | 24.32 |
|      | 29                       | 62.92                       | 25.59 | 71.94   | 27.57 | 88.22   | 31.67 | 97.02 | 32.41 | 106.03  | 33.78 | 113.89  | 34.48 | 117.86 | 25.01 |
|      | 31                       | 62.92                       | 26.30 | 71.94   | 28.33 | 88.22   | 32.55 | 97.02 | 33.32 | 103.45  | 33.88 | 113.31  | 35.26 | 117.86 | 25.71 |
|      | 33                       | 62.92                       | 27.02 | 71.94   | 29.11 | 87.15   | 33.03 | 91.73 | 32.36 | 96.32   | 32.40 | 105.49  | 33.73 | 114.66 | 25.69 |
|      | 35                       | 62.92                       | 27.74 | 71.94   | 29.88 | 84.36   | 32.83 | 86.35 | 31.28 | 89.18   | 30.80 | 97.68   | 32.06 | 106.17 | 24.42 |
|      | 37                       | 62.92                       | 28.40 | 70.42   | 29.95 | 82.96   | 33.05 | 85.07 | 31.54 | 86.93   | 30.74 | 94.94   | 31.90 | 103.20 | 24.30 |
|      | 39                       | 61.63                       | 28.47 | 70.54   | 30.70 | 80.14   | 32.67 | 81.90 | 31.08 | 84.99   | 30.75 | 93.09   | 32.01 | 101.18 | 24.38 |
|      | 41                       | 61.75                       | 29.18 | 70.54   | 31.40 | 77.21   | 32.20 | 79.33 | 30.79 | 83.30   | 30.83 | 91.23   | 32.09 | 99.16  | 24.45 |
|      | 43                       | 61.86                       | 29.89 | 67.14   | 30.56 | 73.83   | 31.49 | 77.72 | 30.85 | 81.60   | 30.88 | 89.38   | 32.15 | 97.15  | 24.49 |
|      | 46                       | 58.23                       | 28.76 | 64.69   | 30.10 | 72.30   | 31.52 | 76.11 | 30.88 | 79.91   | 30.91 | 87.52   | 32.18 | 95.13  | 24.51 |
|      | 48                       | 51.33                       | 26.19 | 58.18   | 27.96 | 65.02   | 29.28 | 68.44 | 28.68 | 71.87   | 28.72 | 78.71   | 29.89 | 85.56  | 22.77 |
|      | 50                       | 47.50                       | 24.75 | 53.84   | 26.43 | 60.17   | 27.67 | 63.34 | 27.11 | 66.50   | 27.14 | 72.84   | 28.25 | 79.17  | 21.52 |
|      | 52                       | 43.67                       | 23.23 | 49.50   | 24.81 | 55.32   | 25.98 | 58.23 | 25.45 | 61.14   | 25.48 | 66.96   | 26.52 | 72.79  | 20.20 |
|      | 55                       | 39.84                       | 21.64 | 45.15   | 23.10 | 50.47   | 24.19 | 53.12 | 23.70 | 55.78   | 23.73 | 61.09   | 24.70 | 66.40  | 18.81 |
| 120% | -15                      | 59.05                       | 10.79 | 67.49   | 11.61 | 83.07   | 13.39 | 91.15 | 13.68 | 99.48   | 14.23 | 111.78  | 15.20 | 113.89 | 10.85 |
|      | -10                      | 59.05                       | 12.30 | 67.49   | 13.25 | 83.07   | 15.28 | 91.15 | 15.60 | 99.48   | 16.24 | 111.78  | 17.34 | 113.89 | 12.38 |
|      | -5                       | 59.05                       | 13.85 | 67.49   | 14.91 | 83.07   | 17.19 | 91.15 | 17.56 | 99.48   | 18.27 | 111.78  | 19.52 | 113.89 | 13.93 |
|      | -2                       | 59.05                       | 14.79 | 67.49   | 15.92 | 83.07   | 18.36 | 91.15 | 18.75 | 99.48   | 19.51 | 111.78  | 20.84 | 113.89 | 14.88 |
|      | 0                        | 59.05                       | 15.42 | 67.49   | 16.60 | 83.07   | 19.14 | 91.15 | 19.55 | 99.48   | 20.34 | 111.78  | 21.73 | 113.89 | 15.51 |
|      | 2                        | 59.05                       | 16.05 | 67.49   | 17.28 | 83.07   | 19.93 | 91.15 | 20.35 | 99.48   | 21.18 | 111.78  | 22.62 | 113.89 | 16.15 |
|      | 4                        | 59.05                       | 16.69 | 67.49   | 17.97 | 83.07   | 20.72 | 91.15 | 21.16 | 99.48   | 22.02 | 111.78  | 23.52 | 113.89 | 16.79 |
|      | 6                        | 59.05                       | 17.33 | 67.49   | 18.66 | 83.07   | 21.52 | 91.15 | 21.98 | 99.48   | 22.87 | 111.78  | 24.43 | 113.89 | 17.44 |
|      | 8                        | 59.05                       | 17.98 | 67.49   | 19.36 | 83.07   | 22.32 | 91.15 | 22.80 | 99.48   | 23.73 | 111.78  | 25.34 | 113.89 | 18.09 |
|      | 10                       | 59.05                       | 18.63 | 67.49   | 20.06 | 83.07   | 23.13 | 91.15 | 23.62 | 99.48   | 24.59 | 111.78  | 26.26 | 113.89 | 18.75 |
|      | 12                       | 59.05                       | 19.29 | 67.49   | 20.77 | 83.07   | 23.95 | 91.15 | 24.46 | 99.48   | 25.45 | 111.78  | 27.18 | 113.89 | 19.41 |
|      | 14                       | 59.05                       | 19.95 | 67.49   | 21.48 | 83.07   | 24.77 | 91.15 | 25.29 | 99.48   | 26.32 | 111.78  | 28.11 | 113.89 | 20.07 |
|      | 16                       | 59.05                       | 20.61 | 67.49   | 22.19 | 83.07   | 25.59 | 91.15 | 26.13 | 99.48   | 27.20 | 111.78  | 29.05 | 113.89 | 20.74 |
|      | 18                       | 59.05                       | 21.28 | 67.49   | 22.91 | 83.07   | 26.42 | 91.15 | 26.98 | 99.48   | 28.08 | 111.78  | 29.99 | 113.89 | 21.41 |
|      | 20                       | 59.05                       | 21.95 | 67.49   | 23.64 | 83.07   | 27.26 | 91.15 | 27.83 | 99.48   | 28.97 | 111.78  | 30.94 | 113.89 | 22.09 |
|      | 21                       | 59.05                       | 22.29 | 67.49   | 24.00 | 83.07   | 27.68 | 91.15 | 28.26 | 99.48   | 29.41 | 111.78  | 31.41 | 113.89 | 22.43 |
|      | 23                       | 59.05                       | 22.97 | 67.49   | 24.73 | 83.07   | 28.52 | 91.15 | 29.12 | 99.48   | 30.31 | 111.78  | 32.37 | 113.89 | 23.11 |
|      | 25                       | 59.05                       | 23.65 | 67.49   | 25.47 | 83.07   | 29.37 | 91.15 | 29.99 | 99.48   | 31.21 | 111.78  | 33.33 | 113.89 | 23.80 |
|      | 27                       | 59.05                       | 24.34 | 67.49   | 26.21 | 83.07   | 30.22 | 91.15 | 30.86 | 99.48   | 32.12 | 111.78  | 34.30 | 113.89 | 24.49 |
|      | 29                       | 59.05                       | 25.03 | 67.49   | 26.96 | 83.07   | 31.08 | 91.15 | 31.74 | 99.48   | 33.03 | 111.78  | 35.28 | 113.89 | 25.19 |
|      | 31                       | 59.05                       | 25.73 | 67.49   | 27.71 | 83.07   | 31.95 | 91.15 | 32.63 | 99.48   | 33.95 | 110.27  | 35.77 | 113.89 | 25.89 |
|      | 33                       | 59.05                       | 26.43 | 67.49   | 28.46 | 83.07   | 32.82 | 89.27 | 32.83 | 93.74   | 32.87 | 102.66  | 34.21 | 111.59 | 26.06 |
|      | 35                       | 59.05                       | 27.14 | 67.49   | 29.22 | 82.84   | 33.60 | 84.83 | 32.03 | 86.79   | 31.25 | 95.06   | 32.52 | 103.33 | 24.78 |
|      | 37                       | 59.05                       | 27.78 | 67.49   | 29.92 | 81.78   | 33.96 | 83.54 | 32.29 | 85.42   | 31.48 | 91.94   | 32.20 | 99.94  | 24.53 |
|      | 39                       | 59.05                       | 28.43 | 67.49   | 30.61 | 79.09   | 33.61 | 80.61 | 31.88 | 82.37   | 31.06 | 90.15   | 32.31 | 97.99  | 24.61 |
|      | 41                       | 57.99                       | 28.56 | 66.20   | 30.72 | 76.27   | 33.15 | 77.68 | 31.43 | 80.67   | 31.12 | 88.35   | 32.39 | 96.03  | 24.68 |
|      | 43                       | 57.99                       | 29.21 | 64.33   | 30.52 | 71.50   | 31.78 | 75.26 | 31.14 | 79.03   | 31.18 | 86.55   | 32.45 | 94.08  | 24.72 |
|      | 46                       | 56.35                       | 29.01 | 62.65   | 30.39 | 70.02   | 31.82 | 73.70 | 31.17 | 77.39   | 31.21 | 84.76   | 32.48 | 92.13  | 24.74 |
|      | 48                       | 50.62                       | 26.92 | 56.34   | 28.22 | 62.97   | 29.55 | 66.28 | 28.95 | 69.60   | 28.99 | 76.23   | 30.17 | 82.85  | 22.99 |
|      | 50                       | 46.00                       | 24.98 | 52.14   | 26.68 | 58.27   | 27.93 | 61.34 | 27.36 | 64.40   | 27.40 | 70.54   | 28.52 | 76.67  | 21.73 |
|      | 52                       | 42.29                       | 23.45 | 47.93   | 25.04 | 53.57   | 26.22 | 56.39 | 25.69 | 59.21   | 25.72 | 64.85   | 26.77 | 70.49  | 20.39 |
|      | 55                       | 38.58                       | 21.84 | 43.73   | 23.32 | 48.87   | 24.42 | 51.45 | 23.92 | 54.02   | 23.95 | 59.16   | 24.93 | 64.31  | 18.99 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

## V8 PRO VRF 50Hz



Table2-8.11:28HP cooling capacity(continued)

| CR   | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |       |         |       |         |       |       |       |         |       |         |       |        |       |
|------|--------------------------|-----------------------------|-------|---------|-------|---------|-------|-------|-------|---------|-------|---------|-------|--------|-------|
|      |                          | 20.8/14                     |       | 23.3/16 |       | 25.8/18 |       | 27/19 |       | 28.2/20 |       | 30.7/22 |       | 32/24  |       |
|      |                          | TC                          | PI    | TC      | PI    | TC      | PI    | TC    | PI    | TC      | PI    | TC      | PI    | TC     | PI    |
| 110% | -15                      | 55.06                       | 10.51 | 62.92   | 11.31 | 77.56   | 13.07 | 85.07 | 13.34 | 93.03   | 13.91 | 108.03  | 15.35 | 111.43 | 11.10 |
|      | -10                      | 55.06                       | 11.99 | 62.92   | 12.91 | 77.56   | 14.91 | 85.07 | 15.22 | 93.03   | 15.87 | 108.03  | 17.51 | 111.43 | 12.66 |
|      | -5                       | 55.06                       | 13.49 | 62.92   | 14.53 | 77.56   | 16.77 | 85.07 | 17.12 | 93.03   | 17.86 | 108.03  | 19.71 | 111.43 | 14.25 |
|      | -2                       | 55.06                       | 14.41 | 62.92   | 15.51 | 77.56   | 17.91 | 85.07 | 18.28 | 93.03   | 19.07 | 108.03  | 21.04 | 111.43 | 15.21 |
|      | 0                        | 55.06                       | 15.02 | 62.92   | 16.17 | 77.56   | 18.67 | 85.07 | 19.06 | 93.03   | 19.88 | 108.03  | 21.94 | 111.43 | 15.86 |
|      | 2                        | 55.06                       | 15.64 | 62.92   | 16.84 | 77.56   | 19.44 | 85.07 | 19.85 | 93.03   | 20.70 | 108.03  | 22.84 | 111.43 | 16.51 |
|      | 4                        | 55.06                       | 16.26 | 62.92   | 17.51 | 77.56   | 20.22 | 85.07 | 20.64 | 93.03   | 21.52 | 108.03  | 23.75 | 111.43 | 17.17 |
|      | 6                        | 55.06                       | 16.89 | 62.92   | 18.18 | 77.56   | 21.00 | 85.07 | 21.43 | 93.03   | 22.35 | 108.03  | 24.67 | 111.43 | 17.83 |
|      | 8                        | 55.06                       | 17.52 | 62.92   | 18.86 | 77.56   | 21.78 | 85.07 | 22.23 | 93.03   | 23.18 | 108.03  | 25.59 | 111.43 | 18.50 |
|      | 10                       | 55.06                       | 18.15 | 62.92   | 19.54 | 77.56   | 22.57 | 85.07 | 23.04 | 93.03   | 24.02 | 108.03  | 26.51 | 111.43 | 19.17 |
|      | 12                       | 55.06                       | 18.79 | 62.92   | 20.23 | 77.56   | 23.36 | 85.07 | 23.85 | 93.03   | 24.87 | 108.03  | 27.45 | 111.43 | 19.84 |
|      | 14                       | 55.06                       | 19.43 | 62.92   | 20.92 | 77.56   | 24.16 | 85.07 | 24.66 | 93.03   | 25.72 | 108.03  | 28.39 | 111.43 | 20.52 |
|      | 16                       | 55.06                       | 20.08 | 62.92   | 21.62 | 77.56   | 24.97 | 85.07 | 25.49 | 93.03   | 26.58 | 108.03  | 29.33 | 111.43 | 21.20 |
|      | 18                       | 55.06                       | 20.73 | 62.92   | 22.32 | 77.56   | 25.78 | 85.07 | 26.31 | 93.03   | 27.44 | 108.03  | 30.28 | 111.43 | 21.89 |
|      | 20                       | 55.06                       | 21.39 | 62.92   | 23.03 | 77.56   | 26.59 | 85.07 | 27.14 | 93.03   | 28.31 | 108.03  | 31.24 | 111.43 | 22.58 |
|      | 21                       | 55.06                       | 21.72 | 62.92   | 23.38 | 77.56   | 27.00 | 85.07 | 27.56 | 93.03   | 28.74 | 108.03  | 31.72 | 111.43 | 22.93 |
|      | 23                       | 55.06                       | 22.38 | 62.92   | 24.09 | 77.56   | 27.82 | 85.07 | 28.40 | 93.03   | 29.62 | 108.03  | 32.69 | 111.43 | 23.63 |
|      | 25                       | 55.06                       | 23.04 | 62.92   | 24.81 | 77.56   | 28.65 | 85.07 | 29.25 | 93.03   | 30.50 | 108.03  | 33.66 | 111.43 | 24.33 |
|      | 27                       | 55.06                       | 23.72 | 62.92   | 25.53 | 77.56   | 29.49 | 85.07 | 30.10 | 93.03   | 31.39 | 108.03  | 34.64 | 111.43 | 25.04 |
|      | 29                       | 55.06                       | 24.39 | 62.92   | 26.26 | 77.56   | 30.32 | 85.07 | 30.96 | 93.03   | 32.28 | 108.03  | 35.63 | 111.43 | 25.75 |
|      | 31                       | 55.06                       | 25.07 | 62.92   | 26.99 | 77.56   | 31.17 | 85.07 | 31.82 | 93.03   | 33.18 | 105.24  | 35.67 | 111.43 | 26.47 |
|      | 33                       | 55.06                       | 25.75 | 62.92   | 27.73 | 77.56   | 32.02 | 85.07 | 32.69 | 89.46   | 32.78 | 97.98   | 34.12 | 106.50 | 25.99 |
|      | 35                       | 55.06                       | 26.44 | 62.92   | 28.47 | 77.21   | 32.73 | 83.19 | 32.82 | 84.95   | 31.95 | 90.73   | 32.44 | 98.62  | 24.71 |
|      | 37                       | 55.06                       | 27.07 | 62.92   | 29.14 | 77.21   | 33.50 | 81.90 | 33.07 | 83.78   | 32.26 | 87.96   | 32.19 | 95.61  | 24.52 |
|      | 39                       | 55.06                       | 27.70 | 62.92   | 29.82 | 77.21   | 34.28 | 79.44 | 32.83 | 80.85   | 31.86 | 86.24   | 32.30 | 93.74  | 24.61 |
|      | 41                       | 55.06                       | 28.34 | 62.92   | 30.51 | 74.16   | 33.69 | 76.51 | 32.34 | 78.03   | 31.45 | 84.53   | 32.38 | 91.88  | 24.67 |
|      | 43                       | 54.02                       | 28.43 | 61.75   | 30.61 | 70.42   | 32.71 | 72.01 | 31.13 | 75.61   | 31.16 | 82.81   | 32.44 | 90.01  | 24.71 |
|      | 46                       | 54.02                       | 29.06 | 59.94   | 30.37 | 66.99   | 31.80 | 70.51 | 31.16 | 74.04   | 31.20 | 81.09   | 32.47 | 88.14  | 24.74 |
|      | 48                       | 49.91                       | 27.73 | 53.90   | 28.22 | 60.24   | 29.54 | 63.41 | 28.94 | 66.59   | 28.98 | 72.93   | 30.16 | 79.27  | 22.98 |
|      | 50                       | 44.01                       | 24.98 | 49.88   | 26.67 | 55.75   | 27.92 | 58.68 | 27.36 | 61.62   | 27.39 | 67.49   | 28.51 | 73.35  | 21.72 |
|      | 52                       | 40.46                       | 23.45 | 45.86   | 25.03 | 51.25   | 26.21 | 53.95 | 25.68 | 56.65   | 25.71 | 62.04   | 26.76 | 67.44  | 20.39 |
|      | 55                       | 36.91                       | 21.83 | 41.84   | 23.31 | 46.76   | 24.41 | 49.22 | 23.91 | 51.68   | 23.94 | 56.60   | 24.92 | 61.52  | 18.99 |
| 100% | -15                      | 50.97                       | 10.19 | 58.23   | 10.97 | 71.70   | 12.65 | 78.62 | 12.91 | 85.77   | 13.43 | 100.18  | 14.91 | 107.79 | 11.24 |
|      | -10                      | 50.97                       | 11.62 | 58.23   | 12.51 | 71.70   | 14.43 | 78.62 | 14.73 | 85.77   | 15.32 | 100.18  | 17.01 | 107.79 | 12.83 |
|      | -5                       | 50.97                       | 13.08 | 58.23   | 14.08 | 71.70   | 16.24 | 78.62 | 16.58 | 85.77   | 17.24 | 100.18  | 19.14 | 107.79 | 14.43 |
|      | -2                       | 50.97                       | 13.97 | 58.23   | 15.04 | 71.70   | 17.34 | 78.62 | 17.70 | 85.77   | 18.41 | 100.18  | 20.44 | 107.79 | 15.41 |
|      | 0                        | 50.97                       | 14.56 | 58.23   | 15.68 | 71.70   | 18.08 | 78.62 | 18.45 | 85.77   | 19.20 | 100.18  | 21.31 | 107.79 | 16.07 |
|      | 2                        | 50.97                       | 15.16 | 58.23   | 16.32 | 71.70   | 18.83 | 78.62 | 19.21 | 85.77   | 19.99 | 100.18  | 22.19 | 107.79 | 16.73 |
|      | 4                        | 50.97                       | 15.77 | 58.23   | 16.97 | 71.70   | 19.58 | 78.62 | 19.98 | 85.77   | 20.78 | 100.18  | 23.07 | 107.79 | 17.40 |
|      | 6                        | 50.97                       | 16.37 | 58.23   | 17.62 | 71.70   | 20.33 | 78.62 | 20.75 | 85.77   | 21.58 | 100.18  | 23.96 | 107.79 | 18.07 |
|      | 8                        | 50.97                       | 16.99 | 58.23   | 18.28 | 71.70   | 21.09 | 78.62 | 21.52 | 85.77   | 22.39 | 100.18  | 24.85 | 107.79 | 18.74 |
|      | 10                       | 50.97                       | 17.60 | 58.23   | 18.95 | 71.70   | 21.85 | 78.62 | 22.30 | 85.77   | 23.20 | 100.18  | 25.76 | 107.79 | 19.42 |
|      | 12                       | 50.97                       | 18.22 | 58.23   | 19.61 | 71.70   | 22.62 | 78.62 | 23.09 | 85.77   | 24.02 | 100.18  | 26.66 | 107.79 | 20.10 |
|      | 14                       | 50.97                       | 18.84 | 58.23   | 20.28 | 71.70   | 23.40 | 78.62 | 23.88 | 85.77   | 24.84 | 100.18  | 27.57 | 107.79 | 20.79 |
|      | 16                       | 50.97                       | 19.47 | 58.23   | 20.96 | 71.70   | 24.18 | 78.62 | 24.67 | 85.77   | 25.67 | 100.18  | 28.49 | 107.79 | 21.48 |
|      | 18                       | 50.97                       | 20.10 | 58.23   | 21.64 | 71.70   | 24.96 | 78.62 | 25.47 | 85.77   | 26.50 | 100.18  | 29.42 | 107.79 | 22.18 |
|      | 20                       | 50.97                       | 20.74 | 58.23   | 22.32 | 71.70   | 25.75 | 78.62 | 26.28 | 85.77   | 27.34 | 100.18  | 30.35 | 107.79 | 22.88 |
|      | 21                       | 50.97                       | 21.06 | 58.23   | 22.67 | 71.70   | 26.15 | 78.62 | 26.68 | 85.77   | 27.76 | 100.18  | 30.81 | 107.79 | 23.23 |
|      | 23                       | 50.97                       | 21.70 | 58.23   | 23.36 | 71.70   | 26.94 | 78.62 | 27.50 | 85.77   | 28.60 | 100.18  | 31.75 | 107.79 | 23.94 |
|      | 25                       | 50.97                       | 22.35 | 58.23   | 24.05 | 71.70   | 27.75 | 78.62 | 28.31 | 85.77   | 29.45 | 100.18  | 32.70 | 107.79 | 24.66 |
|      | 27                       | 50.97                       | 23.00 | 58.23   | 24.75 | 71.70   | 28.55 | 78.62 | 29.14 | 85.77   | 30.31 | 100.18  | 33.65 | 107.79 | 25.37 |
|      | 29                       | 50.97                       | 23.65 | 58.23   | 25.46 | 71.70   | 29.36 | 78.62 | 29.97 | 85.77   | 31.17 | 100.18  | 34.61 | 107.79 | 26.09 |
|      | 31                       | 50.97                       | 24.31 | 58.23   | 26.16 | 71.70   | 30.18 | 78.62 | 30.80 | 85.77   | 32.04 | 100.18  | 35.57 | 107.79 | 26.82 |
|      | 33                       | 50.97                       | 24.97 | 58.23   | 26.88 | 71.70   | 31.01 | 78.62 | 31.64 | 85.77   | 32.92 | 97.50   | 35.56 | 105.98 | 27.09 |
|      | 35                       | 50.97                       | 25.64 | 58.23   | 27.60 | 71.70   | 31.83 | 78.50 | 32.44 | 82.96   | 32.69 | 90.27   | 33.81 | 98.13  | 25.75 |
|      | 37                       | 50.97                       | 26.25 | 58.23   | 28.25 | 71.70   | 32.59 | 78.62 | 33.26 | 81.78   | 32.99 | 88.55   | 33.95 | 96.24  | 25.86 |
|      | 39                       | 50.97                       | 26.86 | 58.23   | 28.91 | 71.70   | 33.35 | 78.50 | 33.98 | 79.56   | 32.84 | 86.82   | 34.06 | 94.36  | 25.94 |
|      | 41                       | 50.97                       | 27.48 | 58.23   | 29.57 | 71.35   | 33.95 | 75.57 | 33.46 | 77.69   | 32.80 | 85.09   | 34.15 | 92.48  | 26.01 |
|      | 43                       | 50.97                       | 28.10 | 58.23   | 30.24 | 68.86   | 33.50 | 72.48 | 32.82 | 76.11   | 32.86 | 83.36   | 34.21 | 90.60  | 26.06 |
|      | 46                       | 50.97                       | 28.72 | 58.23   | 30.91 | 67.43   | 33.54 | 70.98 | 32.85 | 74.53   | 32.89 | 81.63   | 34.24 | 88.72  | 26.08 |
|      | 48                       | 47.88                       | 27.86 | 54.26   | 29.75 | 60.64   | 31.15 | 63.83 | 30.52 | 67.03   | 30.55 | 73.41   | 31.81 | 79.79  | 24.23 |
|      | 50                       | 44.30                       | 26.34 | 50.21   | 28.12 | 56.12   | 29.44 | 59.07 | 28.84 | 62.02   | 28.88 | 67.93   | 30.06 | 73.84  | 22.90 |
|      | 52                       | 40.73                       | 24.72 | 46.16   | 26.40 | 51.59   | 27.64 | 54.31 | 27.08 | 57.02   | 27.11 | 62.45   | 28.22 | 67.88  | 21.50 |
|      | 55                       | 37.16                       | 23.02 | 42.11   | 24.58 | 47.07   | 25.74 | 49.54 | 25.22 | 52.02   | 25.25 | 56.98   | 26.28 | 61.93  | 20.02 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.11:28HP cooling capacity(continued)

| CR  | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |       |         |       |         |       |       |       |         |       |         |       |        |       |
|-----|--------------------------|-----------------------------|-------|---------|-------|---------|-------|-------|-------|---------|-------|---------|-------|--------|-------|
|     |                          | 20.8/14                     |       | 23.3/16 |       | 25.8/18 |       | 27/19 |       | 28.2/20 |       | 30.7/22 |       | 32/24  |       |
|     |                          | TC                          | PI    | TC      | PI    | TC      | PI    | TC    | PI    | TC      | PI    | TC      | PI    | TC     | PI    |
| 90% | -15                      | 45.81                       | 8.86  | 52.38   | 9.55  | 65.50   | 11.18 | 71.35 | 11.34 | 77.45   | 11.73 | 89.98   | 12.96 | 102.99 | 10.39 |
|     | -10                      | 45.81                       | 10.11 | 52.38   | 10.89 | 65.50   | 12.76 | 71.35 | 12.93 | 77.45   | 13.39 | 89.98   | 14.78 | 102.99 | 11.86 |
|     | -5                       | 45.81                       | 11.38 | 52.38   | 12.25 | 65.50   | 14.36 | 71.35 | 14.56 | 77.45   | 15.07 | 89.98   | 16.64 | 102.99 | 13.34 |
|     | -2                       | 45.81                       | 12.15 | 52.38   | 13.09 | 65.50   | 15.33 | 71.35 | 15.54 | 77.45   | 16.09 | 89.98   | 17.76 | 102.99 | 14.25 |
|     | 0                        | 45.81                       | 12.66 | 52.38   | 13.64 | 65.50   | 15.98 | 71.35 | 16.20 | 77.45   | 16.77 | 89.98   | 18.52 | 102.99 | 14.86 |
|     | 2                        | 45.81                       | 13.19 | 52.38   | 14.20 | 65.50   | 16.64 | 71.35 | 16.87 | 77.45   | 17.46 | 89.98   | 19.28 | 102.99 | 15.47 |
|     | 4                        | 45.81                       | 13.71 | 52.38   | 14.77 | 65.50   | 17.30 | 71.35 | 17.54 | 77.45   | 18.16 | 89.98   | 20.05 | 102.99 | 16.08 |
|     | 6                        | 45.81                       | 14.24 | 52.38   | 15.34 | 65.50   | 17.97 | 71.35 | 18.22 | 77.45   | 18.86 | 89.98   | 20.82 | 102.99 | 16.70 |
|     | 8                        | 45.81                       | 14.77 | 52.38   | 15.91 | 65.50   | 18.64 | 71.35 | 18.90 | 77.45   | 19.56 | 89.98   | 21.60 | 102.99 | 17.33 |
|     | 10                       | 45.81                       | 15.31 | 52.38   | 16.49 | 65.50   | 19.32 | 71.35 | 19.58 | 77.45   | 20.27 | 89.98   | 22.38 | 102.99 | 17.95 |
|     | 12                       | 45.81                       | 15.84 | 52.38   | 17.07 | 65.50   | 20.00 | 71.35 | 20.27 | 77.45   | 20.98 | 89.98   | 23.17 | 102.99 | 18.58 |
|     | 14                       | 45.81                       | 16.39 | 52.38   | 17.65 | 65.50   | 20.68 | 71.35 | 20.97 | 77.45   | 21.70 | 89.98   | 23.96 | 102.99 | 19.22 |
|     | 16                       | 45.81                       | 16.93 | 52.38   | 18.24 | 65.50   | 21.37 | 71.35 | 21.66 | 77.45   | 22.42 | 89.98   | 24.76 | 102.99 | 19.86 |
|     | 18                       | 45.81                       | 17.48 | 52.38   | 18.83 | 65.50   | 22.06 | 71.35 | 22.37 | 77.45   | 23.15 | 89.98   | 25.56 | 102.99 | 20.50 |
|     | 20                       | 45.81                       | 18.03 | 52.38   | 19.43 | 65.50   | 22.76 | 71.35 | 23.07 | 77.45   | 23.88 | 89.98   | 26.37 | 102.99 | 21.15 |
|     | 21                       | 45.81                       | 18.31 | 52.38   | 19.73 | 65.50   | 23.11 | 71.35 | 23.43 | 77.45   | 24.25 | 89.98   | 26.78 | 102.99 | 21.48 |
|     | 23                       | 45.81                       | 18.87 | 52.38   | 20.33 | 65.50   | 23.81 | 71.35 | 24.14 | 77.45   | 24.99 | 89.98   | 27.59 | 102.99 | 22.13 |
|     | 25                       | 45.81                       | 19.43 | 52.38   | 20.93 | 65.50   | 24.52 | 71.35 | 24.86 | 77.45   | 25.73 | 89.98   | 28.41 | 102.99 | 22.79 |
|     | 27                       | 45.81                       | 20.00 | 52.38   | 21.54 | 65.50   | 25.24 | 71.35 | 25.58 | 77.45   | 26.48 | 89.98   | 29.24 | 102.99 | 23.45 |
|     | 29                       | 45.81                       | 20.57 | 52.38   | 22.15 | 65.50   | 25.95 | 71.35 | 26.31 | 77.45   | 27.23 | 89.98   | 30.07 | 102.99 | 24.12 |
|     | 31                       | 45.81                       | 21.14 | 52.38   | 22.77 | 65.50   | 26.68 | 71.35 | 27.05 | 77.45   | 27.99 | 89.98   | 30.91 | 102.99 | 24.79 |
|     | 33                       | 45.81                       | 21.71 | 52.38   | 23.39 | 65.50   | 27.40 | 71.35 | 27.78 | 77.45   | 28.76 | 89.98   | 31.75 | 102.99 | 25.47 |
|     | 35                       | 45.81                       | 22.30 | 52.38   | 24.02 | 65.50   | 28.14 | 71.35 | 28.53 | 77.45   | 29.53 | 89.98   | 32.60 | 98.13  | 24.92 |
|     | 37                       | 45.81                       | 22.82 | 52.38   | 24.59 | 65.50   | 28.80 | 71.35 | 29.20 | 77.45   | 30.23 | 84.86   | 31.48 | 92.24  | 23.98 |
|     | 39                       | 45.81                       | 23.36 | 52.38   | 25.16 | 65.50   | 29.48 | 70.65 | 29.59 | 77.09   | 30.79 | 80.26   | 30.46 | 86.35  | 22.97 |
|     | 41                       | 45.81                       | 23.89 | 52.38   | 25.74 | 64.21   | 29.56 | 70.65 | 30.27 | 74.28   | 30.34 | 77.68   | 30.16 | 84.28  | 22.93 |
|     | 43                       | 45.81                       | 24.43 | 52.38   | 26.32 | 64.21   | 30.22 | 67.84 | 29.72 | 70.65   | 29.51 | 75.96   | 30.16 | 82.56  | 22.97 |
|     | 46                       | 45.81                       | 24.97 | 52.38   | 26.90 | 61.45   | 29.57 | 64.68 | 28.97 | 67.91   | 29.00 | 74.38   | 30.19 | 80.85  | 23.00 |
|     | 48                       | 43.63                       | 24.56 | 49.44   | 26.23 | 55.26   | 27.46 | 58.17 | 26.91 | 61.08   | 26.94 | 66.89   | 28.04 | 72.71  | 21.36 |
|     | 50                       | 40.89                       | 23.52 | 45.75   | 24.79 | 51.14   | 25.96 | 53.83 | 25.43 | 56.52   | 25.46 | 61.90   | 26.50 | 67.29  | 20.19 |
|     | 52                       | 37.12                       | 21.80 | 42.06   | 23.27 | 47.01   | 24.37 | 49.49 | 23.87 | 51.96   | 23.90 | 56.91   | 24.88 | 61.86  | 18.95 |
|     | 55                       | 33.86                       | 20.30 | 38.38   | 21.67 | 42.89   | 22.69 | 45.15 | 22.23 | 47.41   | 22.26 | 51.92   | 23.17 | 56.43  | 17.65 |
| 80% | -15                      | 40.77                       | 7.59  | 46.63   | 8.18  | 58.23   | 9.57  | 64.09 | 9.81  | 69.84   | 10.19 | 80.03   | 11.10 | 92.44  | 8.98  |
|     | -10                      | 40.77                       | 8.66  | 46.63   | 9.33  | 58.23   | 10.92 | 64.09 | 11.19 | 69.84   | 11.62 | 80.03   | 12.66 | 92.44  | 10.25 |
|     | -5                       | 40.77                       | 9.75  | 46.63   | 10.50 | 58.23   | 12.29 | 64.09 | 12.59 | 69.84   | 13.08 | 80.03   | 14.25 | 92.44  | 11.53 |
|     | -2                       | 40.77                       | 10.41 | 46.63   | 11.22 | 58.23   | 13.12 | 64.09 | 13.44 | 69.84   | 13.97 | 80.03   | 15.21 | 92.44  | 12.31 |
|     | 0                        | 40.77                       | 10.85 | 46.63   | 11.69 | 58.23   | 13.68 | 64.09 | 14.01 | 69.84   | 14.56 | 80.03   | 15.86 | 92.44  | 12.84 |
|     | 2                        | 40.77                       | 11.30 | 46.63   | 12.18 | 58.23   | 14.24 | 64.09 | 14.59 | 69.84   | 15.16 | 80.03   | 16.51 | 92.44  | 13.37 |
|     | 4                        | 40.77                       | 11.75 | 46.63   | 12.66 | 58.23   | 14.81 | 64.09 | 15.17 | 69.84   | 15.77 | 80.03   | 17.17 | 92.44  | 13.90 |
|     | 6                        | 40.77                       | 12.20 | 46.63   | 13.15 | 58.23   | 15.38 | 64.09 | 15.76 | 69.84   | 16.37 | 80.03   | 17.83 | 92.44  | 14.43 |
|     | 8                        | 40.77                       | 12.66 | 46.63   | 13.64 | 58.23   | 15.96 | 64.09 | 16.34 | 69.84   | 16.98 | 80.03   | 18.50 | 92.44  | 14.97 |
|     | 10                       | 40.77                       | 13.12 | 46.63   | 14.13 | 58.23   | 16.53 | 64.09 | 16.94 | 69.84   | 17.60 | 80.03   | 19.17 | 92.44  | 15.52 |
|     | 12                       | 40.77                       | 13.58 | 46.63   | 14.63 | 58.23   | 17.12 | 64.09 | 17.53 | 69.84   | 18.22 | 80.03   | 19.84 | 92.44  | 16.06 |
|     | 14                       | 40.77                       | 14.04 | 46.63   | 15.13 | 58.23   | 17.70 | 64.09 | 18.13 | 69.84   | 18.84 | 80.03   | 20.52 | 92.44  | 16.61 |
|     | 16                       | 40.77                       | 14.51 | 46.63   | 15.63 | 58.23   | 18.29 | 64.09 | 18.74 | 69.84   | 19.47 | 80.03   | 21.20 | 92.44  | 17.16 |
|     | 18                       | 40.77                       | 14.98 | 46.63   | 16.14 | 58.23   | 18.88 | 64.09 | 19.34 | 69.84   | 20.10 | 80.03   | 21.89 | 92.44  | 17.72 |
|     | 20                       | 40.77                       | 15.45 | 46.63   | 16.65 | 58.23   | 19.48 | 64.09 | 19.96 | 69.84   | 20.74 | 80.03   | 22.58 | 92.44  | 18.28 |
|     | 21                       | 40.77                       | 15.69 | 46.63   | 16.91 | 58.23   | 19.78 | 64.09 | 20.26 | 69.84   | 21.05 | 80.03   | 22.93 | 92.44  | 18.56 |
|     | 23                       | 40.77                       | 16.17 | 46.63   | 17.42 | 58.23   | 20.38 | 64.09 | 20.88 | 69.84   | 21.70 | 80.03   | 23.63 | 92.44  | 19.13 |
|     | 25                       | 40.77                       | 16.65 | 46.63   | 17.94 | 58.23   | 20.99 | 64.09 | 21.50 | 69.84   | 22.34 | 80.03   | 24.33 | 92.44  | 19.70 |
|     | 27                       | 40.77                       | 17.14 | 46.63   | 18.46 | 58.23   | 21.60 | 64.09 | 22.13 | 69.84   | 22.99 | 80.03   | 25.04 | 92.44  | 20.27 |
|     | 29                       | 40.77                       | 17.62 | 46.63   | 18.99 | 58.23   | 22.22 | 64.09 | 22.76 | 69.84   | 23.65 | 80.03   | 25.75 | 92.44  | 20.85 |
|     | 31                       | 40.77                       | 18.11 | 46.63   | 19.52 | 58.23   | 22.84 | 64.09 | 23.39 | 69.84   | 24.31 | 80.03   | 26.47 | 92.44  | 21.43 |
|     | 33                       | 40.77                       | 18.61 | 46.63   | 20.05 | 58.23   | 23.46 | 64.09 | 24.03 | 69.84   | 24.97 | 80.03   | 27.19 | 92.44  | 22.01 |
|     | 35                       | 40.77                       | 19.11 | 46.63   | 20.59 | 58.23   | 24.08 | 64.09 | 24.67 | 69.84   | 25.64 | 80.03   | 27.92 | 92.44  | 22.60 |
|     | 37                       | 40.77                       | 19.56 | 46.63   | 21.08 | 58.23   | 24.66 | 64.09 | 25.26 | 69.84   | 26.24 | 80.03   | 28.58 | 92.24  | 23.09 |
|     | 39                       | 40.77                       | 20.01 | 46.63   | 21.57 | 58.23   | 25.23 | 64.09 | 25.85 | 69.84   | 26.86 | 80.03   | 29.25 | 86.35  | 22.12 |
|     | 41                       | 40.77                       | 20.47 | 46.63   | 22.06 | 58.23   | 25.81 | 64.09 | 26.44 | 68.55   | 26.96 | 76.39   | 28.56 | 80.46  | 21.08 |
|     | 43                       | 40.77                       | 20.94 | 46.63   | 22.56 | 57.17   | 25.91 | 62.92 | 26.54 | 65.62   | 26.39 | 71.12   | 27.19 | 74.57  | 19.98 |
|     | 46                       | 40.77                       | 21.40 | 46.63   | 23.06 | 56.70   | 26.27 | 59.75 | 25.76 | 62.80   | 25.82 | 66.93   | 26.16 | 72.75  | 19.92 |
|     | 48                       | 39.95                       | 21.66 | 44.52   | 22.74 | 51.44   | 24.62 | 52.34 | 23.31 | 54.96   | 23.34 | 60.20   | 24.30 | 65.43  | 18.51 |
|     | 50                       | 37.73                       | 20.89 | 41.17   | 21.48 | 46.02   | 22.49 | 48.44 | 22.03 | 50.86   | 22.06 | 55.70   | 22.96 | 60.55  | 17.49 |
|     | 52                       | 33.98                       | 19.21 | 37.85   | 20.16 | 42.31   | 21.11 | 44.53 | 20.68 | 46.76   | 20.71 | 51.21   | 21.56 | 55.67  | 16.42 |
|     | 55                       | 30.47                       | 17.59 | 34.53   | 18.78 | 38.60   | 19.66 | 40.63 | 19.26 | 42.66   | 19.29 | 46.72   | 20.08 | 50.78  | 15.29 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...



## V8 PRO VRF 50Hz



Table2-8.11:28HP cooling capacity(continued)

| CR  | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |       |         |       |         |       |       |       |         |       |         |       |       |       |
|-----|--------------------------|-----------------------------|-------|---------|-------|---------|-------|-------|-------|---------|-------|---------|-------|-------|-------|
|     |                          | 20.8/14                     |       | 23.3/16 |       | 25.8/18 |       | 27/19 |       | 28.2/20 |       | 30.7/22 |       | 32/24 |       |
|     |                          | TC                          | PI    | TC      | PI    | TC      | PI    | TC    | PI    | TC      | PI    | TC      | PI    | TC    | PI    |
| 70% | -15                      | 35.62                       | 6.35  | 40.77   | 6.85  | 50.97   | 8.02  | 56.00 | 8.20  | 61.16   | 8.54  | 71.00   | 9.42  | 80.03 | 7.45  |
|     | -10                      | 35.62                       | 7.25  | 40.77   | 7.81  | 50.97   | 9.15  | 56.00 | 9.36  | 61.16   | 9.74  | 71.00   | 10.75 | 80.03 | 8.49  |
|     | -5                       | 35.62                       | 8.15  | 40.77   | 8.79  | 50.97   | 10.30 | 56.00 | 10.53 | 61.16   | 10.97 | 71.00   | 12.10 | 80.03 | 9.56  |
|     | -2                       | 35.62                       | 8.71  | 40.77   | 9.39  | 50.97   | 11.00 | 56.00 | 11.24 | 61.16   | 11.71 | 71.00   | 12.92 | 80.03 | 10.21 |
|     | 0                        | 35.62                       | 9.08  | 40.77   | 9.79  | 50.97   | 11.47 | 56.00 | 11.72 | 61.16   | 12.21 | 71.00   | 13.47 | 80.03 | 10.64 |
|     | 2                        | 35.62                       | 9.45  | 40.77   | 10.19 | 50.97   | 11.94 | 56.00 | 12.21 | 61.16   | 12.71 | 71.00   | 14.03 | 80.03 | 11.08 |
|     | 4                        | 35.62                       | 9.83  | 40.77   | 10.60 | 50.97   | 12.41 | 56.00 | 12.69 | 61.16   | 13.22 | 71.00   | 14.58 | 80.03 | 11.52 |
|     | 6                        | 35.62                       | 10.21 | 40.77   | 11.01 | 50.97   | 12.89 | 56.00 | 13.18 | 61.16   | 13.73 | 71.00   | 15.15 | 80.03 | 11.96 |
|     | 8                        | 35.62                       | 10.59 | 40.77   | 11.42 | 50.97   | 13.37 | 56.00 | 13.67 | 61.16   | 14.24 | 71.00   | 15.71 | 80.03 | 12.41 |
|     | 10                       | 35.62                       | 10.97 | 40.77   | 11.83 | 50.97   | 13.86 | 56.00 | 14.17 | 61.16   | 14.76 | 71.00   | 16.28 | 80.03 | 12.86 |
|     | 12                       | 35.62                       | 11.36 | 40.77   | 12.25 | 50.97   | 14.34 | 56.00 | 14.67 | 61.16   | 15.27 | 71.00   | 16.85 | 80.03 | 13.31 |
|     | 14                       | 35.62                       | 11.75 | 40.77   | 12.67 | 50.97   | 14.83 | 56.00 | 15.17 | 61.16   | 15.80 | 71.00   | 17.43 | 80.03 | 13.77 |
|     | 16                       | 35.62                       | 12.14 | 40.77   | 13.09 | 50.97   | 15.33 | 56.00 | 15.67 | 61.16   | 16.32 | 71.00   | 18.01 | 80.03 | 14.23 |
|     | 18                       | 35.62                       | 12.53 | 40.77   | 13.51 | 50.97   | 15.83 | 56.00 | 16.18 | 61.16   | 16.85 | 71.00   | 18.59 | 80.03 | 14.69 |
|     | 20                       | 35.62                       | 12.93 | 40.77   | 13.94 | 50.97   | 16.33 | 56.00 | 16.69 | 61.16   | 17.38 | 71.00   | 19.18 | 80.03 | 15.15 |
|     | 21                       | 35.62                       | 13.13 | 40.77   | 14.15 | 50.97   | 16.58 | 56.00 | 16.95 | 61.16   | 17.65 | 71.00   | 19.48 | 80.03 | 15.39 |
|     | 23                       | 35.62                       | 13.53 | 40.77   | 14.59 | 50.97   | 17.08 | 56.00 | 17.47 | 61.16   | 18.19 | 71.00   | 20.07 | 80.03 | 15.85 |
|     | 25                       | 35.62                       | 13.93 | 40.77   | 15.02 | 50.97   | 17.59 | 56.00 | 17.99 | 61.16   | 18.73 | 71.00   | 20.67 | 80.03 | 16.33 |
|     | 27                       | 35.62                       | 14.33 | 40.77   | 15.46 | 50.97   | 18.10 | 56.00 | 18.51 | 61.16   | 19.28 | 71.00   | 21.27 | 80.03 | 16.80 |
|     | 29                       | 35.62                       | 14.74 | 40.77   | 15.90 | 50.97   | 18.62 | 56.00 | 19.04 | 61.16   | 19.83 | 71.00   | 21.87 | 80.03 | 17.28 |
|     | 31                       | 35.62                       | 15.15 | 40.77   | 16.34 | 50.97   | 19.14 | 56.00 | 19.57 | 61.16   | 20.38 | 71.00   | 22.48 | 80.03 | 17.76 |
|     | 33                       | 35.62                       | 15.56 | 40.77   | 16.78 | 50.97   | 19.66 | 56.00 | 20.10 | 61.16   | 20.93 | 71.00   | 23.10 | 80.03 | 18.25 |
|     | 35                       | 35.62                       | 15.98 | 40.77   | 17.23 | 50.97   | 20.18 | 56.00 | 20.64 | 61.16   | 21.49 | 71.00   | 23.71 | 80.03 | 18.73 |
|     | 37                       | 35.62                       | 16.36 | 40.77   | 17.64 | 50.97   | 20.66 | 56.00 | 21.13 | 61.16   | 22.00 | 71.00   | 24.28 | 80.03 | 19.18 |
|     | 39                       | 35.62                       | 16.74 | 40.77   | 18.05 | 50.97   | 21.14 | 56.00 | 21.62 | 61.16   | 22.52 | 71.00   | 24.84 | 80.03 | 19.62 |
|     | 41                       | 35.62                       | 17.13 | 40.77   | 18.47 | 50.97   | 21.63 | 56.00 | 22.12 | 61.16   | 23.03 | 71.00   | 25.41 | 80.03 | 20.07 |
|     | 43                       | 35.62                       | 17.51 | 40.77   | 18.88 | 50.97   | 22.12 | 56.00 | 22.62 | 61.16   | 23.55 | 68.61   | 25.11 | 74.57 | 19.13 |
|     | 46                       | 35.62                       | 17.90 | 40.77   | 19.30 | 50.97   | 22.61 | 54.95 | 22.68 | 57.70   | 22.71 | 63.50   | 23.76 | 68.69 | 18.01 |
|     | 48                       | 35.62                       | 18.49 | 40.70   | 19.90 | 46.28   | 21.20 | 51.44 | 21.93 | 51.79   | 21.06 | 55.07   | 21.28 | 59.86 | 16.21 |
|     | 50                       | 35.04                       | 18.58 | 37.85   | 18.91 | 42.76   | 20.01 | 43.47 | 18.93 | 45.33   | 18.83 | 49.65   | 19.60 | 53.97 | 14.93 |
|     | 52                       | 32.81                       | 17.76 | 34.33   | 17.51 | 37.47   | 17.90 | 39.44 | 17.54 | 41.41   | 17.56 | 45.36   | 18.28 | 49.30 | 13.92 |
|     | 55                       | 26.99                       | 14.91 | 30.58   | 15.92 | 34.18   | 16.67 | 35.98 | 16.33 | 37.78   | 16.35 | 41.38   | 17.02 | 44.98 | 12.97 |
| 60% | -15                      | 30.58                       | 5.18  | 34.92   | 5.58  | 43.70   | 6.54  | 48.04 | 6.69  | 52.38   | 6.96  | 61.16   | 7.72  | 68.78 | 6.08  |
|     | -10                      | 30.58                       | 5.91  | 34.92   | 6.36  | 43.70   | 7.46  | 48.04 | 7.63  | 52.38   | 7.94  | 61.16   | 8.81  | 68.78 | 6.94  |
|     | -5                       | 30.58                       | 6.66  | 34.92   | 7.16  | 43.70   | 8.40  | 48.04 | 8.59  | 52.38   | 8.93  | 61.16   | 9.91  | 68.78 | 7.81  |
|     | -2                       | 30.58                       | 7.11  | 34.92   | 7.65  | 43.70   | 8.96  | 48.04 | 9.17  | 52.38   | 9.54  | 61.16   | 10.58 | 68.78 | 8.34  |
|     | 0                        | 30.58                       | 7.41  | 34.92   | 7.97  | 43.70   | 9.35  | 48.04 | 9.56  | 52.38   | 9.94  | 61.16   | 11.03 | 68.78 | 8.70  |
|     | 2                        | 30.58                       | 7.72  | 34.92   | 8.30  | 43.70   | 9.73  | 48.04 | 9.96  | 52.38   | 10.35 | 61.16   | 11.49 | 68.78 | 9.05  |
|     | 4                        | 30.58                       | 8.02  | 34.92   | 8.63  | 43.70   | 10.12 | 48.04 | 10.35 | 52.38   | 10.76 | 61.16   | 11.94 | 68.78 | 9.41  |
|     | 6                        | 30.58                       | 8.33  | 34.92   | 8.96  | 43.70   | 10.51 | 48.04 | 10.75 | 52.38   | 11.18 | 61.16   | 12.40 | 68.78 | 9.78  |
|     | 8                        | 30.58                       | 8.64  | 34.92   | 9.30  | 43.70   | 10.90 | 48.04 | 11.15 | 52.38   | 11.60 | 61.16   | 12.87 | 68.78 | 10.14 |
|     | 10                       | 30.58                       | 8.96  | 34.92   | 9.63  | 43.70   | 11.30 | 48.04 | 11.56 | 52.38   | 12.02 | 61.16   | 13.33 | 68.78 | 10.51 |
|     | 12                       | 30.58                       | 6.86  | 34.92   | 7.38  | 43.70   | 8.65  | 48.04 | 8.85  | 52.38   | 9.20  | 61.16   | 10.22 | 68.78 | 10.88 |
|     | 14                       | 30.58                       | 7.10  | 34.92   | 7.63  | 43.70   | 8.95  | 48.04 | 9.16  | 52.38   | 9.52  | 61.16   | 10.56 | 68.78 | 11.25 |
|     | 16                       | 30.58                       | 7.33  | 34.92   | 7.89  | 43.70   | 9.25  | 48.04 | 9.46  | 52.38   | 9.84  | 61.16   | 10.92 | 68.78 | 11.63 |
|     | 18                       | 30.58                       | 7.57  | 34.92   | 8.14  | 43.70   | 9.55  | 48.04 | 9.77  | 52.38   | 10.16 | 61.16   | 11.27 | 68.78 | 12.00 |
|     | 20                       | 30.58                       | 7.81  | 34.92   | 8.40  | 43.70   | 9.85  | 48.04 | 10.08 | 52.38   | 10.48 | 61.16   | 11.63 | 68.78 | 12.38 |
|     | 21                       | 30.58                       | 7.93  | 34.92   | 8.53  | 43.70   | 10.00 | 48.04 | 10.23 | 52.38   | 10.64 | 61.16   | 11.81 | 68.78 | 12.57 |
|     | 23                       | 30.58                       | 8.17  | 34.92   | 8.79  | 43.70   | 10.31 | 48.04 | 10.54 | 52.38   | 10.96 | 61.16   | 12.17 | 68.78 | 12.96 |
|     | 25                       | 30.58                       | 8.41  | 34.92   | 9.05  | 43.70   | 10.61 | 48.04 | 10.86 | 52.38   | 11.29 | 61.16   | 12.53 | 68.78 | 13.34 |
|     | 27                       | 30.58                       | 8.66  | 34.92   | 9.32  | 43.70   | 10.92 | 48.04 | 11.17 | 52.38   | 11.62 | 61.16   | 12.89 | 68.78 | 13.73 |
|     | 29                       | 30.58                       | 8.91  | 34.92   | 9.58  | 43.70   | 11.23 | 48.04 | 11.49 | 52.38   | 11.95 | 61.16   | 13.26 | 68.78 | 14.12 |
|     | 31                       | 30.58                       | 9.15  | 34.92   | 9.85  | 43.70   | 11.54 | 48.04 | 11.81 | 52.38   | 12.28 | 61.16   | 13.63 | 68.78 | 14.51 |
|     | 33                       | 30.58                       | 9.40  | 34.92   | 10.12 | 43.70   | 11.86 | 48.04 | 12.13 | 52.38   | 12.62 | 61.16   | 14.00 | 68.78 | 14.91 |
|     | 35                       | 30.58                       | 9.65  | 34.92   | 10.39 | 43.70   | 12.18 | 48.04 | 12.46 | 52.38   | 12.95 | 61.16   | 14.37 | 68.78 | 15.31 |
|     | 37                       | 30.58                       | 9.88  | 34.92   | 10.63 | 43.70   | 12.47 | 48.04 | 12.75 | 52.38   | 13.26 | 61.16   | 14.72 | 68.78 | 15.67 |
|     | 39                       | 30.58                       | 10.11 | 34.92   | 10.88 | 43.70   | 12.76 | 48.04 | 13.05 | 52.38   | 13.57 | 61.16   | 15.06 | 68.78 | 16.04 |
|     | 41                       | 30.58                       | 10.35 | 34.92   | 11.13 | 43.70   | 13.05 | 48.04 | 13.35 | 52.38   | 13.88 | 61.16   | 15.40 | 68.78 | 16.40 |
|     | 43                       | 30.58                       | 10.58 | 34.92   | 11.38 | 43.70   | 13.34 | 48.04 | 13.65 | 52.38   | 14.19 | 61.16   | 15.75 | 68.78 | 16.77 |
|     | 46                       | 30.58                       | 10.81 | 34.92   | 11.63 | 43.70   | 13.64 | 48.04 | 13.96 | 52.38   | 14.51 | 61.16   | 16.10 | 68.69 | 17.12 |
|     | 48                       | 30.58                       | 11.17 | 34.92   | 12.02 | 43.70   | 14.09 | 47.89 | 14.37 | 50.28   | 14.38 | 55.07   | 14.97 | 59.86 | 15.41 |
|     | 50                       | 30.58                       | 11.41 | 34.92   | 12.27 | 41.02   | 13.51 | 43.18 | 13.23 | 45.33   | 13.25 | 49.65   | 13.79 | 53.97 | 14.19 |
|     | 52                       | 28.85                       | 10.99 | 32.70   | 11.73 | 36.54   | 12.29 | 38.47 | 12.04 | 40.39   | 12.05 | 44.23   | 12.54 | 48.08 | 12.91 |
|     | 55                       | 25.77                       | 10.02 | 28.69   | 10.51 | 32.07   | 11.01 | 33.76 | 10.78 | 35.44   | 10.79 | 38.82   | 11.24 | 42.19 | 11.57 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.11:28HP cooling capacity(continued)

| CR  | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |      |         |      |         |       |       |       |         |       |         |       |       |       |
|-----|--------------------------|-----------------------------|------|---------|------|---------|-------|-------|-------|---------|-------|---------|-------|-------|-------|
|     |                          | 20.8/14                     |      | 23.3/16 |      | 25.8/18 |       | 27/19 |       | 28.2/20 |       | 30.7/22 |       | 32/24 |       |
|     |                          | TC                          | PI   | TC      | PI   | TC      | PI    | TC    | PI    | TC      | PI    | TC      | PI    | TC    | PI    |
| 50% | -15                      | 25.42                       | 3.01 | 29.06   | 3.24 | 36.44   | 3.80  | 40.07 | 3.89  | 43.70   | 4.05  | 50.97   | 4.49  | 58.23 | 4.86  |
|     | -10                      | 25.42                       | 3.43 | 29.06   | 3.69 | 36.44   | 4.34  | 40.07 | 4.44  | 43.70   | 4.62  | 50.97   | 5.12  | 58.23 | 5.54  |
|     | -5                       | 25.42                       | 3.86 | 29.06   | 4.16 | 36.44   | 4.88  | 40.07 | 5.00  | 43.70   | 5.20  | 50.97   | 5.76  | 58.23 | 6.23  |
|     | -2                       | 25.42                       | 4.12 | 29.06   | 4.44 | 36.44   | 5.22  | 40.07 | 5.34  | 43.70   | 5.55  | 50.97   | 6.15  | 58.23 | 6.66  |
|     | 0                        | 25.42                       | 4.30 | 29.06   | 4.63 | 36.44   | 5.44  | 40.07 | 5.57  | 43.70   | 5.79  | 50.97   | 6.42  | 58.23 | 6.94  |
|     | 2                        | 25.42                       | 4.47 | 29.06   | 4.82 | 36.44   | 5.66  | 40.07 | 5.79  | 43.70   | 6.03  | 50.97   | 6.68  | 58.23 | 7.23  |
|     | 4                        | 25.42                       | 4.65 | 29.06   | 5.01 | 36.44   | 5.89  | 40.07 | 6.03  | 43.70   | 6.27  | 50.97   | 6.95  | 58.23 | 7.51  |
|     | 6                        | 25.42                       | 4.83 | 29.06   | 5.20 | 36.44   | 6.11  | 40.07 | 6.26  | 43.70   | 6.51  | 50.97   | 7.21  | 58.23 | 7.80  |
|     | 8                        | 25.42                       | 5.01 | 29.06   | 5.40 | 36.44   | 6.34  | 40.07 | 6.49  | 43.70   | 6.75  | 50.97   | 7.48  | 58.23 | 8.09  |
|     | 10                       | 25.42                       | 5.19 | 29.06   | 5.59 | 36.44   | 6.57  | 40.07 | 6.73  | 43.70   | 6.99  | 50.97   | 7.75  | 58.23 | 8.39  |
|     | 12                       | 25.42                       | 5.38 | 29.06   | 5.79 | 36.44   | 6.80  | 40.07 | 6.96  | 43.70   | 7.24  | 50.97   | 8.03  | 58.23 | 8.68  |
|     | 14                       | 25.42                       | 5.56 | 29.06   | 5.99 | 36.44   | 7.04  | 40.07 | 7.20  | 43.70   | 7.49  | 50.97   | 8.30  | 58.23 | 8.98  |
|     | 16                       | 25.42                       | 5.75 | 29.06   | 6.19 | 36.44   | 7.27  | 40.07 | 7.44  | 43.70   | 7.74  | 50.97   | 8.58  | 58.23 | 9.28  |
|     | 18                       | 25.42                       | 5.93 | 29.06   | 6.39 | 36.44   | 7.51  | 40.07 | 7.68  | 43.70   | 7.99  | 50.97   | 8.86  | 58.23 | 9.58  |
|     | 20                       | 25.42                       | 6.12 | 29.06   | 6.59 | 36.44   | 7.74  | 40.07 | 7.92  | 43.70   | 8.24  | 50.97   | 9.14  | 58.23 | 9.88  |
|     | 21                       | 25.42                       | 6.21 | 29.06   | 6.69 | 36.44   | 7.86  | 40.07 | 8.05  | 43.70   | 8.37  | 50.97   | 9.28  | 58.23 | 10.04 |
|     | 23                       | 25.42                       | 6.40 | 29.06   | 6.90 | 36.44   | 8.10  | 40.07 | 8.29  | 43.70   | 8.62  | 50.97   | 9.56  | 58.23 | 10.34 |
|     | 25                       | 25.42                       | 6.59 | 29.06   | 7.10 | 36.44   | 8.34  | 40.07 | 8.54  | 43.70   | 8.88  | 50.97   | 9.84  | 58.23 | 10.65 |
|     | 27                       | 25.42                       | 6.79 | 29.06   | 7.31 | 36.44   | 8.59  | 40.07 | 8.79  | 43.70   | 9.14  | 50.97   | 10.13 | 58.23 | 10.96 |
|     | 29                       | 25.42                       | 6.98 | 29.06   | 7.52 | 36.44   | 8.83  | 40.07 | 9.04  | 43.70   | 9.40  | 50.97   | 10.42 | 58.23 | 11.27 |
|     | 31                       | 25.42                       | 7.17 | 29.06   | 7.73 | 36.44   | 9.08  | 40.07 | 9.29  | 43.70   | 9.66  | 50.97   | 10.71 | 58.23 | 11.58 |
|     | 33                       | 25.42                       | 7.37 | 29.06   | 7.94 | 36.44   | 9.32  | 40.07 | 9.54  | 43.70   | 9.92  | 50.97   | 11.00 | 58.23 | 11.90 |
|     | 35                       | 25.42                       | 7.57 | 29.06   | 8.15 | 36.44   | 9.57  | 40.07 | 9.80  | 43.70   | 10.19 | 50.97   | 11.29 | 58.23 | 12.22 |
|     | 37                       | 25.42                       | 7.75 | 29.06   | 8.34 | 36.44   | 9.80  | 40.07 | 10.03 | 43.70   | 10.43 | 50.97   | 11.56 | 58.23 | 12.51 |
|     | 39                       | 25.42                       | 7.93 | 29.06   | 8.54 | 36.44   | 10.03 | 40.07 | 10.26 | 43.70   | 10.67 | 50.97   | 11.83 | 58.23 | 12.80 |
|     | 41                       | 25.42                       | 8.11 | 29.06   | 8.73 | 36.44   | 10.26 | 40.07 | 10.50 | 43.70   | 10.92 | 50.97   | 12.10 | 58.23 | 13.09 |
|     | 43                       | 25.42                       | 8.29 | 29.06   | 8.93 | 36.44   | 10.49 | 40.07 | 10.74 | 43.70   | 11.16 | 50.97   | 12.38 | 58.23 | 13.39 |
|     | 46                       | 25.42                       | 8.48 | 29.06   | 9.13 | 36.44   | 10.72 | 40.07 | 10.97 | 43.70   | 11.41 | 50.97   | 12.65 | 58.23 | 13.69 |
|     | 48                       | 25.42                       | 8.75 | 29.06   | 9.43 | 36.44   | 11.08 | 40.07 | 11.34 | 43.70   | 11.79 | 50.97   | 13.07 | 58.23 | 14.14 |
|     | 50                       | 25.42                       | 8.94 | 29.06   | 9.63 | 36.44   | 11.31 | 40.07 | 11.58 | 43.70   | 12.04 | 49.65   | 13.00 | 53.97 | 13.38 |
|     | 52                       | 25.42                       | 9.13 | 29.06   | 9.83 | 36.44   | 11.55 | 38.47 | 11.35 | 40.39   | 11.36 | 44.23   | 11.83 | 48.08 | 12.17 |
|     | 55                       | 25.32                       | 9.28 | 28.69   | 9.91 | 32.07   | 10.38 | 33.76 | 10.17 | 35.44   | 10.18 | 38.82   | 10.59 | 42.19 | 10.90 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.



## V8 PRO VRF 50Hz



Table2-8.12:30HP cooling capacity

| CR   | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |       |         |       |         |       |        |       |         |       |         |       |        |       |
|------|--------------------------|-----------------------------|-------|---------|-------|---------|-------|--------|-------|---------|-------|---------|-------|--------|-------|
|      |                          | 20.8/14                     |       | 23.3/16 |       | 25.8/18 |       | 27/19  |       | 28.2/20 |       | 30.7/22 |       | 32/24  |       |
|      |                          | TC                          | PI    | TC      | PI    | TC      | PI    | TC     | PI    | TC      | PI    | TC      | PI    | TC     | PI    |
| 130% | -15                      | 68.12                       | 11.65 | 77.85   | 12.54 | 95.55   | 14.42 | 105.17 | 14.77 | 115.13  | 15.42 | 120.52  | 15.34 | 123.80 | 10.76 |
|      | -10                      | 68.12                       | 13.58 | 77.85   | 14.62 | 95.55   | 16.81 | 105.17 | 17.22 | 115.13  | 17.98 | 120.52  | 17.89 | 123.80 | 12.55 |
|      | -5                       | 68.12                       | 15.54 | 77.85   | 16.74 | 95.55   | 19.24 | 105.17 | 19.71 | 115.13  | 20.58 | 120.52  | 20.47 | 123.80 | 14.36 |
|      | -2                       | 68.12                       | 16.74 | 77.85   | 18.02 | 95.55   | 20.72 | 105.17 | 21.23 | 115.13  | 22.16 | 120.52  | 22.05 | 123.80 | 15.47 |
|      | 0                        | 68.12                       | 17.54 | 77.85   | 18.89 | 95.55   | 21.72 | 105.17 | 22.25 | 115.13  | 23.22 | 120.52  | 23.10 | 123.80 | 16.21 |
|      | 2                        | 68.12                       | 18.35 | 77.85   | 19.76 | 95.55   | 22.72 | 105.17 | 23.27 | 115.13  | 24.29 | 120.52  | 24.17 | 123.80 | 16.95 |
|      | 4                        | 68.12                       | 19.16 | 77.85   | 20.63 | 95.55   | 23.72 | 105.17 | 24.30 | 115.13  | 25.37 | 120.52  | 25.24 | 123.80 | 17.70 |
|      | 6                        | 68.12                       | 19.98 | 77.85   | 21.51 | 95.55   | 24.74 | 105.17 | 25.34 | 115.13  | 26.45 | 120.52  | 26.32 | 123.80 | 18.46 |
|      | 8                        | 68.12                       | 20.80 | 77.85   | 22.40 | 95.55   | 25.76 | 105.17 | 26.38 | 115.13  | 27.54 | 120.52  | 27.40 | 123.80 | 19.22 |
|      | 10                       | 68.12                       | 21.63 | 77.85   | 23.29 | 95.55   | 26.78 | 105.17 | 27.44 | 115.13  | 28.64 | 120.52  | 28.49 | 123.80 | 19.99 |
|      | 12                       | 68.12                       | 22.47 | 77.85   | 24.19 | 95.55   | 27.82 | 105.17 | 28.49 | 115.13  | 29.74 | 120.52  | 29.59 | 123.80 | 20.76 |
|      | 14                       | 68.12                       | 23.31 | 77.85   | 25.09 | 95.55   | 28.86 | 105.17 | 29.56 | 115.13  | 30.85 | 120.52  | 30.70 | 123.80 | 21.53 |
|      | 16                       | 68.12                       | 24.15 | 77.85   | 26.00 | 95.55   | 29.90 | 105.17 | 30.63 | 115.13  | 31.97 | 120.52  | 31.81 | 123.80 | 22.32 |
|      | 18                       | 68.12                       | 25.00 | 77.85   | 26.92 | 95.55   | 30.96 | 105.17 | 31.71 | 115.13  | 33.10 | 120.52  | 32.93 | 123.80 | 23.10 |
|      | 20                       | 68.12                       | 25.86 | 77.85   | 27.84 | 95.55   | 32.02 | 105.17 | 32.80 | 115.13  | 34.23 | 120.52  | 34.06 | 123.80 | 23.89 |
|      | 21                       | 68.12                       | 26.29 | 77.85   | 28.31 | 95.55   | 32.55 | 105.17 | 33.34 | 115.13  | 34.80 | 120.52  | 34.63 | 123.80 | 24.29 |
|      | 23                       | 68.12                       | 27.15 | 77.85   | 29.24 | 95.55   | 33.62 | 105.17 | 34.44 | 115.13  | 35.95 | 120.52  | 35.77 | 123.80 | 25.09 |
|      | 25                       | 68.12                       | 28.03 | 77.85   | 30.17 | 95.55   | 34.70 | 105.17 | 35.54 | 115.13  | 37.10 | 120.52  | 36.91 | 123.80 | 25.89 |
|      | 27                       | 68.12                       | 28.90 | 77.85   | 31.12 | 95.55   | 35.78 | 105.17 | 36.65 | 115.13  | 38.26 | 120.52  | 38.07 | 123.80 | 26.70 |
|      | 29                       | 68.12                       | 29.78 | 77.85   | 32.07 | 95.55   | 36.87 | 105.17 | 37.77 | 115.13  | 39.43 | 120.52  | 39.23 | 123.80 | 27.52 |
|      | 31                       | 68.12                       | 30.67 | 77.85   | 33.02 | 95.55   | 37.97 | 105.17 | 38.90 | 112.02  | 39.51 | 120.52  | 40.40 | 123.80 | 28.34 |
|      | 33                       | 68.12                       | 31.56 | 77.85   | 33.98 | 94.36   | 38.59 | 99.33  | 37.81 | 104.29  | 37.85 | 114.23  | 39.40 | 123.80 | 29.16 |
|      | 35                       | 68.12                       | 32.46 | 77.85   | 34.95 | 89.80   | 37.77 | 92.27  | 36.12 | 96.57   | 36.05 | 105.77  | 37.52 | 114.96 | 27.85 |
|      | 37                       | 68.12                       | 33.21 | 76.32   | 35.05 | 88.40   | 38.04 | 90.74  | 36.34 | 94.03   | 35.90 | 102.99  | 37.38 | 111.94 | 27.74 |
|      | 39                       | 66.83                       | 33.31 | 76.32   | 35.84 | 86.64   | 38.12 | 88.87  | 36.39 | 92.37   | 36.06 | 101.16  | 37.54 | 109.96 | 27.87 |
|      | 41                       | 66.71                       | 33.99 | 76.56   | 36.75 | 83.59   | 37.59 | 86.38  | 36.16 | 90.70   | 36.20 | 99.34   | 37.68 | 107.98 | 27.97 |
|      | 43                       | 66.94                       | 34.85 | 73.86   | 36.23 | 80.56   | 37.02 | 84.80  | 36.27 | 89.04   | 36.31 | 97.52   | 37.80 | 106.00 | 28.06 |
|      | 46                       | 65.06                       | 34.60 | 70.73   | 35.44 | 79.05   | 37.11 | 83.21  | 36.36 | 87.37   | 36.40 | 95.69   | 37.89 | 104.01 | 28.13 |
|      | 48                       | 57.02                       | 31.29 | 64.62   | 33.41 | 72.22   | 34.99 | 76.02  | 34.27 | 79.82   | 34.32 | 87.42   | 35.72 | 95.03  | 26.52 |
|      | 50                       | 53.42                       | 29.93 | 60.54   | 31.96 | 67.67   | 33.46 | 71.23  | 32.78 | 74.79   | 32.82 | 81.91   | 34.16 | 89.03  | 25.36 |
|      | 52                       | 49.82                       | 28.49 | 56.47   | 30.41 | 63.11   | 31.85 | 66.43  | 31.20 | 69.75   | 31.24 | 76.40   | 32.52 | 83.04  | 24.14 |
|      | 55                       | 46.23                       | 26.96 | 52.39   | 28.79 | 58.56   | 30.14 | 61.64  | 29.53 | 64.72   | 29.57 | 70.89   | 30.78 | 77.05  | 22.85 |
| 120% | -15                      | 64.01                       | 11.39 | 73.16   | 12.26 | 89.92   | 14.12 | 100.48 | 14.69 | 107.62  | 15.00 | 118.06  | 15.64 | 120.63 | 10.91 |
|      | -10                      | 64.01                       | 13.28 | 73.16   | 14.30 | 89.92   | 16.46 | 100.48 | 17.12 | 107.62  | 17.49 | 118.06  | 18.23 | 120.63 | 12.72 |
|      | -5                       | 64.01                       | 15.20 | 73.16   | 16.37 | 89.92   | 18.85 | 100.48 | 19.60 | 107.62  | 20.02 | 118.06  | 20.87 | 120.63 | 14.56 |
|      | -2                       | 64.01                       | 16.37 | 73.16   | 17.63 | 89.92   | 20.29 | 100.48 | 21.11 | 107.62  | 21.56 | 118.06  | 22.47 | 120.63 | 15.68 |
|      | 0                        | 64.01                       | 17.15 | 73.16   | 18.47 | 89.92   | 21.27 | 100.48 | 22.12 | 107.62  | 22.59 | 118.06  | 23.55 | 120.63 | 16.43 |
|      | 2                        | 64.01                       | 17.94 | 73.16   | 19.32 | 89.92   | 22.25 | 100.48 | 23.14 | 107.62  | 23.63 | 118.06  | 24.64 | 120.63 | 17.19 |
|      | 4                        | 64.01                       | 18.74 | 73.16   | 20.18 | 89.92   | 23.23 | 100.48 | 24.16 | 107.62  | 24.68 | 118.06  | 25.73 | 120.63 | 17.95 |
|      | 6                        | 64.01                       | 19.54 | 73.16   | 21.04 | 89.92   | 24.23 | 100.48 | 25.19 | 107.62  | 25.73 | 118.06  | 26.83 | 120.63 | 18.72 |
|      | 8                        | 64.01                       | 20.34 | 73.16   | 21.91 | 89.92   | 25.22 | 100.48 | 26.23 | 107.62  | 26.79 | 118.06  | 27.93 | 120.63 | 19.49 |
|      | 10                       | 64.01                       | 21.15 | 73.16   | 22.78 | 89.92   | 26.23 | 100.48 | 27.28 | 107.62  | 27.86 | 118.06  | 29.05 | 120.63 | 20.27 |
|      | 12                       | 64.01                       | 21.97 | 73.16   | 23.66 | 89.92   | 27.24 | 100.48 | 28.33 | 107.62  | 28.93 | 118.06  | 30.17 | 120.63 | 21.05 |
|      | 14                       | 64.01                       | 22.79 | 73.16   | 24.54 | 89.92   | 28.26 | 100.48 | 29.39 | 107.62  | 30.02 | 118.06  | 31.30 | 120.63 | 21.84 |
|      | 16                       | 64.01                       | 23.62 | 73.16   | 25.43 | 89.92   | 29.28 | 100.48 | 30.46 | 107.62  | 31.10 | 118.06  | 32.43 | 120.63 | 22.63 |
|      | 18                       | 64.01                       | 24.45 | 73.16   | 26.33 | 89.92   | 30.32 | 100.48 | 31.53 | 107.62  | 32.20 | 118.06  | 33.57 | 120.63 | 23.43 |
|      | 20                       | 64.01                       | 25.29 | 73.16   | 27.23 | 89.92   | 31.35 | 100.48 | 32.61 | 107.62  | 33.30 | 118.06  | 34.72 | 120.63 | 24.23 |
|      | 21                       | 64.01                       | 25.71 | 73.16   | 27.68 | 89.92   | 31.88 | 100.48 | 33.15 | 107.62  | 33.86 | 118.06  | 35.30 | 120.63 | 24.63 |
|      | 23                       | 64.01                       | 26.55 | 73.16   | 28.59 | 89.92   | 32.92 | 100.48 | 34.24 | 107.62  | 34.97 | 118.06  | 36.46 | 120.63 | 25.44 |
|      | 25                       | 64.01                       | 27.41 | 73.16   | 29.51 | 89.92   | 33.98 | 100.48 | 35.34 | 107.62  | 36.09 | 118.06  | 37.63 | 120.63 | 26.26 |
|      | 27                       | 64.01                       | 28.26 | 73.16   | 30.43 | 89.92   | 35.04 | 100.48 | 36.44 | 107.62  | 37.22 | 118.06  | 38.81 | 120.63 | 27.08 |
|      | 29                       | 64.01                       | 29.12 | 73.16   | 31.36 | 89.92   | 36.11 | 100.48 | 37.56 | 107.62  | 38.36 | 118.06  | 39.99 | 120.63 | 27.90 |
|      | 31                       | 64.01                       | 29.99 | 73.16   | 32.30 | 89.92   | 37.19 | 100.48 | 38.68 | 107.62  | 39.50 | 118.06  | 41.18 | 120.63 | 28.74 |
|      | 33                       | 64.01                       | 30.87 | 73.16   | 33.24 | 89.92   | 38.27 | 96.67  | 38.29 | 101.50  | 38.34 | 111.17  | 39.91 | 120.63 | 29.57 |
|      | 35                       | 64.01                       | 31.75 | 73.16   | 34.18 | 88.28   | 38.64 | 90.39  | 36.82 | 93.98   | 36.51 | 102.93  | 38.00 | 111.88 | 28.21 |
|      | 37                       | 64.01                       | 32.47 | 73.16   | 34.97 | 86.87   | 38.90 | 88.98  | 37.08 | 91.22   | 36.25 | 99.74   | 37.67 | 108.41 | 27.96 |
|      | 39                       | 63.89                       | 33.14 | 73.16   | 35.76 | 85.35   | 39.08 | 87.34  | 37.22 | 89.57   | 36.40 | 97.97   | 37.84 | 106.49 | 28.08 |
|      | 41                       | 62.84                       | 33.32 | 71.63   | 35.79 | 82.18   | 38.46 | 83.94  | 36.56 | 87.84   | 36.48 | 96.20   | 37.98 | 104.57 | 28.19 |
|      | 43                       | 62.84                       | 34.05 | 71.75   | 36.63 | 78.01   | 37.31 | 82.12  | 36.55 | 86.23   | 36.60 | 94.44   | 38.10 | 102.65 | 28.28 |
|      | 46                       | 62.72                       | 34.72 | 68.50   | 35.72 | 76.56   | 37.40 | 80.58  | 36.64 | 84.61   | 36.69 | 92.67   | 38.19 | 100.73 | 28.35 |
|      | 48                       | 55.22                       | 31.54 | 62.58   | 33.67 | 69.94   | 35.26 | 73.62  | 34.54 | 77.30   | 34.58 | 84.66   | 36.00 | 92.03  | 26.72 |
|      | 50                       | 51.73                       | 30.16 | 58.63   | 32.21 | 65.53   | 33.72 | 68.98  | 33.04 | 72.43   | 33.08 | 79.33   | 34.43 | 86.22  | 25.56 |
|      | 52                       | 48.25                       | 28.71 | 54.69   | 30.65 | 61.12   | 32.10 | 64.34  | 31.44 | 67.55   | 31.48 | 73.99   | 32.77 | 80.42  | 24.33 |
|      | 55                       | 44.77                       | 27.17 | 50.74   | 29.02 | 56.71   | 30.38 | 59.69  | 29.76 | 62.68   | 29.80 | 68.65   | 31.02 | 74.62  | 23.03 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.12:30HP cooling capacity(continued)

| CR   | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |       |         |       |         |       |       |       |         |       |         |       |        |       |
|------|--------------------------|-----------------------------|-------|---------|-------|---------|-------|-------|-------|---------|-------|---------|-------|--------|-------|
|      |                          | 20.8/14                     |       | 23.3/16 |       | 25.8/18 |       | 27/19 |       | 28.2/20 |       | 30.7/22 |       | 32/24  |       |
|      |                          | TC                          | PI    | TC      | PI    | TC      | PI    | TC    | PI    | TC      | PI    | TC      | PI    | TC     | PI    |
| 110% | -15                      | 59.68                       | 11.08 | 68.23   | 11.93 | 83.83   | 13.73 | 92.15 | 14.05 | 100.59  | 14.62 | 115.13  | 15.91 | 117.83 | 11.12 |
|      | -10                      | 59.68                       | 12.92 | 68.23   | 13.91 | 83.83   | 16.01 | 92.15 | 16.38 | 100.59  | 17.05 | 115.13  | 18.55 | 117.83 | 12.96 |
|      | -5                       | 59.68                       | 14.78 | 68.23   | 15.92 | 83.83   | 18.33 | 92.15 | 18.75 | 100.59  | 19.52 | 115.13  | 21.23 | 117.83 | 14.84 |
|      | -2                       | 59.68                       | 15.92 | 68.23   | 17.15 | 83.83   | 19.74 | 92.15 | 20.19 | 100.59  | 21.02 | 115.13  | 22.86 | 117.83 | 15.98 |
|      | 0                        | 59.68                       | 16.68 | 68.23   | 17.97 | 83.83   | 20.68 | 92.15 | 21.16 | 100.59  | 22.03 | 115.13  | 23.96 | 117.83 | 16.75 |
|      | 2                        | 59.68                       | 17.45 | 68.23   | 18.80 | 83.83   | 21.64 | 92.15 | 22.14 | 100.59  | 23.04 | 115.13  | 25.06 | 117.83 | 17.52 |
|      | 4                        | 59.68                       | 18.22 | 68.23   | 19.63 | 83.83   | 22.60 | 92.15 | 23.12 | 100.59  | 24.06 | 115.13  | 26.17 | 117.83 | 18.29 |
|      | 6                        | 59.68                       | 19.00 | 68.23   | 20.47 | 83.83   | 23.56 | 92.15 | 24.10 | 100.59  | 25.09 | 115.13  | 27.29 | 117.83 | 19.07 |
|      | 8                        | 59.68                       | 19.79 | 68.23   | 21.31 | 83.83   | 24.53 | 92.15 | 25.10 | 100.59  | 26.12 | 115.13  | 28.42 | 117.83 | 19.86 |
|      | 10                       | 59.68                       | 20.58 | 68.23   | 22.16 | 83.83   | 25.51 | 92.15 | 26.10 | 100.59  | 27.16 | 115.13  | 29.55 | 117.83 | 20.65 |
|      | 12                       | 59.68                       | 21.37 | 68.23   | 23.02 | 83.83   | 26.49 | 92.15 | 27.10 | 100.59  | 28.21 | 115.13  | 30.69 | 117.83 | 21.45 |
|      | 14                       | 59.68                       | 22.17 | 68.23   | 23.88 | 83.83   | 27.48 | 92.15 | 28.12 | 100.59  | 29.27 | 115.13  | 31.84 | 117.83 | 22.25 |
|      | 16                       | 59.68                       | 22.97 | 68.23   | 24.74 | 83.83   | 28.48 | 92.15 | 29.14 | 100.59  | 30.33 | 115.13  | 32.99 | 117.83 | 23.06 |
|      | 18                       | 59.68                       | 23.78 | 68.23   | 25.61 | 83.83   | 29.48 | 92.15 | 30.16 | 100.59  | 31.40 | 115.13  | 34.15 | 117.83 | 23.87 |
|      | 20                       | 59.68                       | 24.60 | 68.23   | 26.49 | 83.83   | 30.49 | 92.15 | 31.20 | 100.59  | 32.47 | 115.13  | 35.32 | 117.83 | 24.69 |
|      | 21                       | 59.68                       | 25.00 | 68.23   | 26.93 | 83.83   | 31.00 | 92.15 | 31.72 | 100.59  | 33.01 | 115.13  | 35.91 | 117.83 | 25.10 |
|      | 23                       | 59.68                       | 25.83 | 68.23   | 27.82 | 83.83   | 32.02 | 92.15 | 32.76 | 100.59  | 34.10 | 115.13  | 37.09 | 117.83 | 25.92 |
|      | 25                       | 59.68                       | 26.66 | 68.23   | 28.71 | 83.83   | 33.05 | 92.15 | 33.81 | 100.59  | 35.19 | 115.13  | 38.28 | 117.83 | 26.76 |
|      | 27                       | 59.68                       | 27.49 | 68.23   | 29.61 | 83.83   | 34.08 | 92.15 | 34.87 | 100.59  | 36.29 | 115.13  | 39.48 | 117.83 | 27.59 |
|      | 29                       | 59.68                       | 28.33 | 68.23   | 30.51 | 83.83   | 35.12 | 92.15 | 35.93 | 100.59  | 37.40 | 115.13  | 40.68 | 117.83 | 28.43 |
|      | 31                       | 59.68                       | 29.17 | 68.23   | 31.42 | 83.83   | 36.17 | 92.15 | 37.00 | 100.59  | 38.51 | 113.96  | 41.47 | 117.83 | 29.28 |
|      | 33                       | 59.68                       | 30.02 | 68.23   | 32.34 | 83.83   | 37.22 | 92.15 | 38.08 | 96.87   | 38.17 | 106.10  | 39.73 | 115.32 | 29.49 |
|      | 35                       | 59.68                       | 30.88 | 68.23   | 33.26 | 83.59   | 38.17 | 88.63 | 37.67 | 90.51   | 36.68 | 98.24   | 37.84 | 106.78 | 28.09 |
|      | 37                       | 59.68                       | 31.58 | 68.23   | 34.02 | 83.59   | 39.05 | 87.11 | 37.87 | 88.98   | 36.89 | 95.42   | 37.59 | 103.72 | 27.91 |
|      | 39                       | 59.68                       | 32.30 | 68.23   | 34.79 | 83.59   | 39.93 | 85.70 | 38.10 | 87.58   | 37.12 | 93.73   | 37.76 | 101.88 | 28.03 |
|      | 41                       | 59.68                       | 33.01 | 68.23   | 35.56 | 80.66   | 39.38 | 82.54 | 37.51 | 84.06   | 36.42 | 92.04   | 37.90 | 100.04 | 28.14 |
|      | 43                       | 59.68                       | 33.74 | 66.94   | 35.65 | 74.64   | 37.24 | 78.57 | 36.48 | 82.49   | 36.53 | 90.35   | 38.02 | 98.21  | 28.22 |
|      | 46                       | 58.50                       | 33.78 | 65.53   | 35.65 | 73.24   | 37.33 | 77.10 | 36.57 | 80.95   | 36.61 | 88.66   | 38.11 | 96.37  | 28.29 |
|      | 48                       | 52.83                       | 31.48 | 59.87   | 33.61 | 66.91   | 35.19 | 70.43 | 34.47 | 73.96   | 34.52 | 81.00   | 35.93 | 88.04  | 26.67 |
|      | 50                       | 49.49                       | 30.10 | 56.09   | 32.14 | 62.69   | 33.66 | 65.99 | 32.97 | 69.29   | 33.01 | 75.89   | 34.36 | 82.49  | 25.51 |
|      | 52                       | 46.16                       | 28.65 | 52.32   | 30.59 | 58.47   | 32.03 | 61.55 | 31.38 | 64.63   | 31.42 | 70.78   | 32.71 | 76.94  | 24.28 |
|      | 55                       | 42.83                       | 27.12 | 48.54   | 28.96 | 54.25   | 30.32 | 57.11 | 29.70 | 59.96   | 29.74 | 65.68   | 30.96 | 71.39  | 22.98 |
| 100% | -15                      | 55.10                       | 10.69 | 63.08   | 11.54 | 78.32   | 13.42 | 85.35 | 13.61 | 92.85   | 14.12 | 108.33  | 15.65 | 114.43 | 11.29 |
|      | -10                      | 55.10                       | 12.47 | 63.08   | 13.45 | 78.32   | 15.64 | 85.35 | 15.87 | 92.85   | 16.46 | 108.33  | 18.25 | 114.43 | 13.17 |
|      | -5                       | 55.10                       | 14.27 | 63.08   | 15.40 | 78.32   | 17.91 | 85.35 | 18.16 | 92.85   | 18.84 | 108.33  | 20.89 | 114.43 | 15.07 |
|      | -2                       | 55.10                       | 15.37 | 63.08   | 16.58 | 78.32   | 19.28 | 85.35 | 19.56 | 92.85   | 20.29 | 108.33  | 22.50 | 114.43 | 16.23 |
|      | 0                        | 55.10                       | 16.11 | 63.08   | 17.37 | 78.32   | 20.21 | 85.35 | 20.50 | 92.85   | 21.26 | 108.33  | 23.58 | 114.43 | 17.01 |
|      | 2                        | 55.10                       | 16.85 | 63.08   | 18.17 | 78.32   | 21.14 | 85.35 | 21.44 | 92.85   | 22.24 | 108.33  | 24.66 | 114.43 | 17.79 |
|      | 4                        | 55.10                       | 17.60 | 63.08   | 18.98 | 78.32   | 22.08 | 85.35 | 22.39 | 92.85   | 23.23 | 108.33  | 25.76 | 114.43 | 18.58 |
|      | 6                        | 55.10                       | 18.35 | 63.08   | 19.79 | 78.32   | 23.02 | 85.35 | 23.35 | 92.85   | 24.22 | 108.33  | 26.86 | 114.43 | 19.37 |
|      | 8                        | 55.10                       | 19.10 | 63.08   | 20.61 | 78.32   | 23.97 | 85.35 | 24.31 | 92.85   | 25.22 | 108.33  | 27.96 | 114.43 | 20.17 |
|      | 10                       | 55.10                       | 19.87 | 63.08   | 21.43 | 78.32   | 24.92 | 85.35 | 25.28 | 92.85   | 26.22 | 108.33  | 29.08 | 114.43 | 20.97 |
|      | 12                       | 55.10                       | 20.63 | 63.08   | 22.25 | 78.32   | 25.88 | 85.35 | 26.25 | 92.85   | 27.23 | 108.33  | 30.20 | 114.43 | 21.78 |
|      | 14                       | 55.10                       | 21.40 | 63.08   | 23.09 | 78.32   | 26.85 | 85.35 | 27.23 | 92.85   | 28.25 | 108.33  | 31.33 | 114.43 | 22.60 |
|      | 16                       | 55.10                       | 22.18 | 63.08   | 23.92 | 78.32   | 27.83 | 85.35 | 28.22 | 92.85   | 29.28 | 108.33  | 32.46 | 114.43 | 23.42 |
|      | 18                       | 55.10                       | 22.96 | 63.08   | 24.77 | 78.32   | 28.81 | 85.35 | 29.22 | 92.85   | 30.31 | 108.33  | 33.61 | 114.43 | 24.24 |
|      | 20                       | 55.10                       | 23.75 | 63.08   | 25.61 | 78.32   | 29.79 | 85.35 | 30.22 | 92.85   | 31.35 | 108.33  | 34.76 | 114.43 | 25.07 |
|      | 21                       | 55.10                       | 24.14 | 63.08   | 26.04 | 78.32   | 30.29 | 85.35 | 30.72 | 92.85   | 31.87 | 108.33  | 35.34 | 114.43 | 25.49 |
|      | 23                       | 55.10                       | 24.94 | 63.08   | 26.90 | 78.32   | 31.29 | 85.35 | 31.73 | 92.85   | 32.91 | 108.33  | 36.50 | 114.43 | 26.33 |
|      | 25                       | 55.10                       | 25.74 | 63.08   | 27.76 | 78.32   | 32.29 | 85.35 | 32.75 | 92.85   | 33.97 | 108.33  | 37.67 | 114.43 | 27.17 |
|      | 27                       | 55.10                       | 26.54 | 63.08   | 28.63 | 78.32   | 33.30 | 85.35 | 33.77 | 92.85   | 35.03 | 108.33  | 38.85 | 114.43 | 28.02 |
|      | 29                       | 55.10                       | 27.35 | 63.08   | 29.50 | 78.32   | 34.31 | 85.35 | 34.80 | 92.85   | 36.10 | 108.33  | 40.03 | 114.43 | 28.88 |
|      | 31                       | 55.10                       | 28.17 | 63.08   | 30.38 | 78.32   | 35.34 | 85.35 | 35.84 | 92.85   | 37.18 | 108.33  | 41.22 | 114.43 | 29.74 |
|      | 33                       | 55.10                       | 28.99 | 63.08   | 31.26 | 78.32   | 36.37 | 85.35 | 36.88 | 92.85   | 38.26 | 105.57  | 41.34 | 114.43 | 30.60 |
|      | 35                       | 55.10                       | 29.81 | 63.08   | 32.15 | 78.32   | 37.40 | 85.00 | 37.78 | 89.25   | 37.82 | 97.75   | 39.37 | 106.25 | 29.23 |
|      | 37                       | 55.10                       | 30.49 | 63.08   | 32.89 | 78.32   | 38.26 | 85.11 | 38.69 | 87.70   | 38.02 | 96.05   | 39.57 | 104.40 | 29.38 |
|      | 39                       | 55.10                       | 31.18 | 63.08   | 33.63 | 78.32   | 39.12 | 83.59 | 38.86 | 86.14   | 38.19 | 94.35   | 39.75 | 102.55 | 29.51 |
|      | 41                       | 55.10                       | 31.87 | 63.08   | 34.38 | 77.26   | 39.45 | 80.66 | 38.33 | 84.59   | 38.33 | 92.65   | 39.90 | 100.71 | 29.62 |
|      | 43                       | 55.10                       | 32.57 | 63.08   | 35.13 | 75.13   | 39.20 | 79.09 | 38.40 | 83.04   | 38.45 | 90.95   | 40.02 | 98.86  | 29.71 |
|      | 46                       | 55.10                       | 33.27 | 63.08   | 35.89 | 73.73   | 39.30 | 77.61 | 38.50 | 81.49   | 38.54 | 89.25   | 40.12 | 97.01  | 29.78 |
|      | 48                       | 53.18                       | 33.13 | 60.27   | 35.38 | 67.36   | 37.04 | 70.90 | 36.29 | 74.45   | 36.33 | 81.54   | 37.82 | 88.63  | 28.08 |
|      | 50                       | 49.82                       | 31.69 | 56.46   | 33.84 | 63.11   | 35.43 | 66.43 | 34.71 | 69.75   | 34.75 | 76.39   | 36.17 | 83.04  | 26.85 |
|      | 52                       | 46.47                       | 30.16 | 52.66   | 32.20 | 58.86   | 33.72 | 61.96 | 33.03 | 65.06   | 33.07 | 71.25   | 34.43 | 77.45  | 25.56 |
|      | 55                       | 43.12                       | 28.55 | 48.86   | 30.48 | 54.61   | 31.92 | 57.49 | 31.27 | 60.36   | 31.31 | 66.11   | 32.59 | 71.86  | 24.19 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

# V8 PRO VRF 50Hz



Table2-8.12:30HP cooling capacity(continued)

| CR  | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |       |         |       |         |       |       |       |         |       |         |       |        |       |
|-----|--------------------------|-----------------------------|-------|---------|-------|---------|-------|-------|-------|---------|-------|---------|-------|--------|-------|
|     |                          | 20.8/14                     |       | 23.3/16 |       | 25.8/18 |       | 27/19 |       | 28.2/20 |       | 30.7/22 |       | 32/24  |       |
|     |                          | TC                          | PI    | TC      | PI    | TC      | PI    | TC    | PI    | TC      | PI    | TC      | PI    | TC     | PI    |
| 90% | -15                      | 49.59                       | 9.32  | 56.75   | 10.05 | 70.93   | 11.76 | 77.61 | 11.98 | 84.06   | 12.37 | 97.55   | 13.65 | 110.21 | 10.53 |
|     | -10                      | 49.59                       | 10.86 | 56.75   | 11.71 | 70.93   | 13.72 | 77.61 | 13.97 | 84.06   | 14.43 | 97.55   | 15.91 | 110.21 | 12.28 |
|     | -5                       | 49.59                       | 12.44 | 56.75   | 13.41 | 70.93   | 15.70 | 77.61 | 15.99 | 84.06   | 16.51 | 97.55   | 18.21 | 110.21 | 14.05 |
|     | -2                       | 49.59                       | 13.39 | 56.75   | 14.44 | 70.93   | 16.91 | 77.61 | 17.22 | 84.06   | 17.78 | 97.55   | 19.61 | 110.21 | 15.13 |
|     | 0                        | 49.59                       | 14.03 | 56.75   | 15.13 | 70.93   | 17.72 | 77.61 | 18.04 | 84.06   | 18.63 | 97.55   | 20.55 | 110.21 | 15.86 |
|     | 2                        | 49.59                       | 14.68 | 56.75   | 15.83 | 70.93   | 18.53 | 77.61 | 18.87 | 84.06   | 19.49 | 97.55   | 21.50 | 110.21 | 16.59 |
|     | 4                        | 49.59                       | 15.33 | 56.75   | 16.53 | 70.93   | 19.35 | 77.61 | 19.71 | 84.06   | 20.36 | 97.55   | 22.45 | 110.21 | 17.32 |
|     | 6                        | 49.59                       | 15.99 | 56.75   | 17.24 | 70.93   | 20.18 | 77.61 | 20.55 | 84.06   | 21.23 | 97.55   | 23.41 | 110.21 | 18.06 |
|     | 8                        | 49.59                       | 16.65 | 56.75   | 17.95 | 70.93   | 21.01 | 77.61 | 21.40 | 84.06   | 22.10 | 97.55   | 24.38 | 110.21 | 18.81 |
|     | 10                       | 49.59                       | 17.31 | 56.75   | 18.66 | 70.93   | 21.85 | 77.61 | 22.25 | 84.06   | 22.98 | 97.55   | 25.35 | 110.21 | 19.56 |
|     | 12                       | 49.59                       | 17.98 | 56.75   | 19.38 | 70.93   | 22.69 | 77.61 | 23.11 | 84.06   | 23.87 | 97.55   | 26.33 | 110.21 | 20.31 |
|     | 14                       | 49.59                       | 18.65 | 56.75   | 20.11 | 70.93   | 23.54 | 77.61 | 23.97 | 84.06   | 24.76 | 97.55   | 27.31 | 110.21 | 21.07 |
|     | 16                       | 49.59                       | 19.32 | 56.75   | 20.83 | 70.93   | 24.40 | 77.61 | 24.84 | 84.06   | 25.66 | 97.55   | 28.30 | 110.21 | 21.83 |
|     | 18                       | 49.59                       | 20.01 | 56.75   | 21.57 | 70.93   | 25.26 | 77.61 | 25.72 | 84.06   | 26.56 | 97.55   | 29.30 | 110.21 | 22.60 |
|     | 20                       | 49.59                       | 20.69 | 56.75   | 22.31 | 70.93   | 26.12 | 77.61 | 26.60 | 84.06   | 27.47 | 97.55   | 30.30 | 110.21 | 23.38 |
|     | 21                       | 49.59                       | 21.03 | 56.75   | 22.68 | 70.93   | 26.56 | 77.61 | 27.04 | 84.06   | 27.93 | 97.55   | 30.80 | 110.21 | 23.77 |
|     | 23                       | 49.59                       | 21.73 | 56.75   | 23.42 | 70.93   | 27.43 | 77.61 | 27.93 | 84.06   | 28.85 | 97.55   | 31.82 | 110.21 | 24.55 |
|     | 25                       | 49.59                       | 22.42 | 56.75   | 24.18 | 70.93   | 28.31 | 77.61 | 28.83 | 84.06   | 29.77 | 97.55   | 32.84 | 110.21 | 25.34 |
|     | 27                       | 49.59                       | 23.12 | 56.75   | 24.93 | 70.93   | 29.19 | 77.61 | 29.73 | 84.06   | 30.70 | 97.55   | 33.86 | 110.21 | 26.13 |
|     | 29                       | 49.59                       | 23.83 | 56.75   | 25.69 | 70.93   | 30.08 | 77.61 | 30.64 | 84.06   | 31.64 | 97.55   | 34.90 | 110.21 | 26.92 |
|     | 31                       | 49.59                       | 24.54 | 56.75   | 26.46 | 70.93   | 30.98 | 77.61 | 31.55 | 84.06   | 32.58 | 97.55   | 35.94 | 110.21 | 27.73 |
|     | 33                       | 49.59                       | 25.25 | 56.75   | 27.23 | 70.93   | 31.88 | 77.61 | 32.47 | 84.06   | 33.53 | 97.55   | 36.98 | 110.21 | 28.53 |
|     | 35                       | 49.59                       | 25.97 | 56.75   | 28.00 | 70.93   | 32.79 | 77.61 | 33.39 | 84.06   | 34.49 | 97.55   | 38.04 | 106.25 | 28.29 |
|     | 37                       | 49.59                       | 26.57 | 56.75   | 28.65 | 70.93   | 33.54 | 77.61 | 34.16 | 84.06   | 35.28 | 91.88   | 36.65 | 99.87  | 27.20 |
|     | 39                       | 49.59                       | 27.17 | 56.75   | 29.29 | 70.93   | 34.30 | 76.56 | 34.46 | 83.12   | 35.67 | 87.00   | 35.48 | 93.50  | 26.04 |
|     | 41                       | 49.59                       | 27.77 | 56.75   | 29.94 | 70.93   | 35.06 | 76.44 | 35.17 | 79.96   | 35.08 | 84.43   | 35.20 | 91.77  | 26.13 |
|     | 43                       | 49.59                       | 28.38 | 56.75   | 30.60 | 69.52   | 35.11 | 74.10 | 34.83 | 75.67   | 33.92 | 82.88   | 35.31 | 90.08  | 26.21 |
|     | 46                       | 49.59                       | 28.99 | 56.75   | 31.26 | 67.18   | 34.66 | 70.72 | 33.96 | 74.26   | 34.00 | 81.33   | 35.39 | 88.40  | 26.27 |
|     | 48                       | 48.77                       | 29.42 | 54.92   | 31.21 | 61.38   | 32.68 | 64.61 | 32.01 | 67.84   | 32.05 | 74.30   | 33.37 | 80.76  | 24.77 |
|     | 50                       | 45.40                       | 27.95 | 51.45   | 29.85 | 57.51   | 31.25 | 60.53 | 30.62 | 63.56   | 30.66 | 69.61   | 31.91 | 75.67  | 23.69 |
|     | 52                       | 42.34                       | 26.61 | 47.99   | 28.41 | 53.64   | 29.75 | 56.46 | 29.14 | 59.28   | 29.18 | 64.93   | 30.37 | 70.57  | 22.55 |
|     | 55                       | 39.29                       | 25.19 | 44.53   | 26.89 | 49.77   | 28.16 | 52.39 | 27.59 | 55.00   | 27.62 | 60.24   | 28.75 | 65.48  | 21.34 |
| 80% | -15                      | 44.09                       | 7.98  | 50.42   | 8.60  | 63.08   | 10.08 | 69.28 | 10.30 | 75.62   | 10.72 | 86.64   | 11.68 | 99.89  | 9.19  |
|     | -10                      | 44.09                       | 9.31  | 50.42   | 10.03 | 63.08   | 11.75 | 69.28 | 12.01 | 75.62   | 12.50 | 86.64   | 13.62 | 99.89  | 10.72 |
|     | -5                       | 44.09                       | 10.65 | 50.42   | 11.48 | 63.08   | 13.45 | 69.28 | 13.75 | 75.62   | 14.31 | 86.64   | 15.59 | 99.89  | 12.27 |
|     | -2                       | 44.09                       | 11.47 | 50.42   | 12.36 | 63.08   | 14.49 | 69.28 | 14.81 | 75.62   | 15.41 | 86.64   | 16.78 | 99.89  | 13.21 |
|     | 0                        | 44.09                       | 12.02 | 50.42   | 12.95 | 63.08   | 15.18 | 69.28 | 15.52 | 75.62   | 16.15 | 86.64   | 17.59 | 99.89  | 13.85 |
|     | 2                        | 44.09                       | 12.58 | 50.42   | 13.55 | 63.08   | 15.88 | 69.28 | 16.23 | 75.62   | 16.90 | 86.64   | 18.40 | 99.89  | 14.49 |
|     | 4                        | 44.09                       | 13.13 | 50.42   | 14.15 | 63.08   | 16.59 | 69.28 | 16.95 | 75.62   | 17.64 | 86.64   | 19.21 | 99.89  | 15.13 |
|     | 6                        | 44.09                       | 13.70 | 50.42   | 14.75 | 63.08   | 17.29 | 69.28 | 17.68 | 75.62   | 18.40 | 86.64   | 20.04 | 99.89  | 15.77 |
|     | 8                        | 44.09                       | 14.26 | 50.42   | 15.36 | 63.08   | 18.01 | 69.28 | 18.41 | 75.62   | 19.16 | 86.64   | 20.86 | 99.89  | 16.42 |
|     | 10                       | 44.09                       | 14.83 | 50.42   | 15.98 | 63.08   | 18.72 | 69.28 | 19.14 | 75.62   | 19.92 | 86.64   | 21.69 | 99.89  | 17.08 |
|     | 12                       | 44.09                       | 15.40 | 50.42   | 16.59 | 63.08   | 19.45 | 69.28 | 19.88 | 75.62   | 20.69 | 86.64   | 22.53 | 99.89  | 17.74 |
|     | 14                       | 44.09                       | 15.98 | 50.42   | 17.21 | 63.08   | 20.17 | 69.28 | 20.62 | 75.62   | 21.46 | 86.64   | 23.37 | 99.89  | 18.40 |
|     | 16                       | 44.09                       | 16.56 | 50.42   | 17.84 | 63.08   | 20.91 | 69.28 | 21.37 | 75.62   | 22.24 | 86.64   | 24.22 | 99.89  | 19.07 |
|     | 18                       | 44.09                       | 17.14 | 50.42   | 18.46 | 63.08   | 21.64 | 69.28 | 22.12 | 75.62   | 23.02 | 86.64   | 25.07 | 99.89  | 19.74 |
|     | 20                       | 44.09                       | 17.73 | 50.42   | 19.10 | 63.08   | 22.38 | 69.28 | 22.88 | 75.62   | 23.81 | 86.64   | 25.93 | 99.89  | 20.42 |
|     | 21                       | 44.09                       | 18.02 | 50.42   | 19.41 | 63.08   | 22.76 | 69.28 | 23.26 | 75.62   | 24.21 | 86.64   | 26.36 | 99.89  | 20.76 |
|     | 23                       | 44.09                       | 18.61 | 50.42   | 20.05 | 63.08   | 23.50 | 69.28 | 24.03 | 75.62   | 25.01 | 86.64   | 27.23 | 99.89  | 21.44 |
|     | 25                       | 44.09                       | 19.21 | 50.42   | 20.70 | 63.08   | 24.26 | 69.28 | 24.80 | 75.62   | 25.81 | 86.64   | 28.10 | 99.89  | 22.13 |
|     | 27                       | 44.09                       | 19.81 | 50.42   | 21.34 | 63.08   | 25.02 | 69.28 | 25.57 | 75.62   | 26.61 | 86.64   | 28.98 | 99.89  | 22.82 |
|     | 29                       | 44.09                       | 20.41 | 50.42   | 21.99 | 63.08   | 25.78 | 69.28 | 26.35 | 75.62   | 27.43 | 86.64   | 29.87 | 99.89  | 23.51 |
|     | 31                       | 44.09                       | 21.02 | 50.42   | 22.65 | 63.08   | 26.55 | 69.28 | 27.14 | 75.62   | 28.24 | 86.64   | 30.76 | 99.89  | 24.21 |
|     | 33                       | 44.09                       | 21.64 | 50.42   | 23.31 | 63.08   | 27.32 | 69.28 | 27.93 | 75.62   | 29.07 | 86.64   | 31.65 | 99.89  | 24.92 |
|     | 35                       | 44.09                       | 22.25 | 50.42   | 23.97 | 63.08   | 28.10 | 69.28 | 28.72 | 75.62   | 29.89 | 86.64   | 32.55 | 99.89  | 25.63 |
|     | 37                       | 44.09                       | 22.76 | 50.42   | 24.52 | 63.08   | 28.74 | 69.28 | 29.38 | 75.62   | 30.58 | 86.64   | 33.30 | 99.87  | 26.21 |
|     | 39                       | 44.09                       | 23.27 | 50.42   | 25.08 | 63.08   | 29.39 | 69.28 | 30.04 | 75.62   | 31.27 | 86.02   | 33.81 | 93.50  | 25.09 |
|     | 41                       | 44.09                       | 23.79 | 50.42   | 25.63 | 63.08   | 30.04 | 69.28 | 30.71 | 74.10   | 31.32 | 81.13   | 32.59 | 87.12  | 23.90 |
|     | 43                       | 44.09                       | 24.31 | 50.42   | 26.19 | 61.79   | 30.07 | 67.99 | 30.80 | 73.98   | 31.95 | 75.38   | 30.94 | 81.06  | 22.73 |
|     | 46                       | 44.09                       | 24.84 | 50.42   | 26.76 | 61.90   | 30.78 | 65.65 | 30.38 | 66.82   | 29.48 | 73.18   | 30.69 | 79.55  | 22.78 |
|     | 48                       | 44.09                       | 25.63 | 49.47   | 27.09 | 55.23   | 28.33 | 58.14 | 27.76 | 61.05   | 27.79 | 66.86   | 28.93 | 72.67  | 21.47 |
|     | 50                       | 41.62                       | 24.69 | 46.30   | 25.88 | 51.75   | 27.10 | 54.47 | 26.55 | 57.20   | 26.58 | 62.64   | 27.67 | 68.09  | 20.54 |
|     | 52                       | 38.10                       | 23.07 | 43.18   | 24.63 | 48.27   | 25.79 | 50.81 | 25.27 | 53.35   | 25.30 | 58.43   | 26.34 | 63.51  | 19.55 |
|     | 55                       | 35.35                       | 21.84 | 40.07   | 23.32 | 44.78   | 24.41 | 47.14 | 23.92 | 49.50   | 23.95 | 54.21   | 24.93 | 58.92  | 18.50 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.12:30HP cooling capacity(continued)

| CR  | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |       |         |       |         |       |       |       |         |       |         |       |       |       |
|-----|--------------------------|-----------------------------|-------|---------|-------|---------|-------|-------|-------|---------|-------|---------|-------|-------|-------|
|     |                          | 20.8/14                     |       | 23.3/16 |       | 25.8/18 |       | 27/19 |       | 28.2/20 |       | 30.7/22 |       | 32/24 |       |
|     |                          | TC                          | PI    | TC      | PI    | TC      | PI    | TC    | PI    | TC      | PI    | TC      | PI    | TC    | PI    |
| 70% | -15                      | 38.58                       | 6.69  | 44.09   | 7.21  | 55.10   | 8.44  | 60.73 | 8.65  | 66.24   | 9.00  | 77.14   | 9.96  | 86.76 | 7.65  |
|     | -10                      | 38.58                       | 7.80  | 44.09   | 8.40  | 55.10   | 9.84  | 60.73 | 10.09 | 66.24   | 10.50 | 77.14   | 11.62 | 86.76 | 8.92  |
|     | -5                       | 38.58                       | 8.93  | 44.09   | 9.62  | 55.10   | 11.26 | 60.73 | 11.55 | 66.24   | 12.01 | 77.14   | 13.30 | 86.76 | 10.21 |
|     | -2                       | 38.58                       | 9.62  | 44.09   | 10.36 | 55.10   | 12.13 | 60.73 | 12.44 | 66.24   | 12.94 | 77.14   | 14.32 | 86.76 | 11.00 |
|     | 0                        | 38.58                       | 10.08 | 44.09   | 10.85 | 55.10   | 12.71 | 60.73 | 13.04 | 66.24   | 13.56 | 77.14   | 15.01 | 86.76 | 11.53 |
|     | 2                        | 38.58                       | 10.55 | 44.09   | 11.35 | 55.10   | 13.29 | 60.73 | 13.64 | 66.24   | 14.18 | 77.14   | 15.70 | 86.76 | 12.06 |
|     | 4                        | 38.58                       | 11.01 | 44.09   | 11.86 | 55.10   | 13.88 | 60.73 | 14.24 | 66.24   | 14.81 | 77.14   | 16.39 | 86.76 | 12.59 |
|     | 6                        | 38.58                       | 11.48 | 44.09   | 12.36 | 55.10   | 14.47 | 60.73 | 14.85 | 66.24   | 15.44 | 77.14   | 17.09 | 86.76 | 13.13 |
|     | 8                        | 38.58                       | 11.96 | 44.09   | 12.87 | 55.10   | 15.07 | 60.73 | 15.46 | 66.24   | 16.08 | 77.14   | 17.80 | 86.76 | 13.67 |
|     | 10                       | 38.58                       | 12.43 | 44.09   | 13.39 | 55.10   | 15.67 | 60.73 | 16.08 | 66.24   | 16.72 | 77.14   | 18.51 | 86.76 | 14.21 |
|     | 12                       | 38.58                       | 12.91 | 44.09   | 13.90 | 55.10   | 16.28 | 60.73 | 16.70 | 66.24   | 17.37 | 77.14   | 19.22 | 86.76 | 14.76 |
|     | 14                       | 38.58                       | 13.39 | 44.09   | 14.42 | 55.10   | 16.89 | 60.73 | 17.32 | 66.24   | 18.01 | 77.14   | 19.94 | 86.76 | 15.31 |
|     | 16                       | 38.58                       | 13.88 | 44.09   | 14.95 | 55.10   | 17.50 | 60.73 | 17.95 | 66.24   | 18.67 | 77.14   | 20.66 | 86.76 | 15.87 |
|     | 18                       | 38.58                       | 14.37 | 44.09   | 15.47 | 55.10   | 18.11 | 60.73 | 18.58 | 66.24   | 19.33 | 77.14   | 21.39 | 86.76 | 16.43 |
|     | 20                       | 38.58                       | 14.86 | 44.09   | 16.00 | 55.10   | 18.73 | 60.73 | 19.22 | 66.24   | 19.99 | 77.14   | 22.12 | 86.76 | 16.99 |
|     | 21                       | 38.58                       | 15.11 | 44.09   | 16.27 | 55.10   | 19.05 | 60.73 | 19.54 | 66.24   | 20.32 | 77.14   | 22.49 | 86.76 | 17.27 |
|     | 23                       | 38.58                       | 15.61 | 44.09   | 16.80 | 55.10   | 19.67 | 60.73 | 20.18 | 66.24   | 20.99 | 77.14   | 23.23 | 86.76 | 17.84 |
|     | 25                       | 38.58                       | 16.11 | 44.09   | 17.34 | 55.10   | 20.30 | 60.73 | 20.83 | 66.24   | 21.66 | 77.14   | 23.98 | 86.76 | 18.41 |
|     | 27                       | 38.58                       | 16.61 | 44.09   | 17.88 | 55.10   | 20.94 | 60.73 | 21.48 | 66.24   | 22.34 | 77.14   | 24.72 | 86.76 | 18.99 |
|     | 29                       | 38.58                       | 17.12 | 44.09   | 18.43 | 55.10   | 21.58 | 60.73 | 22.13 | 66.24   | 23.02 | 77.14   | 25.48 | 86.76 | 19.57 |
|     | 31                       | 38.58                       | 17.63 | 44.09   | 18.98 | 55.10   | 22.22 | 60.73 | 22.79 | 66.24   | 23.71 | 77.14   | 26.24 | 86.76 | 20.15 |
|     | 33                       | 38.58                       | 18.14 | 44.09   | 19.53 | 55.10   | 22.87 | 60.73 | 23.46 | 66.24   | 24.40 | 77.14   | 27.00 | 86.76 | 20.74 |
|     | 35                       | 38.58                       | 18.66 | 44.09   | 20.09 | 55.10   | 23.52 | 60.73 | 24.13 | 66.24   | 25.09 | 77.14   | 27.77 | 86.76 | 21.33 |
|     | 37                       | 38.58                       | 19.08 | 44.09   | 20.55 | 55.10   | 24.06 | 60.73 | 24.68 | 66.24   | 25.67 | 77.14   | 28.41 | 86.76 | 21.82 |
|     | 39                       | 38.58                       | 19.52 | 44.09   | 21.01 | 55.10   | 24.60 | 60.73 | 25.23 | 66.24   | 26.25 | 77.14   | 29.05 | 86.76 | 22.31 |
|     | 41                       | 38.58                       | 19.95 | 44.09   | 21.48 | 55.10   | 25.15 | 60.73 | 25.79 | 66.24   | 26.83 | 77.14   | 29.69 | 86.76 | 22.81 |
|     | 43                       | 38.58                       | 20.38 | 44.09   | 21.95 | 55.10   | 25.70 | 60.73 | 26.36 | 66.24   | 27.41 | 74.29   | 29.22 | 80.75 | 21.69 |
|     | 46                       | 38.58                       | 20.82 | 44.09   | 22.42 | 55.10   | 26.25 | 59.50 | 26.38 | 64.95   | 27.46 | 68.42   | 27.49 | 74.38 | 20.41 |
|     | 48                       | 38.58                       | 21.49 | 44.09   | 23.13 | 51.58   | 25.36 | 52.17 | 23.87 | 54.44   | 23.75 | 59.63   | 24.72 | 64.81 | 18.35 |
|     | 50                       | 37.98                       | 21.59 | 41.74   | 22.36 | 45.83   | 23.00 | 48.24 | 22.53 | 50.66   | 22.56 | 55.48   | 23.48 | 60.31 | 17.43 |
|     | 52                       | 33.75                       | 19.58 | 38.25   | 20.91 | 42.75   | 21.89 | 45.00 | 21.44 | 47.25   | 21.47 | 51.75   | 22.35 | 56.25 | 16.59 |
|     | 55                       | 31.31                       | 18.53 | 35.49   | 19.79 | 39.66   | 20.72 | 41.75 | 20.30 | 43.84   | 20.32 | 48.01   | 21.16 | 52.19 | 15.70 |
| 60% | -15                      | 33.06                       | 5.46  | 37.87   | 5.89  | 47.25   | 6.89  | 52.06 | 7.06  | 56.75   | 7.34  | 66.24   | 8.14  | 74.80 | 6.28  |
|     | -10                      | 33.06                       | 6.37  | 37.87   | 6.87  | 47.25   | 8.03  | 52.06 | 8.23  | 56.75   | 8.56  | 66.24   | 9.49  | 74.80 | 7.32  |
|     | -5                       | 33.06                       | 7.29  | 37.87   | 7.86  | 47.25   | 9.19  | 52.06 | 9.43  | 56.75   | 9.80  | 66.24   | 10.87 | 74.80 | 8.38  |
|     | -2                       | 33.06                       | 7.85  | 37.87   | 8.47  | 47.25   | 9.90  | 52.06 | 10.15 | 56.75   | 10.55 | 66.24   | 11.70 | 74.80 | 9.02  |
|     | 0                        | 33.06                       | 8.22  | 37.87   | 8.87  | 47.25   | 10.37 | 52.06 | 10.64 | 56.75   | 11.06 | 66.24   | 12.26 | 74.80 | 9.46  |
|     | 2                        | 33.06                       | 8.60  | 37.87   | 9.28  | 47.25   | 10.85 | 52.06 | 11.13 | 56.75   | 11.56 | 66.24   | 12.83 | 74.80 | 9.89  |
|     | 4                        | 33.06                       | 8.98  | 37.87   | 9.69  | 47.25   | 11.33 | 52.06 | 11.62 | 56.75   | 12.08 | 66.24   | 13.40 | 74.80 | 10.33 |
|     | 6                        | 33.06                       | 9.37  | 37.87   | 10.11 | 47.25   | 11.81 | 52.06 | 12.11 | 56.75   | 12.59 | 66.24   | 13.97 | 74.80 | 10.77 |
|     | 8                        | 33.06                       | 9.75  | 37.87   | 10.52 | 47.25   | 12.30 | 52.06 | 12.61 | 56.75   | 13.11 | 66.24   | 14.55 | 74.80 | 11.22 |
|     | 10                       | 33.06                       | 10.14 | 37.87   | 10.94 | 47.25   | 12.79 | 52.06 | 13.12 | 56.75   | 13.63 | 66.24   | 15.13 | 74.80 | 11.66 |
|     | 12                       | 33.06                       | 7.59  | 37.87   | 8.20  | 47.25   | 9.58  | 52.06 | 9.82  | 56.75   | 10.21 | 66.24   | 11.33 | 74.80 | 12.11 |
|     | 14                       | 33.06                       | 7.88  | 37.87   | 8.50  | 47.25   | 9.94  | 52.06 | 10.19 | 56.75   | 10.59 | 66.24   | 11.75 | 74.80 | 12.57 |
|     | 16                       | 33.06                       | 8.16  | 37.87   | 8.81  | 47.25   | 10.30 | 52.06 | 10.56 | 56.75   | 10.98 | 66.24   | 12.18 | 74.80 | 13.02 |
|     | 18                       | 33.06                       | 8.45  | 37.87   | 9.12  | 47.25   | 10.66 | 52.06 | 10.93 | 56.75   | 11.36 | 66.24   | 12.61 | 74.80 | 13.48 |
|     | 20                       | 33.06                       | 8.74  | 37.87   | 9.43  | 47.25   | 11.03 | 52.06 | 11.31 | 56.75   | 11.75 | 66.24   | 13.04 | 74.80 | 13.94 |
|     | 21                       | 33.06                       | 8.89  | 37.87   | 9.59  | 47.25   | 11.21 | 52.06 | 11.50 | 56.75   | 11.95 | 66.24   | 13.26 | 74.80 | 14.18 |
|     | 23                       | 33.06                       | 9.18  | 37.87   | 9.91  | 47.25   | 11.58 | 52.06 | 11.87 | 56.75   | 12.34 | 66.24   | 13.69 | 74.80 | 14.64 |
|     | 25                       | 33.06                       | 9.47  | 37.87   | 10.22 | 47.25   | 11.95 | 52.06 | 12.25 | 56.75   | 12.74 | 66.24   | 14.13 | 74.80 | 15.11 |
|     | 27                       | 33.06                       | 9.77  | 37.87   | 10.54 | 47.25   | 12.32 | 52.06 | 12.64 | 56.75   | 13.14 | 66.24   | 14.57 | 74.80 | 15.58 |
|     | 29                       | 33.06                       | 10.07 | 37.87   | 10.87 | 47.25   | 12.70 | 52.06 | 13.02 | 56.75   | 13.54 | 66.24   | 15.02 | 74.80 | 16.06 |
|     | 31                       | 33.06                       | 10.37 | 37.87   | 11.19 | 47.25   | 13.08 | 52.06 | 13.41 | 56.75   | 13.94 | 66.24   | 15.47 | 74.80 | 16.54 |
|     | 33                       | 33.06                       | 10.67 | 37.87   | 11.51 | 47.25   | 13.46 | 52.06 | 13.80 | 56.75   | 14.35 | 66.24   | 15.92 | 74.80 | 17.02 |
|     | 35                       | 33.06                       | 10.97 | 37.87   | 11.84 | 47.25   | 13.84 | 52.06 | 14.20 | 56.75   | 14.76 | 66.24   | 16.37 | 74.80 | 17.50 |
|     | 37                       | 33.06                       | 11.23 | 37.87   | 12.11 | 47.25   | 14.16 | 52.06 | 14.52 | 56.75   | 15.09 | 66.24   | 16.74 | 74.80 | 17.90 |
|     | 39                       | 33.06                       | 11.48 | 37.87   | 12.39 | 47.25   | 14.48 | 52.06 | 14.85 | 56.75   | 15.43 | 66.24   | 17.12 | 74.80 | 18.31 |
|     | 41                       | 33.06                       | 11.73 | 37.87   | 12.66 | 47.25   | 14.80 | 52.06 | 15.18 | 56.75   | 15.78 | 66.24   | 17.50 | 74.80 | 18.72 |
|     | 43                       | 33.06                       | 11.99 | 37.87   | 12.94 | 47.25   | 15.12 | 52.06 | 15.51 | 56.75   | 16.12 | 66.24   | 17.88 | 74.80 | 19.12 |
|     | 46                       | 33.06                       | 12.25 | 37.87   | 13.22 | 47.25   | 15.45 | 52.06 | 15.84 | 56.75   | 16.47 | 66.24   | 18.27 | 74.38 | 19.43 |
|     | 48                       | 33.06                       | 12.64 | 37.87   | 13.64 | 47.25   | 15.94 | 51.85 | 16.28 | 54.44   | 16.30 | 59.63   | 16.97 | 64.81 | 17.47 |
|     | 50                       | 33.06                       | 12.90 | 37.87   | 13.92 | 44.41   | 15.30 | 46.75 | 14.99 | 49.09   | 15.00 | 53.76   | 15.62 | 58.44 | 16.08 |
|     | 52                       | 31.65                       | 12.60 | 35.40   | 13.28 | 39.57   | 13.91 | 41.65 | 13.62 | 43.73   | 13.64 | 47.90   | 14.20 | 52.06 | 14.62 |
|     | 55                       | 29.43                       | 11.96 | 31.07   | 11.89 | 34.72   | 12.45 | 36.55 | 12.20 | 38.38   | 12.21 | 42.03   | 12.71 | 45.69 | 13.08 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

# V8 PRO VRF 50Hz



Table2-8.12:30HP cooling capacity(continued)

| CR  | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |       |         |       |         |       |       |       |         |       |         |       |       |       |
|-----|--------------------------|-----------------------------|-------|---------|-------|---------|-------|-------|-------|---------|-------|---------|-------|-------|-------|
|     |                          | 20.8/14                     |       | 23.3/16 |       | 25.8/18 |       | 27/19 |       | 28.2/20 |       | 30.7/22 |       | 32/24 |       |
|     |                          | TC                          | PI    | TC      | PI    | TC      | PI    | TC    | PI    | TC      | PI    | TC      | PI    | TC    | PI    |
| 50% | -15                      | 27.55                       | 3.10  | 31.54   | 3.34  | 39.40   | 3.91  | 43.38 | 4.01  | 47.25   | 4.16  | 55.10   | 4.61  | 63.08 | 5.00  |
|     | -10                      | 27.55                       | 3.61  | 31.54   | 3.89  | 39.40   | 4.56  | 43.38 | 4.67  | 47.25   | 4.85  | 55.10   | 5.38  | 63.08 | 5.83  |
|     | -5                       | 27.55                       | 4.13  | 31.54   | 4.46  | 39.40   | 5.22  | 43.38 | 5.35  | 47.25   | 5.55  | 55.10   | 6.15  | 63.08 | 6.67  |
|     | -2                       | 27.55                       | 4.45  | 31.54   | 4.80  | 39.40   | 5.62  | 43.38 | 5.76  | 47.25   | 5.98  | 55.10   | 6.63  | 63.08 | 7.18  |
|     | 0                        | 27.55                       | 4.66  | 31.54   | 5.03  | 39.40   | 5.89  | 43.38 | 6.03  | 47.25   | 6.27  | 55.10   | 6.95  | 63.08 | 7.53  |
|     | 2                        | 27.55                       | 4.88  | 31.54   | 5.26  | 39.40   | 6.16  | 43.38 | 6.31  | 47.25   | 6.55  | 55.10   | 7.27  | 63.08 | 7.88  |
|     | 4                        | 27.55                       | 5.10  | 31.54   | 5.50  | 39.40   | 6.43  | 43.38 | 6.59  | 47.25   | 6.85  | 55.10   | 7.59  | 63.08 | 8.23  |
|     | 6                        | 27.55                       | 5.31  | 31.54   | 5.73  | 39.40   | 6.71  | 43.38 | 6.87  | 47.25   | 7.14  | 55.10   | 7.91  | 63.08 | 8.58  |
|     | 8                        | 27.55                       | 5.53  | 31.54   | 5.97  | 39.40   | 6.98  | 43.38 | 7.16  | 47.25   | 7.43  | 55.10   | 8.24  | 63.08 | 8.93  |
|     | 10                       | 27.55                       | 5.75  | 31.54   | 6.20  | 39.40   | 7.26  | 43.38 | 7.44  | 47.25   | 7.73  | 55.10   | 8.57  | 63.08 | 9.29  |
|     | 12                       | 27.55                       | 5.97  | 31.54   | 6.44  | 39.40   | 7.54  | 43.38 | 7.73  | 47.25   | 8.03  | 55.10   | 8.90  | 63.08 | 9.64  |
|     | 14                       | 27.55                       | 6.20  | 31.54   | 6.69  | 39.40   | 7.82  | 43.38 | 8.02  | 47.25   | 8.33  | 55.10   | 9.23  | 63.08 | 10.00 |
|     | 16                       | 27.55                       | 6.42  | 31.54   | 6.93  | 39.40   | 8.11  | 43.38 | 8.31  | 47.25   | 8.63  | 55.10   | 9.56  | 63.08 | 10.37 |
|     | 18                       | 27.55                       | 6.65  | 31.54   | 7.17  | 39.40   | 8.39  | 43.38 | 8.60  | 47.25   | 8.93  | 55.10   | 9.90  | 63.08 | 10.73 |
|     | 20                       | 27.55                       | 6.88  | 31.54   | 7.42  | 39.40   | 8.68  | 43.38 | 8.89  | 47.25   | 9.24  | 55.10   | 10.24 | 63.08 | 11.10 |
|     | 21                       | 27.55                       | 6.99  | 31.54   | 7.54  | 39.40   | 8.82  | 43.38 | 9.04  | 47.25   | 9.39  | 55.10   | 10.41 | 63.08 | 11.29 |
|     | 23                       | 27.55                       | 7.22  | 31.54   | 7.79  | 39.40   | 9.12  | 43.38 | 9.34  | 47.25   | 9.70  | 55.10   | 10.75 | 63.08 | 11.66 |
|     | 25                       | 27.55                       | 7.45  | 31.54   | 8.04  | 39.40   | 9.41  | 43.38 | 9.64  | 47.25   | 10.01 | 55.10   | 11.10 | 63.08 | 12.03 |
|     | 27                       | 27.55                       | 7.69  | 31.54   | 8.29  | 39.40   | 9.70  | 43.38 | 9.94  | 47.25   | 10.32 | 55.10   | 11.44 | 63.08 | 12.41 |
|     | 29                       | 27.55                       | 7.92  | 31.54   | 8.54  | 39.40   | 10.00 | 43.38 | 10.24 | 47.25   | 10.64 | 55.10   | 11.79 | 63.08 | 12.78 |
|     | 31                       | 27.55                       | 8.16  | 31.54   | 8.80  | 39.40   | 10.30 | 43.38 | 10.55 | 47.25   | 10.96 | 55.10   | 12.14 | 63.08 | 13.17 |
|     | 33                       | 27.55                       | 8.39  | 31.54   | 9.05  | 39.40   | 10.60 | 43.38 | 10.86 | 47.25   | 11.28 | 55.10   | 12.50 | 63.08 | 13.55 |
|     | 35                       | 27.55                       | 8.63  | 31.54   | 9.31  | 39.40   | 10.90 | 43.38 | 11.17 | 47.25   | 11.60 | 55.10   | 12.85 | 63.08 | 13.93 |
|     | 37                       | 27.55                       | 8.83  | 31.54   | 9.52  | 39.40   | 11.15 | 43.38 | 11.42 | 47.25   | 11.86 | 55.10   | 13.15 | 63.08 | 14.25 |
|     | 39                       | 27.55                       | 9.03  | 31.54   | 9.74  | 39.40   | 11.40 | 43.38 | 11.68 | 47.25   | 12.13 | 55.10   | 13.45 | 63.08 | 14.58 |
|     | 41                       | 27.55                       | 9.23  | 31.54   | 9.96  | 39.40   | 11.65 | 43.38 | 11.94 | 47.25   | 12.40 | 55.10   | 13.74 | 63.08 | 14.90 |
|     | 43                       | 27.55                       | 9.43  | 31.54   | 10.17 | 39.40   | 11.91 | 43.38 | 12.20 | 47.25   | 12.67 | 55.10   | 14.04 | 63.08 | 15.23 |
|     | 46                       | 27.55                       | 9.64  | 31.54   | 10.39 | 39.40   | 12.16 | 43.38 | 12.46 | 47.25   | 12.94 | 55.10   | 14.35 | 63.08 | 15.55 |
|     | 48                       | 27.55                       | 9.94  | 31.54   | 10.72 | 39.40   | 12.55 | 43.38 | 12.86 | 47.25   | 13.36 | 55.10   | 14.80 | 63.08 | 16.05 |
|     | 50                       | 27.55                       | 10.15 | 31.54   | 10.95 | 39.40   | 12.81 | 43.38 | 13.13 | 47.25   | 13.63 | 53.76   | 14.74 | 58.44 | 15.18 |
|     | 52                       | 27.55                       | 10.36 | 31.54   | 11.17 | 39.40   | 13.07 | 41.65 | 12.86 | 43.73   | 12.88 | 47.90   | 13.40 | 52.06 | 13.80 |
|     | 55                       | 27.55                       | 10.57 | 31.07   | 11.23 | 34.72   | 11.75 | 36.55 | 11.51 | 38.38   | 11.53 | 42.03   | 12.00 | 45.69 | 12.35 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.



Table2-8.13:32HP cooling capacity

| CR   | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |       |         |       |         |       |        |       |         |       |         |       |        |       |
|------|--------------------------|-----------------------------|-------|---------|-------|---------|-------|--------|-------|---------|-------|---------|-------|--------|-------|
|      |                          | 20.8/14                     |       | 23.3/16 |       | 25.8/18 |       | 27/19  |       | 28.2/20 |       | 30.7/22 |       | 32/24  |       |
|      |                          | TC                          | PI    | TC      | PI    | TC      | PI    | TC     | PI    | TC      | PI    | TC      | PI    | TC     | PI    |
| 130% | -15                      | 72.20                       | 14.87 | 82.51   | 16.01 | 101.17  | 18.40 | 111.24 | 18.83 | 121.31  | 19.58 | 128.19  | 19.66 | 131.25 | 13.11 |
|      | -10                      | 72.20                       | 17.02 | 82.51   | 18.33 | 101.17  | 21.05 | 111.24 | 21.54 | 121.31  | 22.40 | 128.19  | 22.50 | 131.25 | 15.01 |
|      | -5                       | 72.20                       | 19.21 | 82.51   | 20.68 | 101.17  | 23.75 | 111.24 | 24.31 | 121.31  | 25.28 | 128.19  | 25.39 | 131.25 | 16.93 |
|      | -2                       | 72.20                       | 20.53 | 82.51   | 22.11 | 101.17  | 25.39 | 111.24 | 25.99 | 121.31  | 27.02 | 128.19  | 27.14 | 131.25 | 18.10 |
|      | 0                        | 72.20                       | 21.42 | 82.51   | 23.07 | 101.17  | 26.50 | 111.24 | 27.12 | 121.31  | 28.20 | 128.19  | 28.32 | 131.25 | 18.89 |
|      | 2                        | 72.20                       | 22.32 | 82.51   | 24.03 | 101.17  | 27.61 | 111.24 | 28.25 | 121.31  | 29.38 | 128.19  | 29.51 | 131.25 | 19.68 |
|      | 4                        | 72.20                       | 23.23 | 82.51   | 25.01 | 101.17  | 28.73 | 111.24 | 29.40 | 121.31  | 30.57 | 128.19  | 30.70 | 131.25 | 20.48 |
|      | 6                        | 72.20                       | 24.14 | 82.51   | 25.99 | 101.17  | 29.85 | 111.24 | 30.55 | 121.31  | 31.76 | 128.19  | 31.90 | 131.25 | 21.28 |
|      | 8                        | 72.20                       | 25.05 | 82.51   | 26.97 | 101.17  | 30.98 | 111.24 | 31.71 | 121.31  | 32.97 | 128.19  | 33.11 | 131.25 | 22.09 |
|      | 10                       | 72.20                       | 25.97 | 82.51   | 27.96 | 101.17  | 32.12 | 111.24 | 32.87 | 121.31  | 34.18 | 128.19  | 34.33 | 131.25 | 22.90 |
|      | 12                       | 72.20                       | 26.90 | 82.51   | 28.96 | 101.17  | 33.27 | 111.24 | 34.05 | 121.31  | 35.40 | 128.19  | 35.56 | 131.25 | 23.72 |
|      | 14                       | 72.20                       | 27.83 | 82.51   | 29.97 | 101.17  | 34.42 | 111.24 | 35.23 | 121.31  | 36.63 | 128.19  | 36.79 | 131.25 | 24.54 |
|      | 16                       | 72.20                       | 28.77 | 82.51   | 30.98 | 101.17  | 35.59 | 111.24 | 36.42 | 121.31  | 37.87 | 128.19  | 38.03 | 131.25 | 25.37 |
|      | 18                       | 72.20                       | 29.72 | 82.51   | 32.00 | 101.17  | 36.76 | 111.24 | 37.61 | 121.31  | 39.11 | 128.19  | 39.28 | 131.25 | 26.20 |
|      | 20                       | 72.20                       | 30.67 | 82.51   | 33.02 | 101.17  | 37.93 | 111.24 | 38.82 | 121.31  | 40.37 | 128.19  | 40.54 | 131.25 | 27.04 |
|      | 21                       | 72.20                       | 31.15 | 82.51   | 33.54 | 101.17  | 38.52 | 111.24 | 39.42 | 121.31  | 40.99 | 128.19  | 41.17 | 131.25 | 27.46 |
|      | 23                       | 72.20                       | 32.11 | 82.51   | 34.57 | 101.17  | 39.71 | 111.24 | 40.64 | 121.31  | 42.26 | 128.19  | 42.44 | 131.25 | 28.31 |
|      | 25                       | 72.20                       | 33.08 | 82.51   | 35.61 | 101.17  | 40.91 | 111.24 | 41.86 | 121.31  | 43.53 | 128.19  | 43.72 | 131.25 | 29.16 |
|      | 27                       | 72.20                       | 34.05 | 82.51   | 36.66 | 101.17  | 42.11 | 111.24 | 43.10 | 121.31  | 44.81 | 128.19  | 45.01 | 131.25 | 30.02 |
|      | 29                       | 72.20                       | 35.03 | 82.51   | 37.72 | 101.17  | 43.33 | 111.24 | 44.34 | 121.31  | 46.10 | 128.19  | 46.30 | 131.25 | 30.88 |
|      | 31                       | 72.20                       | 36.02 | 82.51   | 38.78 | 101.17  | 44.55 | 111.24 | 45.59 | 118.61  | 46.35 | 128.19  | 47.61 | 131.25 | 31.75 |
|      | 33                       | 72.20                       | 37.01 | 82.51   | 39.85 | 99.91   | 45.20 | 105.17 | 44.29 | 110.43  | 44.34 | 120.95  | 46.16 | 131.25 | 32.63 |
|      | 35                       | 72.20                       | 38.01 | 82.51   | 40.92 | 94.78   | 44.04 | 97.38  | 42.11 | 102.25  | 42.16 | 111.99  | 43.89 | 121.72 | 31.08 |
|      | 37                       | 70.97                       | 38.17 | 80.92   | 41.01 | 93.06   | 44.18 | 95.27  | 42.09 | 99.30   | 41.84 | 108.76  | 43.55 | 118.21 | 30.84 |
|      | 39                       | 70.84                       | 38.92 | 81.04   | 41.94 | 91.23   | 44.24 | 93.81  | 42.33 | 97.27   | 41.86 | 106.54  | 43.57 | 115.80 | 30.85 |
|      | 41                       | 70.72                       | 39.67 | 81.04   | 42.83 | 87.30   | 43.22 | 90.71  | 41.80 | 95.25   | 41.85 | 104.32  | 43.56 | 113.39 | 30.85 |
|      | 43                       | 70.72                       | 40.49 | 77.35   | 41.72 | 84.35   | 42.62 | 88.79  | 41.76 | 93.22   | 41.81 | 102.10  | 43.52 | 110.98 | 30.82 |
|      | 46                       | 67.78                       | 39.60 | 73.83   | 40.64 | 82.51   | 42.55 | 86.86  | 41.69 | 91.20   | 41.74 | 99.89   | 43.45 | 108.57 | 30.76 |
|      | 48                       | 58.15                       | 35.00 | 65.90   | 37.37 | 73.65   | 39.13 | 77.53  | 38.34 | 81.41   | 38.38 | 89.16   | 39.96 | 96.91  | 28.29 |
|      | 50                       | 53.48                       | 32.83 | 60.61   | 35.06 | 67.74   | 36.71 | 71.31  | 35.96 | 74.88   | 36.00 | 82.01   | 37.48 | 89.14  | 26.54 |
|      | 52                       | 48.82                       | 30.55 | 55.33   | 32.62 | 61.84   | 34.16 | 65.09  | 33.47 | 68.35   | 33.51 | 74.86   | 34.88 | 81.36  | 24.70 |
|      | 55                       | 44.15                       | 28.17 | 50.04   | 30.08 | 55.93   | 31.49 | 58.87  | 30.85 | 61.82   | 30.89 | 67.70   | 32.15 | 73.59  | 22.77 |
| 120% | -15                      | 67.78                       | 14.50 | 77.47   | 15.61 | 95.65   | 18.06 | 105.71 | 18.58 | 114.06  | 19.11 | 124.87  | 19.89 | 128.55 | 13.34 |
|      | -10                      | 67.78                       | 16.60 | 77.47   | 17.87 | 95.65   | 20.67 | 105.71 | 21.26 | 114.06  | 21.87 | 124.87  | 22.76 | 128.55 | 15.26 |
|      | -5                       | 67.78                       | 18.72 | 77.47   | 20.16 | 95.65   | 23.32 | 105.71 | 23.99 | 114.06  | 24.68 | 124.87  | 25.68 | 128.55 | 17.22 |
|      | -2                       | 67.78                       | 20.02 | 77.47   | 21.56 | 95.65   | 24.93 | 105.71 | 25.65 | 114.06  | 26.39 | 124.87  | 27.45 | 128.55 | 18.41 |
|      | 0                        | 67.78                       | 20.89 | 77.47   | 22.49 | 95.65   | 26.02 | 105.71 | 26.76 | 114.06  | 27.53 | 124.87  | 28.65 | 128.55 | 19.21 |
|      | 2                        | 67.78                       | 21.76 | 77.47   | 23.43 | 95.65   | 27.11 | 105.71 | 27.88 | 114.06  | 28.69 | 124.87  | 29.85 | 128.55 | 20.02 |
|      | 4                        | 67.78                       | 22.64 | 77.47   | 24.38 | 95.65   | 28.20 | 105.71 | 29.01 | 114.06  | 29.85 | 124.87  | 31.06 | 128.55 | 20.83 |
|      | 6                        | 67.78                       | 23.53 | 77.47   | 25.34 | 95.65   | 29.31 | 105.71 | 30.15 | 114.06  | 31.02 | 124.87  | 32.27 | 128.55 | 21.64 |
|      | 8                        | 67.78                       | 24.42 | 77.47   | 26.30 | 95.65   | 30.42 | 105.71 | 31.29 | 114.06  | 32.19 | 124.87  | 33.50 | 128.55 | 22.46 |
|      | 10                       | 67.78                       | 25.32 | 77.47   | 27.27 | 95.65   | 31.54 | 105.71 | 32.44 | 114.06  | 33.38 | 124.87  | 34.73 | 128.55 | 23.29 |
|      | 12                       | 67.78                       | 26.23 | 77.47   | 28.24 | 95.65   | 32.66 | 105.71 | 33.60 | 114.06  | 34.57 | 124.87  | 35.97 | 128.55 | 24.12 |
|      | 14                       | 67.78                       | 27.14 | 77.47   | 29.22 | 95.65   | 33.80 | 105.71 | 34.76 | 114.06  | 35.77 | 124.87  | 37.22 | 128.55 | 24.96 |
|      | 16                       | 67.78                       | 28.05 | 77.47   | 30.21 | 95.65   | 34.94 | 105.71 | 35.94 | 114.06  | 36.97 | 124.87  | 38.47 | 128.55 | 25.80 |
|      | 18                       | 67.78                       | 28.97 | 77.47   | 31.20 | 95.65   | 36.09 | 105.71 | 37.12 | 114.06  | 38.19 | 124.87  | 39.74 | 128.55 | 26.65 |
|      | 20                       | 67.78                       | 29.90 | 77.47   | 32.20 | 95.65   | 37.24 | 105.71 | 38.31 | 114.06  | 39.41 | 124.87  | 41.01 | 128.55 | 27.50 |
|      | 21                       | 67.78                       | 30.37 | 77.47   | 32.70 | 95.65   | 37.82 | 105.71 | 38.90 | 114.06  | 40.03 | 124.87  | 41.65 | 128.55 | 27.93 |
|      | 23                       | 67.78                       | 31.30 | 77.47   | 33.71 | 95.65   | 38.99 | 105.71 | 40.11 | 114.06  | 41.26 | 124.87  | 42.93 | 128.55 | 28.79 |
|      | 25                       | 67.78                       | 32.25 | 77.47   | 34.72 | 95.65   | 40.17 | 105.71 | 41.31 | 114.06  | 42.51 | 124.87  | 44.23 | 128.55 | 29.66 |
|      | 27                       | 67.78                       | 33.20 | 77.47   | 35.75 | 95.65   | 41.35 | 105.71 | 42.53 | 114.06  | 43.76 | 124.87  | 45.53 | 128.55 | 30.53 |
|      | 29                       | 67.78                       | 34.15 | 77.47   | 36.78 | 95.65   | 42.54 | 105.71 | 43.75 | 114.06  | 45.02 | 124.87  | 46.84 | 128.55 | 31.41 |
|      | 31                       | 67.78                       | 35.11 | 77.47   | 37.81 | 95.65   | 43.74 | 105.71 | 44.99 | 114.06  | 46.28 | 124.87  | 48.16 | 128.55 | 32.30 |
|      | 33                       | 67.78                       | 36.08 | 77.47   | 38.85 | 95.65   | 44.94 | 102.35 | 44.76 | 107.47  | 44.81 | 117.70  | 46.65 | 127.94 | 33.03 |
|      | 35                       | 67.78                       | 37.06 | 77.47   | 39.90 | 92.94   | 44.85 | 95.65  | 42.96 | 99.51   | 42.61 | 108.99  | 44.36 | 118.46 | 31.41 |
|      | 37                       | 67.78                       | 37.86 | 77.47   | 40.77 | 91.47   | 45.09 | 93.68  | 42.98 | 96.17   | 42.07 | 105.32  | 43.80 | 114.48 | 31.01 |
|      | 39                       | 67.29                       | 38.39 | 76.26   | 40.99 | 89.88   | 45.26 | 92.33  | 43.27 | 94.54   | 42.25 | 103.18  | 43.82 | 112.15 | 31.03 |
|      | 41                       | 66.55                       | 38.77 | 76.00   | 41.71 | 85.70   | 44.06 | 87.85  | 42.04 | 92.24   | 42.09 | 101.03  | 43.81 | 109.81 | 31.02 |
|      | 43                       | 66.55                       | 39.57 | 75.87   | 42.50 | 81.68   | 42.87 | 85.98  | 42.00 | 90.28   | 42.05 | 98.88   | 43.77 | 107.48 | 30.99 |
|      | 46                       | 66.55                       | 40.38 | 71.50   | 40.87 | 79.91   | 42.79 | 84.11  | 41.92 | 88.32   | 41.98 | 96.73   | 43.69 | 105.14 | 30.94 |
|      | 48                       | 56.31                       | 35.20 | 63.82   | 37.59 | 71.33   | 39.36 | 75.08  | 38.56 | 78.84   | 38.60 | 86.34   | 40.18 | 93.85  | 28.45 |
|      | 50                       | 51.79                       | 33.02 | 58.70   | 35.26 | 65.61   | 36.92 | 69.06  | 36.17 | 72.51   | 36.21 | 79.42   | 37.69 | 86.32  | 26.69 |
|      | 52                       | 47.28                       | 30.73 | 53.58   | 32.81 | 59.88   | 34.35 | 63.04  | 33.66 | 66.19   | 33.70 | 72.49   | 35.08 | 78.80  | 24.84 |
|      | 55                       | 42.76                       | 28.33 | 48.46   | 30.25 | 54.16   | 31.67 | 57.01  | 31.03 | 59.86   | 31.06 | 65.57   | 32.34 | 71.27  | 22.90 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

## V8 PRO VRF 50Hz



Table2-8.13:32HP cooling capacity(continued)

| CR   | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |       |         |       |         |       |       |       |         |       |         |       |        |       |
|------|--------------------------|-----------------------------|-------|---------|-------|---------|-------|-------|-------|---------|-------|---------|-------|--------|-------|
|      |                          | 20.8/14                     |       | 23.3/16 |       | 25.8/18 |       | 27/19 |       | 28.2/20 |       | 30.7/22 |       | 32/24  |       |
|      |                          | TC                          | PI    | TC      | PI    | TC      | PI    | TC    | PI    | TC      | PI    | TC      | PI    | TC     | PI    |
| 110% | -15                      | 63.24                       | 14.08 | 72.20   | 15.15 | 88.64   | 17.42 | 97.48 | 17.83 | 106.82  | 18.63 | 122.41  | 20.29 | 124.87 | 13.49 |
|      | -10                      | 63.24                       | 16.12 | 72.20   | 17.34 | 88.64   | 19.94 | 97.48 | 20.41 | 106.82  | 21.32 | 122.41  | 23.23 | 124.87 | 15.43 |
|      | -5                       | 63.24                       | 18.18 | 72.20   | 19.56 | 88.64   | 22.50 | 97.48 | 23.03 | 106.82  | 24.06 | 122.41  | 26.20 | 124.87 | 17.41 |
|      | -2                       | 63.24                       | 19.44 | 72.20   | 20.91 | 88.64   | 24.05 | 97.48 | 24.62 | 106.82  | 25.72 | 122.41  | 28.02 | 124.87 | 18.62 |
|      | 0                        | 63.24                       | 20.29 | 72.20   | 21.82 | 88.64   | 25.10 | 97.48 | 25.69 | 106.82  | 26.84 | 122.41  | 29.23 | 124.87 | 19.43 |
|      | 2                        | 63.24                       | 21.14 | 72.20   | 22.73 | 88.64   | 26.15 | 97.48 | 26.76 | 106.82  | 27.96 | 122.41  | 30.46 | 124.87 | 20.24 |
|      | 4                        | 63.24                       | 21.99 | 72.20   | 23.65 | 88.64   | 27.21 | 97.48 | 27.85 | 106.82  | 29.10 | 122.41  | 31.69 | 124.87 | 21.06 |
|      | 6                        | 63.24                       | 22.85 | 72.20   | 24.58 | 88.64   | 28.27 | 97.48 | 28.94 | 106.82  | 30.24 | 122.41  | 32.93 | 124.87 | 21.88 |
|      | 8                        | 63.24                       | 23.72 | 72.20   | 25.51 | 88.64   | 29.34 | 97.48 | 30.03 | 106.82  | 31.38 | 122.41  | 34.18 | 124.87 | 22.71 |
|      | 10                       | 63.24                       | 24.59 | 72.20   | 26.45 | 88.64   | 30.42 | 97.48 | 31.14 | 106.82  | 32.54 | 122.41  | 35.44 | 124.87 | 23.55 |
|      | 12                       | 63.24                       | 25.47 | 72.20   | 27.40 | 88.64   | 31.51 | 97.48 | 32.25 | 106.82  | 33.70 | 122.41  | 36.70 | 124.87 | 24.39 |
|      | 14                       | 63.24                       | 26.35 | 72.20   | 28.35 | 88.64   | 32.60 | 97.48 | 33.37 | 106.82  | 34.87 | 122.41  | 37.98 | 124.87 | 25.24 |
|      | 16                       | 63.24                       | 27.24 | 72.20   | 29.30 | 88.64   | 33.70 | 97.48 | 34.50 | 106.82  | 36.05 | 122.41  | 39.26 | 124.87 | 26.09 |
|      | 18                       | 63.24                       | 28.14 | 72.20   | 30.27 | 88.64   | 34.81 | 97.48 | 35.63 | 106.82  | 37.23 | 122.41  | 40.55 | 124.87 | 26.95 |
|      | 20                       | 63.24                       | 29.04 | 72.20   | 31.24 | 88.64   | 35.93 | 97.48 | 36.77 | 106.82  | 38.42 | 122.41  | 41.85 | 124.87 | 27.81 |
|      | 21                       | 63.24                       | 29.49 | 72.20   | 31.72 | 88.64   | 36.49 | 97.48 | 37.34 | 106.82  | 39.02 | 122.41  | 42.50 | 124.87 | 28.24 |
|      | 23                       | 63.24                       | 30.40 | 72.20   | 32.70 | 88.64   | 37.61 | 97.48 | 38.50 | 106.82  | 40.23 | 122.41  | 43.81 | 124.87 | 29.11 |
|      | 25                       | 63.24                       | 31.32 | 72.20   | 33.69 | 88.64   | 38.75 | 97.48 | 39.66 | 106.82  | 41.44 | 122.41  | 45.13 | 124.87 | 29.99 |
|      | 27                       | 63.24                       | 32.24 | 72.20   | 34.68 | 88.64   | 39.89 | 97.48 | 40.82 | 106.82  | 42.66 | 122.41  | 46.46 | 124.87 | 30.87 |
|      | 29                       | 63.24                       | 33.17 | 72.20   | 35.68 | 88.64   | 41.03 | 97.48 | 42.00 | 106.82  | 43.88 | 122.41  | 47.80 | 124.87 | 31.76 |
|      | 31                       | 63.24                       | 34.10 | 72.20   | 36.68 | 88.64   | 42.19 | 97.48 | 43.18 | 106.82  | 45.12 | 120.66  | 48.44 | 124.87 | 32.66 |
|      | 33                       | 63.24                       | 35.04 | 72.20   | 37.69 | 88.64   | 43.35 | 97.48 | 44.37 | 102.57  | 44.52 | 112.34  | 46.34 | 122.11 | 32.81 |
|      | 35                       | 63.24                       | 35.99 | 72.20   | 38.71 | 88.52   | 44.46 | 93.56 | 43.74 | 95.53   | 42.58 | 104.02  | 44.07 | 113.06 | 31.20 |
|      | 37                       | 63.24                       | 36.77 | 72.20   | 39.55 | 88.52   | 45.43 | 91.96 | 43.92 | 94.05   | 42.83 | 100.76  | 43.62 | 109.53 | 30.88 |
|      | 39                       | 63.24                       | 37.55 | 72.20   | 40.39 | 88.40   | 46.33 | 90.49 | 44.14 | 92.82   | 43.18 | 98.71   | 43.64 | 107.29 | 30.90 |
|      | 41                       | 63.24                       | 38.35 | 72.20   | 41.24 | 84.47   | 45.21 | 86.68 | 43.17 | 88.25   | 41.91 | 96.65   | 43.63 | 105.06 | 30.89 |
|      | 43                       | 61.88                       | 38.30 | 70.84   | 41.31 | 78.15   | 42.69 | 82.26 | 41.82 | 86.37   | 41.87 | 94.60   | 43.59 | 102.83 | 30.86 |
|      | 46                       | 62.01                       | 39.16 | 68.40   | 40.70 | 76.45   | 42.62 | 80.47 | 41.75 | 84.50   | 41.80 | 92.54   | 43.51 | 100.59 | 30.81 |
|      | 48                       | 53.87                       | 35.06 | 61.06   | 37.43 | 68.24   | 39.19 | 71.83 | 38.40 | 75.42   | 38.44 | 82.61   | 40.02 | 89.79  | 28.34 |
|      | 50                       | 49.55                       | 32.88 | 56.16   | 35.11 | 62.77   | 36.76 | 66.07 | 36.02 | 69.37   | 36.06 | 75.98   | 37.54 | 82.59  | 26.58 |
|      | 52                       | 45.23                       | 30.60 | 51.26   | 32.67 | 57.29   | 34.21 | 60.31 | 33.52 | 63.32   | 33.56 | 69.35   | 34.93 | 75.38  | 24.73 |
|      | 55                       | 40.91                       | 28.21 | 46.36   | 30.12 | 51.82   | 31.54 | 54.55 | 30.90 | 57.27   | 30.94 | 62.73   | 32.20 | 68.18  | 22.80 |
| 100% | -15                      | 58.44                       | 13.58 | 66.79   | 14.62 | 83.25   | 17.08 | 90.37 | 17.25 | 99.08   | 18.03 | 114.93  | 19.88 | 121.80 | 13.73 |
|      | -10                      | 58.44                       | 15.54 | 66.79   | 16.73 | 83.25   | 19.54 | 90.37 | 19.74 | 99.08   | 20.64 | 114.93  | 22.75 | 121.80 | 15.71 |
|      | -5                       | 58.44                       | 17.54 | 66.79   | 18.88 | 83.25   | 22.05 | 90.37 | 22.27 | 99.08   | 23.29 | 114.93  | 25.67 | 121.80 | 17.72 |
|      | -2                       | 58.44                       | 18.75 | 66.79   | 20.19 | 83.25   | 23.57 | 90.37 | 23.81 | 99.08   | 24.90 | 114.93  | 27.45 | 121.80 | 18.95 |
|      | 0                        | 58.44                       | 19.56 | 66.79   | 21.06 | 83.25   | 24.60 | 90.37 | 24.85 | 99.08   | 25.98 | 114.93  | 28.64 | 121.80 | 19.77 |
|      | 2                        | 58.44                       | 20.38 | 66.79   | 21.95 | 83.25   | 25.63 | 90.37 | 25.89 | 99.08   | 27.07 | 114.93  | 29.84 | 121.80 | 20.60 |
|      | 4                        | 58.44                       | 21.21 | 66.79   | 22.83 | 83.25   | 26.66 | 90.37 | 26.94 | 99.08   | 28.16 | 114.93  | 31.05 | 121.80 | 21.43 |
|      | 6                        | 58.44                       | 22.04 | 66.79   | 23.73 | 83.25   | 27.71 | 90.37 | 27.99 | 99.08   | 29.26 | 114.93  | 32.26 | 121.80 | 22.27 |
|      | 8                        | 58.44                       | 22.87 | 66.79   | 24.63 | 83.25   | 28.76 | 90.37 | 29.05 | 99.08   | 30.37 | 114.93  | 33.49 | 121.80 | 23.12 |
|      | 10                       | 58.44                       | 23.71 | 66.79   | 25.53 | 83.25   | 29.82 | 90.37 | 30.12 | 99.08   | 31.49 | 114.93  | 34.72 | 121.80 | 23.97 |
|      | 12                       | 58.44                       | 24.56 | 66.79   | 26.45 | 83.25   | 30.88 | 90.37 | 31.20 | 99.08   | 32.62 | 114.93  | 35.96 | 121.80 | 24.82 |
|      | 14                       | 58.44                       | 25.41 | 66.79   | 27.36 | 83.25   | 31.95 | 90.37 | 32.28 | 99.08   | 33.75 | 114.93  | 37.21 | 121.80 | 25.69 |
|      | 16                       | 58.44                       | 26.27 | 66.79   | 28.29 | 83.25   | 33.03 | 90.37 | 33.37 | 99.08   | 34.89 | 114.93  | 38.46 | 121.80 | 26.55 |
|      | 18                       | 58.44                       | 27.13 | 66.79   | 29.22 | 83.25   | 34.12 | 90.37 | 34.47 | 99.08   | 36.03 | 114.93  | 39.73 | 121.80 | 27.43 |
|      | 20                       | 58.44                       | 28.00 | 66.79   | 30.15 | 83.25   | 35.21 | 90.37 | 35.57 | 99.08   | 37.19 | 114.93  | 41.00 | 121.80 | 28.30 |
|      | 21                       | 58.44                       | 28.44 | 66.79   | 30.62 | 83.25   | 35.76 | 90.37 | 36.13 | 99.08   | 37.77 | 114.93  | 41.64 | 121.80 | 28.75 |
|      | 23                       | 58.44                       | 29.32 | 66.79   | 31.57 | 83.25   | 36.86 | 90.37 | 37.24 | 99.08   | 38.93 | 114.93  | 42.92 | 121.80 | 29.63 |
|      | 25                       | 58.44                       | 30.20 | 66.79   | 32.52 | 83.25   | 37.97 | 90.37 | 38.36 | 99.08   | 40.11 | 114.93  | 44.22 | 121.80 | 30.53 |
|      | 27                       | 58.44                       | 31.09 | 66.79   | 33.47 | 83.25   | 39.09 | 90.37 | 39.49 | 99.08   | 41.29 | 114.93  | 45.52 | 121.80 | 31.42 |
|      | 29                       | 58.44                       | 31.98 | 66.79   | 34.44 | 83.25   | 40.21 | 90.37 | 40.63 | 99.08   | 42.47 | 114.93  | 46.83 | 121.80 | 32.33 |
|      | 31                       | 58.44                       | 32.88 | 66.79   | 35.41 | 83.25   | 41.35 | 90.37 | 41.77 | 99.08   | 43.67 | 114.93  | 48.15 | 121.80 | 33.24 |
|      | 33                       | 58.44                       | 33.79 | 66.79   | 36.38 | 83.25   | 42.49 | 90.37 | 42.92 | 99.08   | 44.87 | 111.78  | 48.12 | 121.50 | 34.07 |
|      | 35                       | 58.44                       | 34.70 | 66.79   | 37.37 | 83.25   | 43.63 | 90.00 | 43.90 | 94.50   | 43.96 | 103.50  | 45.76 | 112.50 | 32.40 |
|      | 37                       | 58.44                       | 35.46 | 66.79   | 38.18 | 83.25   | 44.58 | 90.00 | 44.85 | 92.61   | 44.01 | 101.43  | 45.81 | 110.25 | 32.44 |
|      | 39                       | 58.44                       | 36.21 | 66.79   | 38.99 | 83.25   | 45.53 | 88.52 | 45.06 | 90.72   | 44.03 | 99.36   | 45.84 | 108.00 | 32.46 |
|      | 41                       | 58.44                       | 36.98 | 66.79   | 39.81 | 81.77   | 45.66 | 84.60 | 43.97 | 88.83   | 44.03 | 97.29   | 45.83 | 105.75 | 32.45 |
|      | 43                       | 58.44                       | 37.74 | 66.79   | 40.64 | 78.66   | 44.84 | 82.80 | 43.93 | 86.95   | 43.98 | 95.23   | 45.78 | 103.51 | 32.42 |
|      | 46                       | 58.44                       | 38.51 | 66.79   | 41.47 | 76.96   | 44.76 | 81.01 | 43.86 | 85.06   | 43.91 | 93.16   | 45.71 | 101.26 | 32.36 |
|      | 48                       | 54.23                       | 36.82 | 61.46   | 39.32 | 68.69   | 41.17 | 72.31 | 40.33 | 75.92   | 40.38 | 83.15   | 42.03 | 90.38  | 29.76 |
|      | 50                       | 49.88                       | 34.54 | 56.53   | 36.88 | 63.18   | 38.62 | 66.51 | 37.83 | 69.83   | 37.88 | 76.48   | 39.43 | 83.13  | 27.92 |
|      | 52                       | 45.53                       | 32.14 | 51.60   | 34.32 | 57.67   | 35.94 | 60.71 | 35.21 | 63.74   | 35.25 | 69.81   | 36.69 | 75.88  | 25.98 |
|      | 55                       | 41.18                       | 29.63 | 46.67   | 31.64 | 52.16   | 33.13 | 54.91 | 32.46 | 57.65   | 32.50 | 63.14   | 33.83 | 68.63  | 23.95 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...



Table2-8.13:32HP cooling capacity(continued)

| CR  | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |       |         |       |         |       |       |       |         |       |         |       |        |       |
|-----|--------------------------|-----------------------------|-------|---------|-------|---------|-------|-------|-------|---------|-------|---------|-------|--------|-------|
|     |                          | 20.8/14                     |       | 23.3/16 |       | 25.8/18 |       | 27/19 |       | 28.2/20 |       | 30.7/22 |       | 32/24  |       |
|     |                          | TC                          | PI    | TC      | PI    | TC      | PI    | TC    | PI    | TC      | PI    | TC      | PI    | TC     | PI    |
|     |                          | KW                          | KW    | KW      | KW    | KW      | KW    | KW    | KW    | KW      | KW    | KW      | KW    | KW     | KW    |
| 90% | -15                      | 52.56                       | 11.85 | 60.04   | 12.76 | 75.14   | 14.96 | 82.64 | 15.31 | 88.52   | 15.64 | 103.62  | 17.40 | 117.38 | 12.84 |
|     | -10                      | 52.56                       | 13.57 | 60.04   | 14.60 | 75.14   | 17.12 | 82.64 | 17.52 | 88.52   | 17.90 | 103.62  | 19.91 | 117.38 | 14.69 |
|     | -5                       | 52.56                       | 15.31 | 60.04   | 16.47 | 75.14   | 19.31 | 82.64 | 19.77 | 88.52   | 20.19 | 103.62  | 22.47 | 117.38 | 16.58 |
|     | -2                       | 52.56                       | 16.36 | 60.04   | 17.61 | 75.14   | 20.65 | 82.64 | 21.14 | 88.52   | 21.59 | 103.62  | 24.02 | 117.38 | 17.72 |
|     | 0                        | 52.56                       | 17.08 | 60.04   | 18.38 | 75.14   | 21.55 | 82.64 | 22.05 | 88.52   | 22.53 | 103.62  | 25.06 | 117.38 | 18.49 |
|     | 2                        | 52.56                       | 17.79 | 60.04   | 19.15 | 75.14   | 22.45 | 82.64 | 22.98 | 88.52   | 23.47 | 103.62  | 26.11 | 117.38 | 19.27 |
|     | 4                        | 52.56                       | 18.51 | 60.04   | 19.92 | 75.14   | 23.36 | 82.64 | 23.91 | 88.52   | 24.42 | 103.62  | 27.17 | 117.38 | 20.05 |
|     | 6                        | 52.56                       | 19.24 | 60.04   | 20.70 | 75.14   | 24.27 | 82.64 | 24.85 | 88.52   | 25.38 | 103.62  | 28.23 | 117.38 | 20.83 |
|     | 8                        | 52.56                       | 19.97 | 60.04   | 21.49 | 75.14   | 25.19 | 82.64 | 25.79 | 88.52   | 26.34 | 103.62  | 29.30 | 117.38 | 21.62 |
|     | 10                       | 52.56                       | 20.70 | 60.04   | 22.28 | 75.14   | 26.12 | 82.64 | 26.74 | 88.52   | 27.31 | 103.62  | 30.38 | 117.38 | 22.42 |
|     | 12                       | 52.56                       | 21.44 | 60.04   | 23.07 | 75.14   | 27.05 | 82.64 | 27.69 | 88.52   | 28.28 | 103.62  | 31.47 | 117.38 | 23.22 |
|     | 14                       | 52.56                       | 22.18 | 60.04   | 23.87 | 75.14   | 27.99 | 82.64 | 28.65 | 88.52   | 29.26 | 103.62  | 32.56 | 117.38 | 24.03 |
|     | 16                       | 52.56                       | 22.93 | 60.04   | 24.68 | 75.14   | 28.94 | 82.64 | 29.62 | 88.52   | 30.25 | 103.62  | 33.66 | 117.38 | 24.84 |
|     | 18                       | 52.56                       | 23.69 | 60.04   | 25.49 | 75.14   | 29.89 | 82.64 | 30.59 | 88.52   | 31.25 | 103.62  | 34.76 | 117.38 | 25.65 |
|     | 20                       | 52.56                       | 24.44 | 60.04   | 26.31 | 75.14   | 30.84 | 82.64 | 31.57 | 88.52   | 32.25 | 103.62  | 35.88 | 117.38 | 26.48 |
|     | 21                       | 52.56                       | 24.83 | 60.04   | 26.72 | 75.14   | 31.33 | 82.64 | 32.06 | 88.52   | 32.75 | 103.62  | 36.44 | 117.38 | 26.89 |
|     | 23                       | 52.56                       | 25.59 | 60.04   | 27.54 | 75.14   | 32.29 | 82.64 | 33.05 | 88.52   | 33.76 | 103.62  | 37.56 | 117.38 | 27.72 |
|     | 25                       | 52.56                       | 26.36 | 60.04   | 28.37 | 75.14   | 33.27 | 82.64 | 34.05 | 88.52   | 34.78 | 103.62  | 38.69 | 117.38 | 28.55 |
|     | 27                       | 52.56                       | 27.14 | 60.04   | 29.21 | 75.14   | 34.24 | 82.64 | 35.05 | 88.52   | 35.80 | 103.62  | 39.83 | 117.38 | 29.39 |
|     | 29                       | 52.56                       | 27.92 | 60.04   | 30.05 | 75.14   | 35.23 | 82.64 | 36.06 | 88.52   | 36.83 | 103.62  | 40.98 | 117.38 | 30.24 |
|     | 31                       | 52.56                       | 28.71 | 60.04   | 30.89 | 75.14   | 36.22 | 82.64 | 37.08 | 88.52   | 37.87 | 103.62  | 42.13 | 117.38 | 31.09 |
|     | 33                       | 52.56                       | 29.50 | 60.04   | 31.75 | 75.14   | 37.22 | 82.64 | 38.10 | 88.52   | 38.91 | 103.62  | 43.29 | 117.38 | 31.95 |
|     | 35                       | 52.56                       | 30.29 | 60.04   | 32.60 | 75.14   | 38.23 | 82.64 | 39.13 | 88.52   | 39.96 | 103.50  | 44.41 | 112.50 | 31.45 |
|     | 37                       | 52.56                       | 30.95 | 60.04   | 33.31 | 75.14   | 39.05 | 82.64 | 39.98 | 88.52   | 40.83 | 97.29   | 42.65 | 105.75 | 30.20 |
|     | 39                       | 52.56                       | 31.61 | 60.04   | 34.02 | 75.14   | 39.89 | 81.04 | 40.04 | 88.03   | 41.47 | 92.33   | 41.34 | 99.00  | 28.88 |
|     | 41                       | 52.56                       | 32.28 | 60.04   | 34.74 | 73.66   | 39.93 | 81.16 | 40.94 | 84.47   | 40.63 | 88.66   | 40.53 | 96.37  | 28.70 |
|     | 43                       | 52.56                       | 32.95 | 60.04   | 35.46 | 73.66   | 40.75 | 77.72 | 40.02 | 79.23   | 38.90 | 86.77   | 40.49 | 94.32  | 28.67 |
|     | 46                       | 52.56                       | 33.62 | 60.04   | 36.18 | 70.13   | 39.59 | 73.82 | 38.79 | 77.51   | 38.83 | 84.89   | 40.43 | 92.27  | 28.62 |
|     | 48                       | 51.69                       | 34.07 | 56.01   | 34.78 | 62.59   | 36.41 | 65.89 | 35.67 | 69.18   | 35.72 | 75.77   | 37.18 | 82.36  | 26.33 |
|     | 50                       | 45.45                       | 30.55 | 51.51   | 32.62 | 57.57   | 34.15 | 60.60 | 33.46 | 63.63   | 33.50 | 69.69   | 34.87 | 75.76  | 24.69 |
|     | 52                       | 41.49                       | 28.43 | 47.02   | 30.36 | 52.55   | 31.78 | 55.32 | 31.14 | 58.09   | 31.18 | 63.62   | 32.45 | 69.15  | 22.98 |
|     | 55                       | 37.53                       | 26.21 | 42.53   | 27.98 | 47.53   | 29.30 | 50.03 | 28.71 | 52.54   | 28.74 | 57.54   | 29.92 | 62.54  | 21.18 |
| 80% | -15                      | 46.78                       | 10.20 | 53.41   | 10.97 | 66.79   | 12.85 | 73.42 | 13.15 | 80.17   | 13.69 | 91.84   | 14.90 | 105.34 | 11.14 |
|     | -10                      | 46.78                       | 11.67 | 53.41   | 12.55 | 66.79   | 14.71 | 73.42 | 15.05 | 80.17   | 15.67 | 91.84   | 17.06 | 105.34 | 12.75 |
|     | -5                       | 46.78                       | 13.17 | 53.41   | 14.16 | 66.79   | 16.59 | 73.42 | 16.98 | 80.17   | 17.68 | 91.84   | 19.25 | 105.34 | 14.38 |
|     | -2                       | 46.78                       | 14.08 | 53.41   | 15.14 | 66.79   | 17.74 | 73.42 | 18.15 | 80.17   | 18.90 | 91.84   | 20.58 | 105.34 | 15.37 |
|     | 0                        | 46.78                       | 14.69 | 53.41   | 15.80 | 66.79   | 18.51 | 73.42 | 18.94 | 80.17   | 19.72 | 91.84   | 21.47 | 105.34 | 16.04 |
|     | 2                        | 46.78                       | 15.30 | 53.41   | 16.46 | 66.79   | 19.29 | 73.42 | 19.73 | 80.17   | 20.54 | 91.84   | 22.37 | 105.34 | 16.71 |
|     | 4                        | 46.78                       | 15.92 | 53.41   | 17.13 | 66.79   | 20.07 | 73.42 | 20.53 | 80.17   | 21.38 | 91.84   | 23.27 | 105.34 | 17.39 |
|     | 6                        | 46.78                       | 16.55 | 53.41   | 17.80 | 66.79   | 20.85 | 73.42 | 21.33 | 80.17   | 22.21 | 91.84   | 24.19 | 105.34 | 18.07 |
|     | 8                        | 46.78                       | 17.18 | 53.41   | 18.47 | 66.79   | 21.64 | 73.42 | 22.14 | 80.17   | 23.06 | 91.84   | 25.10 | 105.34 | 18.76 |
|     | 10                       | 46.78                       | 17.81 | 53.41   | 19.15 | 66.79   | 22.44 | 73.42 | 22.96 | 80.17   | 23.90 | 91.84   | 26.03 | 105.34 | 19.45 |
|     | 12                       | 46.78                       | 18.44 | 53.41   | 19.84 | 66.79   | 23.24 | 73.42 | 23.78 | 80.17   | 24.76 | 91.84   | 26.96 | 105.34 | 20.14 |
|     | 14                       | 46.78                       | 19.08 | 53.41   | 20.53 | 66.79   | 24.05 | 73.42 | 24.60 | 80.17   | 25.62 | 91.84   | 27.89 | 105.34 | 20.84 |
|     | 16                       | 46.78                       | 19.73 | 53.41   | 21.22 | 66.79   | 24.86 | 73.42 | 25.43 | 80.17   | 26.48 | 91.84   | 28.83 | 105.34 | 21.54 |
|     | 18                       | 46.78                       | 20.38 | 53.41   | 21.92 | 66.79   | 25.68 | 73.42 | 26.27 | 80.17   | 27.35 | 91.84   | 29.78 | 105.34 | 22.25 |
|     | 20                       | 46.78                       | 21.03 | 53.41   | 22.62 | 66.79   | 26.50 | 73.42 | 27.11 | 80.17   | 28.23 | 91.84   | 30.73 | 105.34 | 22.96 |
|     | 21                       | 46.78                       | 21.36 | 53.41   | 22.97 | 66.79   | 26.91 | 73.42 | 27.53 | 80.17   | 28.67 | 91.84   | 31.21 | 105.34 | 23.32 |
|     | 23                       | 46.78                       | 22.01 | 53.41   | 23.68 | 66.79   | 27.74 | 73.42 | 28.38 | 80.17   | 29.55 | 91.84   | 32.18 | 105.34 | 24.04 |
|     | 25                       | 46.78                       | 22.68 | 53.41   | 24.39 | 66.79   | 28.58 | 73.42 | 29.24 | 80.17   | 30.44 | 91.84   | 33.15 | 105.34 | 24.77 |
|     | 27                       | 46.78                       | 23.35 | 53.41   | 25.11 | 66.79   | 29.42 | 73.42 | 30.10 | 80.17   | 31.34 | 91.84   | 34.12 | 105.34 | 25.50 |
|     | 29                       | 46.78                       | 24.02 | 53.41   | 25.83 | 66.79   | 30.27 | 73.42 | 30.96 | 80.17   | 32.24 | 91.84   | 35.10 | 105.34 | 26.23 |
|     | 31                       | 46.78                       | 24.69 | 53.41   | 26.56 | 66.79   | 31.12 | 73.42 | 31.84 | 80.17   | 33.15 | 91.84   | 36.09 | 105.34 | 26.97 |
|     | 33                       | 46.78                       | 25.37 | 53.41   | 27.29 | 66.79   | 31.98 | 73.42 | 32.71 | 80.17   | 34.06 | 91.84   | 37.09 | 105.34 | 27.71 |
|     | 35                       | 46.78                       | 26.06 | 53.41   | 28.03 | 66.79   | 32.84 | 73.42 | 33.60 | 80.17   | 34.98 | 91.84   | 38.09 | 105.34 | 28.46 |
|     | 37                       | 46.78                       | 26.62 | 53.41   | 28.64 | 66.79   | 33.55 | 73.42 | 34.33 | 80.17   | 35.74 | 91.84   | 38.91 | 105.34 | 29.08 |
|     | 39                       | 46.78                       | 27.19 | 53.41   | 29.25 | 66.79   | 34.27 | 73.42 | 35.06 | 80.17   | 36.50 | 91.08   | 39.42 | 99.00  | 27.91 |
|     | 41                       | 46.78                       | 27.77 | 53.41   | 29.87 | 66.79   | 34.99 | 73.42 | 35.80 | 78.58   | 36.53 | 85.70   | 37.87 | 92.25  | 26.55 |
|     | 43                       | 46.78                       | 28.34 | 53.41   | 30.49 | 65.57   | 35.06 | 72.08 | 35.87 | 77.60   | 36.83 | 79.07   | 35.66 | 85.50  | 25.12 |
|     | 46                       | 46.78                       | 28.92 | 53.41   | 31.11 | 65.57   | 35.78 | 68.76 | 34.92 | 69.75   | 33.78 | 76.39   | 35.16 | 83.03  | 24.90 |
|     | 48                       | 45.92                       | 29.25 | 52.30   | 31.39 | 56.33   | 31.67 | 59.29 | 31.03 | 62.26   | 31.06 | 68.18   | 32.34 | 74.11  | 22.90 |
|     | 50                       | 43.58                       | 28.31 | 46.36   | 28.37 | 51.81   | 29.70 | 54.54 | 29.10 | 57.26   | 29.14 | 62.72   | 30.33 | 68.17  | 21.48 |
|     | 52                       | 37.33                       | 24.73 | 42.31   | 26.40 | 47.29   | 27.64 | 49.78 | 27.08 | 52.27   | 27.11 | 57.25   | 28.23 | 62.22  | 19.99 |
|     | 55                       | 33.77                       | 22.79 | 38.27   | 24.34 | 42.77   | 25.48 | 45.02 | 24.97 | 47.27   | 25.00 | 51.78   | 26.02 | 56.28  | 18.42 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

## V8 PRO VRF 50Hz



Table2-8.13:32HP cooling capacity(continued)

| CR  | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |       |         |       |         |       |       |       |         |       |         |       |       |       |
|-----|--------------------------|-----------------------------|-------|---------|-------|---------|-------|-------|-------|---------|-------|---------|-------|-------|-------|
|     |                          | 20.8/14                     |       | 23.3/16 |       | 25.8/18 |       | 27/19 |       | 28.2/20 |       | 30.7/22 |       | 32/24 |       |
|     |                          | TC                          | PI    | TC      | PI    | TC      | PI    | TC    | PI    | TC      | PI    | TC      | PI    | TC    | PI    |
| 70% | -15                      | 40.89                       | 8.57  | 46.78   | 9.24  | 58.44   | 10.81 | 64.21 | 11.06 | 70.11   | 11.51 | 81.77   | 12.76 | 91.84 | 9.34  |
|     | -10                      | 40.89                       | 9.81  | 46.78   | 10.57 | 58.44   | 12.38 | 64.21 | 12.66 | 70.11   | 13.18 | 81.77   | 14.61 | 91.84 | 10.69 |
|     | -5                       | 40.89                       | 11.07 | 46.78   | 11.93 | 58.44   | 13.96 | 64.21 | 14.28 | 70.11   | 14.87 | 81.77   | 16.48 | 91.84 | 12.06 |
|     | -2                       | 40.89                       | 11.83 | 46.78   | 12.76 | 58.44   | 14.93 | 64.21 | 15.27 | 70.11   | 15.89 | 81.77   | 17.62 | 91.84 | 12.89 |
|     | 0                        | 40.89                       | 12.35 | 46.78   | 13.31 | 58.44   | 15.58 | 64.21 | 15.93 | 70.11   | 16.58 | 81.77   | 18.38 | 91.84 | 13.45 |
|     | 2                        | 40.89                       | 12.87 | 46.78   | 13.87 | 58.44   | 16.23 | 64.21 | 16.60 | 70.11   | 17.28 | 81.77   | 19.15 | 91.84 | 14.01 |
|     | 4                        | 40.89                       | 13.39 | 46.78   | 14.43 | 58.44   | 16.89 | 64.21 | 17.27 | 70.11   | 17.98 | 81.77   | 19.93 | 91.84 | 14.58 |
|     | 6                        | 40.89                       | 13.91 | 46.78   | 14.99 | 58.44   | 17.55 | 64.21 | 17.94 | 70.11   | 18.68 | 81.77   | 20.71 | 91.84 | 15.15 |
|     | 8                        | 40.89                       | 14.44 | 46.78   | 15.56 | 58.44   | 18.21 | 64.21 | 18.62 | 70.11   | 19.39 | 81.77   | 21.49 | 91.84 | 15.73 |
|     | 10                       | 40.89                       | 14.97 | 46.78   | 16.13 | 58.44   | 18.88 | 64.21 | 19.31 | 70.11   | 20.10 | 81.77   | 22.29 | 91.84 | 16.31 |
|     | 12                       | 40.89                       | 15.50 | 46.78   | 16.71 | 58.44   | 19.56 | 64.21 | 20.00 | 70.11   | 20.82 | 81.77   | 23.08 | 91.84 | 16.89 |
|     | 14                       | 40.89                       | 16.04 | 46.78   | 17.29 | 58.44   | 20.24 | 64.21 | 20.69 | 70.11   | 21.54 | 81.77   | 23.88 | 91.84 | 17.47 |
|     | 16                       | 40.89                       | 16.58 | 46.78   | 17.87 | 58.44   | 20.92 | 64.21 | 21.39 | 70.11   | 22.27 | 81.77   | 24.69 | 91.84 | 18.06 |
|     | 18                       | 40.89                       | 17.13 | 46.78   | 18.46 | 58.44   | 21.61 | 64.21 | 22.09 | 70.11   | 23.00 | 81.77   | 25.50 | 91.84 | 18.66 |
|     | 20                       | 40.89                       | 17.68 | 46.78   | 19.05 | 58.44   | 22.30 | 64.21 | 22.80 | 70.11   | 23.74 | 81.77   | 26.32 | 91.84 | 19.25 |
|     | 21                       | 40.89                       | 17.95 | 46.78   | 19.35 | 58.44   | 22.65 | 64.21 | 23.16 | 70.11   | 24.11 | 81.77   | 26.73 | 91.84 | 19.55 |
|     | 23                       | 40.89                       | 18.51 | 46.78   | 19.95 | 58.44   | 23.34 | 64.21 | 23.87 | 70.11   | 24.85 | 81.77   | 27.55 | 91.84 | 20.16 |
|     | 25                       | 40.89                       | 19.06 | 46.78   | 20.55 | 58.44   | 24.05 | 64.21 | 24.59 | 70.11   | 25.60 | 81.77   | 28.38 | 91.84 | 20.77 |
|     | 27                       | 40.89                       | 19.62 | 46.78   | 21.15 | 58.44   | 24.76 | 64.21 | 25.32 | 70.11   | 26.36 | 81.77   | 29.22 | 91.84 | 21.38 |
|     | 29                       | 40.89                       | 20.19 | 46.78   | 21.76 | 58.44   | 25.47 | 64.21 | 26.04 | 70.11   | 27.12 | 81.77   | 30.06 | 91.84 | 21.99 |
|     | 31                       | 40.89                       | 20.76 | 46.78   | 22.37 | 58.44   | 26.19 | 64.21 | 26.78 | 70.11   | 27.88 | 81.77   | 30.90 | 91.84 | 22.61 |
|     | 33                       | 40.89                       | 21.33 | 46.78   | 22.99 | 58.44   | 26.91 | 64.21 | 27.52 | 70.11   | 28.65 | 81.77   | 31.76 | 91.84 | 23.23 |
|     | 35                       | 40.89                       | 21.91 | 46.78   | 23.61 | 58.44   | 27.63 | 64.21 | 28.26 | 70.11   | 29.42 | 81.77   | 32.61 | 91.84 | 23.86 |
|     | 37                       | 40.89                       | 22.38 | 46.78   | 24.12 | 58.44   | 28.23 | 64.21 | 28.87 | 70.11   | 30.06 | 81.77   | 33.32 | 91.84 | 24.38 |
|     | 39                       | 40.89                       | 22.86 | 46.78   | 24.64 | 58.44   | 28.84 | 64.21 | 29.49 | 70.11   | 30.70 | 81.77   | 34.03 | 91.84 | 24.90 |
|     | 41                       | 40.89                       | 23.34 | 46.78   | 25.16 | 58.44   | 29.44 | 64.21 | 30.11 | 70.11   | 31.35 | 81.77   | 34.75 | 91.84 | 25.42 |
|     | 43                       | 40.89                       | 23.82 | 46.78   | 25.68 | 58.44   | 30.05 | 64.21 | 30.73 | 70.11   | 32.00 | 81.77   | 35.47 | 91.84 | 25.94 |
|     | 46                       | 40.89                       | 24.31 | 46.78   | 26.20 | 58.44   | 30.67 | 64.21 | 31.36 | 68.63   | 31.96 | 72.45   | 32.07 | 78.75 | 22.71 |
|     | 48                       | 40.89                       | 25.05 | 46.67   | 26.93 | 54.14   | 29.27 | 54.90 | 27.63 | 57.65   | 27.66 | 63.13   | 28.79 | 68.63 | 20.39 |
|     | 50                       | 40.15                       | 25.08 | 43.71   | 25.73 | 47.02   | 25.93 | 49.50 | 25.40 | 51.97   | 25.43 | 56.92   | 26.48 | 61.88 | 18.75 |
|     | 52                       | 33.15                       | 21.11 | 37.49   | 22.49 | 41.89   | 23.55 | 44.10 | 23.07 | 46.30   | 23.10 | 50.71   | 24.05 | 55.13 | 17.03 |
|     | 55                       | 31.19                       | 20.25 | 33.89   | 20.73 | 37.88   | 21.71 | 39.88 | 21.27 | 41.87   | 21.29 | 45.86   | 22.16 | 49.85 | 15.69 |
| 60% | -15                      | 35.11                       | 7.04  | 40.03   | 7.56  | 50.09   | 8.86  | 55.13 | 9.08  | 60.04   | 9.43  | 70.11   | 10.46 | 80.17 | 7.79  |
|     | -10                      | 35.11                       | 8.05  | 40.03   | 8.65  | 50.09   | 10.14 | 55.13 | 10.39 | 60.04   | 10.79 | 70.11   | 11.97 | 80.17 | 8.92  |
|     | -5                       | 35.11                       | 9.09  | 40.03   | 9.76  | 50.09   | 11.44 | 55.13 | 11.72 | 60.04   | 12.17 | 70.11   | 13.51 | 80.17 | 10.06 |
|     | -2                       | 35.11                       | 9.71  | 40.03   | 10.43 | 50.09   | 12.23 | 55.13 | 12.53 | 60.04   | 13.01 | 70.11   | 14.44 | 80.17 | 10.76 |
|     | 0                        | 35.11                       | 10.14 | 40.03   | 10.89 | 50.09   | 12.76 | 55.13 | 13.07 | 60.04   | 13.58 | 70.11   | 15.07 | 80.17 | 11.22 |
|     | 2                        | 35.11                       | 10.56 | 40.03   | 11.34 | 50.09   | 13.30 | 55.13 | 13.62 | 60.04   | 14.15 | 70.11   | 15.70 | 80.17 | 11.69 |
|     | 4                        | 35.11                       | 10.99 | 40.03   | 11.80 | 50.09   | 13.84 | 55.13 | 14.17 | 60.04   | 14.72 | 70.11   | 16.34 | 80.17 | 12.17 |
|     | 6                        | 35.11                       | 11.42 | 40.03   | 12.27 | 50.09   | 14.38 | 55.13 | 14.73 | 60.04   | 15.30 | 70.11   | 16.98 | 80.17 | 12.64 |
|     | 8                        | 35.11                       | 11.85 | 40.03   | 12.73 | 50.09   | 14.92 | 55.13 | 15.29 | 60.04   | 15.88 | 70.11   | 17.62 | 80.17 | 13.12 |
|     | 10                       | 35.11                       | 12.29 | 40.03   | 13.20 | 50.09   | 15.47 | 55.13 | 15.85 | 60.04   | 16.46 | 70.11   | 18.27 | 80.17 | 13.61 |
|     | 12                       | 35.11                       | 8.75  | 40.03   | 9.40  | 50.09   | 11.02 | 55.13 | 11.29 | 60.04   | 11.73 | 70.11   | 13.01 | 80.17 | 14.09 |
|     | 14                       | 35.11                       | 9.06  | 40.03   | 9.73  | 50.09   | 11.41 | 55.13 | 11.68 | 60.04   | 12.13 | 70.11   | 13.47 | 80.17 | 14.58 |
|     | 16                       | 35.11                       | 9.36  | 40.03   | 10.06 | 50.09   | 11.79 | 55.13 | 12.08 | 60.04   | 12.54 | 70.11   | 13.92 | 80.17 | 15.07 |
|     | 18                       | 35.11                       | 9.67  | 40.03   | 10.39 | 50.09   | 12.18 | 55.13 | 12.48 | 60.04   | 12.96 | 70.11   | 14.38 | 80.17 | 15.57 |
|     | 20                       | 35.11                       | 9.98  | 40.03   | 10.72 | 50.09   | 12.57 | 55.13 | 12.88 | 60.04   | 13.37 | 70.11   | 14.84 | 80.17 | 16.07 |
|     | 21                       | 35.11                       | 10.14 | 40.03   | 10.89 | 50.09   | 12.77 | 55.13 | 13.08 | 60.04   | 13.58 | 70.11   | 15.07 | 80.17 | 16.32 |
|     | 23                       | 35.11                       | 10.45 | 40.03   | 11.23 | 50.09   | 13.16 | 55.13 | 13.48 | 60.04   | 14.00 | 70.11   | 15.54 | 80.17 | 16.82 |
|     | 25                       | 35.11                       | 10.77 | 40.03   | 11.56 | 50.09   | 13.56 | 55.13 | 13.89 | 60.04   | 14.42 | 70.11   | 16.00 | 80.17 | 17.33 |
|     | 27                       | 35.11                       | 11.08 | 40.03   | 11.90 | 50.09   | 13.95 | 55.13 | 14.29 | 60.04   | 14.84 | 70.11   | 16.47 | 80.17 | 17.84 |
|     | 29                       | 35.11                       | 11.40 | 40.03   | 12.25 | 50.09   | 14.36 | 55.13 | 14.71 | 60.04   | 15.27 | 70.11   | 16.95 | 80.17 | 18.35 |
|     | 31                       | 35.11                       | 11.72 | 40.03   | 12.59 | 50.09   | 14.76 | 55.13 | 15.12 | 60.04   | 15.70 | 70.11   | 17.43 | 80.17 | 18.87 |
|     | 33                       | 35.11                       | 12.05 | 40.03   | 12.94 | 50.09   | 15.17 | 55.13 | 15.54 | 60.04   | 16.13 | 70.11   | 17.91 | 80.17 | 19.39 |
|     | 35                       | 35.11                       | 12.37 | 40.03   | 13.29 | 50.09   | 15.58 | 55.13 | 15.96 | 60.04   | 16.57 | 70.11   | 18.39 | 80.17 | 19.91 |
|     | 37                       | 35.11                       | 12.64 | 40.03   | 13.58 | 50.09   | 15.91 | 55.13 | 16.30 | 60.04   | 16.93 | 70.11   | 18.79 | 80.17 | 20.35 |
|     | 39                       | 35.11                       | 12.91 | 40.03   | 13.87 | 50.09   | 16.25 | 55.13 | 16.65 | 60.04   | 17.29 | 70.11   | 19.19 | 80.17 | 20.78 |
|     | 41                       | 35.11                       | 13.18 | 40.03   | 14.16 | 50.09   | 16.60 | 55.13 | 17.00 | 60.04   | 17.65 | 70.11   | 19.59 | 80.17 | 21.22 |
|     | 43                       | 35.11                       | 13.45 | 40.03   | 14.45 | 50.09   | 16.94 | 55.13 | 17.35 | 60.04   | 18.02 | 70.11   | 20.00 | 80.17 | 21.66 |
|     | 46                       | 35.11                       | 13.73 | 40.03   | 14.75 | 50.09   | 17.29 | 55.13 | 17.71 | 60.04   | 18.39 | 70.11   | 20.41 | 78.75 | 21.71 |
|     | 48                       | 35.11                       | 14.15 | 40.03   | 15.19 | 50.09   | 17.81 | 54.90 | 18.17 | 57.65   | 18.19 | 63.13   | 18.94 | 68.63 | 19.49 |
|     | 50                       | 35.11                       | 14.43 | 40.03   | 15.49 | 47.02   | 17.05 | 49.50 | 16.71 | 51.97   | 16.73 | 56.92   | 17.41 | 61.88 | 17.92 |
|     | 52                       | 33.08                       | 13.85 | 37.49   | 14.79 | 41.89   | 15.49 | 44.10 | 15.17 | 46.30   | 15.19 | 50.71   | 15.81 | 55.13 | 16.28 |
|     | 55                       | 30.81                       | 13.15 | 32.90   | 13.23 | 36.77   | 13.85 | 38.70 | 13.57 | 40.63   | 13.59 | 44.51   | 14.15 | 48.38 | 14.56 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.13:32HP cooling capacity(continued)

| CR  | Outdoor air temp. (°CDB) | Indoor air temp. (°C DB/WD) |       |         |       |         |       |       |       |         |       |         |       |       |       |
|-----|--------------------------|-----------------------------|-------|---------|-------|---------|-------|-------|-------|---------|-------|---------|-------|-------|-------|
|     |                          | 20.8/14                     |       | 23.3/16 |       | 25.8/18 |       | 27/19 |       | 28.2/20 |       | 30.7/22 |       | 32/24 |       |
|     |                          | TC                          | PI    | TC      | PI    | TC      | PI    | TC    | PI    | TC      | PI    | TC      | PI    | TC    | PI    |
| 50% | -15                      | 29.23                       | 3.83  | 33.40   | 4.12  | 41.74   | 4.82  | 45.92 | 4.94  | 50.09   | 5.13  | 58.44   | 5.69  | 66.79 | 6.16  |
|     | -10                      | 29.23                       | 4.38  | 33.40   | 4.71  | 41.74   | 5.52  | 45.92 | 5.65  | 50.09   | 5.88  | 58.44   | 6.52  | 66.79 | 7.05  |
|     | -5                       | 29.23                       | 4.94  | 33.40   | 5.32  | 41.74   | 6.23  | 45.92 | 6.37  | 50.09   | 6.63  | 58.44   | 7.35  | 66.79 | 7.96  |
|     | -2                       | 29.23                       | 5.28  | 33.40   | 5.68  | 41.74   | 6.66  | 45.92 | 6.81  | 50.09   | 7.09  | 58.44   | 7.86  | 66.79 | 8.51  |
|     | 0                        | 29.23                       | 5.51  | 33.40   | 5.93  | 41.74   | 6.94  | 45.92 | 7.11  | 50.09   | 7.40  | 58.44   | 8.20  | 66.79 | 8.88  |
|     | 2                        | 29.23                       | 5.74  | 33.40   | 6.18  | 41.74   | 7.24  | 45.92 | 7.41  | 50.09   | 7.71  | 58.44   | 8.54  | 66.79 | 9.25  |
|     | 4                        | 29.23                       | 5.97  | 33.40   | 6.43  | 41.74   | 7.53  | 45.92 | 7.71  | 50.09   | 8.02  | 58.44   | 8.89  | 66.79 | 9.62  |
|     | 6                        | 29.23                       | 6.21  | 33.40   | 6.68  | 41.74   | 7.82  | 45.92 | 8.01  | 50.09   | 8.33  | 58.44   | 9.24  | 66.79 | 10.00 |
|     | 8                        | 29.23                       | 6.44  | 33.40   | 6.94  | 41.74   | 8.12  | 45.92 | 8.31  | 50.09   | 8.65  | 58.44   | 9.59  | 66.79 | 10.38 |
|     | 10                       | 29.23                       | 6.68  | 33.40   | 7.19  | 41.74   | 8.42  | 45.92 | 8.62  | 50.09   | 8.97  | 58.44   | 9.94  | 66.79 | 10.76 |
|     | 12                       | 29.23                       | 6.92  | 33.40   | 7.45  | 41.74   | 8.72  | 45.92 | 8.93  | 50.09   | 9.29  | 58.44   | 10.30 | 66.79 | 11.14 |
|     | 14                       | 29.23                       | 7.16  | 33.40   | 7.71  | 41.74   | 9.02  | 45.92 | 9.24  | 50.09   | 9.61  | 58.44   | 10.65 | 66.79 | 11.53 |
|     | 16                       | 29.23                       | 7.40  | 33.40   | 7.97  | 41.74   | 9.33  | 45.92 | 9.55  | 50.09   | 9.93  | 58.44   | 11.01 | 66.79 | 11.92 |
|     | 18                       | 29.23                       | 7.64  | 33.40   | 8.23  | 41.74   | 9.63  | 45.92 | 9.86  | 50.09   | 10.26 | 58.44   | 11.38 | 66.79 | 12.31 |
|     | 20                       | 29.23                       | 7.89  | 33.40   | 8.49  | 41.74   | 9.94  | 45.92 | 10.18 | 50.09   | 10.59 | 58.44   | 11.74 | 66.79 | 12.71 |
|     | 21                       | 29.23                       | 8.01  | 33.40   | 8.62  | 41.74   | 10.10 | 45.92 | 10.34 | 50.09   | 10.75 | 58.44   | 11.92 | 66.79 | 12.90 |
|     | 23                       | 29.23                       | 8.26  | 33.40   | 8.89  | 41.74   | 10.41 | 45.92 | 10.66 | 50.09   | 11.08 | 58.44   | 12.29 | 66.79 | 13.30 |
|     | 25                       | 29.23                       | 8.51  | 33.40   | 9.16  | 41.74   | 10.72 | 45.92 | 10.98 | 50.09   | 11.42 | 58.44   | 12.66 | 66.79 | 13.70 |
|     | 27                       | 29.23                       | 8.76  | 33.40   | 9.43  | 41.74   | 11.04 | 45.92 | 11.30 | 50.09   | 11.75 | 58.44   | 13.03 | 66.79 | 14.11 |
|     | 29                       | 29.23                       | 9.01  | 33.40   | 9.70  | 41.74   | 11.35 | 45.92 | 11.63 | 50.09   | 12.09 | 58.44   | 13.41 | 66.79 | 14.51 |
|     | 31                       | 29.23                       | 9.26  | 33.40   | 9.97  | 41.74   | 11.67 | 45.92 | 11.95 | 50.09   | 12.43 | 58.44   | 13.79 | 66.79 | 14.92 |
|     | 33                       | 29.23                       | 9.52  | 33.40   | 10.25 | 41.74   | 12.00 | 45.92 | 12.28 | 50.09   | 12.78 | 58.44   | 14.17 | 66.79 | 15.33 |
|     | 35                       | 29.23                       | 9.77  | 33.40   | 10.52 | 41.74   | 12.32 | 45.92 | 12.61 | 50.09   | 13.12 | 58.44   | 14.55 | 66.79 | 15.75 |
|     | 37                       | 29.23                       | 9.99  | 33.40   | 10.75 | 41.74   | 12.59 | 45.92 | 12.89 | 50.09   | 13.41 | 58.44   | 14.86 | 66.79 | 16.09 |
|     | 39                       | 29.23                       | 10.20 | 33.40   | 10.98 | 41.74   | 12.86 | 45.92 | 13.16 | 50.09   | 13.69 | 58.44   | 15.18 | 66.79 | 16.43 |
|     | 41                       | 29.23                       | 10.41 | 33.40   | 11.21 | 41.74   | 13.13 | 45.92 | 13.44 | 50.09   | 13.98 | 58.44   | 15.50 | 66.79 | 16.78 |
|     | 43                       | 29.23                       | 10.63 | 33.40   | 11.44 | 41.74   | 13.40 | 45.92 | 13.72 | 50.09   | 14.27 | 58.44   | 15.82 | 66.79 | 17.13 |
|     | 46                       | 29.23                       | 10.85 | 33.40   | 11.68 | 41.74   | 13.67 | 45.92 | 14.00 | 50.09   | 14.56 | 58.44   | 16.15 | 66.79 | 17.48 |
|     | 48                       | 29.23                       | 11.18 | 33.40   | 12.03 | 41.74   | 14.09 | 45.92 | 14.42 | 50.09   | 15.00 | 58.44   | 16.64 | 66.79 | 18.01 |
|     | 50                       | 29.23                       | 11.40 | 33.40   | 12.27 | 41.74   | 14.37 | 45.92 | 14.71 | 50.09   | 15.30 | 56.92   | 16.53 | 61.88 | 17.01 |
|     | 52                       | 29.23                       | 11.62 | 33.40   | 12.51 | 41.74   | 14.65 | 44.10 | 14.40 | 46.30   | 14.42 | 50.71   | 15.01 | 55.13 | 15.45 |
|     | 55                       | 29.23                       | 11.84 | 32.90   | 12.56 | 36.77   | 13.15 | 38.70 | 12.88 | 40.63   | 12.90 | 44.51   | 13.43 | 48.38 | 13.82 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

# V8 PRO VRF 50Hz



## 8.2 Heating Capacity Tables

Table2-8.14:8HP heating capacity

| CR   | Outdoor air temp. |       | Indoor air temp. °C DB |       |       |       |       |       |       |      |       |      |       |      |
|------|-------------------|-------|------------------------|-------|-------|-------|-------|-------|-------|------|-------|------|-------|------|
|      |                   |       | 16.0                   |       | 18.0  |       | 20.0  |       | 21.0  |      | 22.0  |      | 24.0  |      |
|      | °C DB             | °C WB | TC                     | PI    | TC    | PI    | TC    | PI    | TC    | PI   | TC    | PI   | TC    | PI   |
| 130% | -30.0             | -30.5 | 19.02                  | 6.85  | 18.65 | 7.06  | 18.29 | 7.29  | 18.10 | 7.46 | 17.92 | 7.31 | 17.56 | 6.83 |
|      | -25.0             | -25.4 | 19.66                  | 7.23  | 19.37 | 7.47  | 19.08 | 7.71  | 18.94 | 7.87 | 18.67 | 7.80 | 17.79 | 7.42 |
|      | -19.8             | -20.0 | 20.26                  | 7.62  | 19.95 | 7.85  | 19.64 | 8.04  | 19.48 | 8.16 | 19.32 | 8.26 | 19.01 | 8.50 |
|      | -18.8             | -19.0 | 20.36                  | 7.69  | 20.05 | 7.89  | 19.73 | 8.10  | 19.57 | 8.19 | 19.41 | 8.32 | 19.09 | 8.54 |
|      | -16.7             | -17.0 | 20.56                  | 7.79  | 20.23 | 7.99  | 19.91 | 8.18  | 19.74 | 8.29 | 19.58 | 8.38 | 19.25 | 8.62 |
|      | -13.7             | -15.0 | 20.74                  | 7.92  | 20.41 | 8.13  | 20.08 | 8.32  | 19.91 | 8.43 | 19.74 | 8.53 | 19.41 | 8.75 |
|      | -11.8             | -13.0 | 20.92                  | 7.99  | 20.58 | 8.19  | 20.24 | 8.38  | 20.06 | 8.50 | 19.89 | 8.58 | 19.55 | 8.79 |
|      | -9.8              | -11.0 | 21.08                  | 8.06  | 20.74 | 8.25  | 20.39 | 8.43  | 20.21 | 8.55 | 20.04 | 8.64 | 19.59 | 8.58 |
|      | -9.5              | -10.0 | 21.16                  | 8.05  | 20.81 | 8.23  | 20.46 | 8.43  | 20.28 | 8.51 | 20.11 | 8.61 | 19.58 | 8.32 |
|      | -8.5              | -9.1  | 21.23                  | 8.08  | 20.88 | 8.27  | 20.52 | 8.44  | 20.34 | 8.54 | 20.17 | 8.64 | 19.58 | 8.18 |
|      | -7.0              | -7.6  | 21.34                  | 8.12  | 20.98 | 8.30  | 20.62 | 8.49  | 20.44 | 8.59 | 20.21 | 8.53 | 19.58 | 7.93 |
|      | -5.0              | -5.6  | 21.09                  | 8.02  | 20.73 | 8.20  | 20.38 | 8.38  | 20.15 | 8.32 | 19.88 | 8.13 | 19.26 | 7.52 |
|      | -3.0              | -3.7  | 21.85                  | 8.19  | 21.47 | 8.38  | 21.06 | 8.41  | 20.78 | 8.21 | 20.50 | 8.01 | 19.84 | 7.36 |
|      | 0.0               | -0.7  | 23.72                  | 8.71  | 23.32 | 8.91  | 22.76 | 8.60  | 22.46 | 8.38 | 22.13 | 8.17 | 21.41 | 7.43 |
|      | 3.0               | 2.2   | 26.72                  | 9.64  | 26.16 | 9.49  | 25.47 | 9.12  | 25.07 | 8.86 | 24.66 | 8.57 | 23.80 | 7.72 |
|      | 5.0               | 4.1   | 29.09                  | 10.06 | 28.45 | 9.86  | 27.63 | 9.43  | 27.17 | 9.12 | 26.70 | 8.81 | 25.72 | 7.89 |
|      | 7.0               | 6.0   | 33.24                  | 10.87 | 32.54 | 10.76 | 31.48 | 10.22 | 30.92 | 9.82 | 29.91 | 9.30 | 28.87 | 8.38 |
|      | 9.0               | 7.9   | 34.12                  | 10.65 | 33.37 | 10.52 | 32.24 | 9.90  | 31.19 | 9.37 | 30.73 | 9.01 | 29.68 | 8.13 |
|      | 11.0              | 9.8   | 34.97                  | 10.37 | 34.15 | 10.22 | 32.98 | 9.57  | 32.02 | 9.06 | 31.36 | 8.72 | 29.68 | 7.63 |
|      | 13.0              | 11.8  | 35.83                  | 10.08 | 34.92 | 9.85  | 33.34 | 9.13  | 32.64 | 8.74 | 32.31 | 8.46 | 29.68 | 7.10 |
|      | 15.0              | 13.7  | 36.65                  | 9.74  | 35.68 | 9.50  | 33.93 | 8.77  | 33.59 | 8.47 | 32.65 | 8.03 | 29.68 | 6.60 |
|      | 18.0              | 16.6  | 37.17                  | 8.73  | 36.08 | 8.12  | 35.37 | 7.61  | 33.59 | 7.07 | 32.65 | 6.70 | 29.68 | 5.93 |
|      | 21.0              | 19.5  | 38.29                  | 8.41  | 37.55 | 7.83  | 35.37 | 6.97  | 33.59 | 6.40 | 32.65 | 6.14 | 29.68 | 5.47 |
|      | 24.0              | 22.4  | 39.79                  | 8.11  | 37.55 | 7.14  | 35.37 | 6.32  | 33.59 | 5.88 | 32.65 | 5.64 | 29.68 | 5.00 |
|      | 27.0              | 25.3  | 39.79                  | 7.48  | 37.55 | 6.49  | 35.37 | 5.73  | 33.59 | 5.40 | 32.65 | 5.15 | 29.68 | 4.54 |
|      | 30.0              | 28.1  | 41.23                  | 7.15  | 37.55 | 5.91  | 35.37 | 5.20  | 33.59 | 4.96 | 32.65 | 4.71 | 29.68 | 4.13 |
| 120% | -30.0             | -30.5 | 18.18                  | 6.76  | 17.97 | 7.04  | 17.67 | 7.29  | 17.31 | 6.94 | 17.13 | 6.80 | 16.78 | 6.42 |
|      | -25.0             | -25.4 | 18.98                  | 7.23  | 18.70 | 7.47  | 18.43 | 7.72  | 18.11 | 7.56 | 17.81 | 7.47 | 16.99 | 7.15 |
|      | -19.8             | -20.0 | 19.53                  | 7.61  | 19.23 | 7.83  | 18.92 | 8.06  | 18.77 | 8.16 | 18.62 | 8.25 | 18.32 | 8.49 |
|      | -18.8             | -19.0 | 19.62                  | 7.67  | 19.31 | 7.89  | 19.01 | 8.09  | 18.85 | 8.20 | 18.70 | 8.30 | 18.39 | 8.54 |
|      | -16.7             | -17.0 | 19.80                  | 7.78  | 19.49 | 7.97  | 19.17 | 8.17  | 19.01 | 8.29 | 18.86 | 8.41 | 18.54 | 8.63 |
|      | -13.7             | -15.0 | 19.97                  | 7.92  | 19.65 | 8.11  | 19.33 | 8.32  | 19.16 | 8.43 | 19.00 | 8.54 | 18.60 | 8.53 |
|      | -11.8             | -13.0 | 20.13                  | 7.99  | 19.80 | 8.20  | 19.47 | 8.39  | 19.31 | 8.48 | 19.14 | 8.60 | 18.64 | 8.31 |
|      | -9.8              | -11.0 | 20.28                  | 8.06  | 19.95 | 8.26  | 19.61 | 8.44  | 19.44 | 8.55 | 19.21 | 8.46 | 18.67 | 8.08 |
|      | -9.5              | -10.0 | 20.36                  | 8.05  | 20.02 | 8.25  | 19.68 | 8.43  | 19.51 | 8.52 | 19.21 | 8.25 | 18.63 | 7.77 |
|      | -8.5              | -9.1  | 20.42                  | 8.09  | 20.08 | 8.28  | 19.74 | 8.47  | 19.51 | 8.39 | 19.21 | 8.12 | 18.60 | 7.54 |
|      | -7.0              | -7.6  | 20.52                  | 8.13  | 20.17 | 8.32  | 19.80 | 8.43  | 19.52 | 8.17 | 19.21 | 7.86 | 18.60 | 7.28 |
|      | -5.0              | -5.6  | 20.27                  | 8.03  | 19.93 | 8.23  | 19.47 | 8.02  | 19.20 | 7.78 | 18.90 | 7.48 | 18.29 | 6.87 |
|      | -3.0              | -3.7  | 21.00                  | 8.24  | 20.60 | 8.26  | 20.08 | 7.91  | 19.79 | 7.65 | 19.47 | 7.32 | 18.82 | 6.69 |
|      | 0.0               | -0.7  | 22.78                  | 8.72  | 22.27 | 8.46  | 21.70 | 8.09  | 21.37 | 7.79 | 21.03 | 7.41 | 20.29 | 6.75 |
|      | 3.0               | 2.2   | 25.57                  | 9.29  | 24.95 | 9.00  | 24.20 | 8.51  | 23.81 | 8.15 | 23.41 | 7.75 | 22.58 | 7.03 |
|      | 5.0               | 4.1   | 27.81                  | 9.66  | 27.07 | 9.30  | 26.23 | 8.75  | 25.79 | 8.36 | 25.33 | 7.90 | 24.39 | 7.18 |
|      | 7.0               | 6.0   | 31.83                  | 10.55 | 30.89 | 10.08 | 29.84 | 9.41  | 28.88 | 8.81 | 28.45 | 8.40 | 24.39 | 6.74 |
|      | 9.0               | 7.9   | 32.66                  | 10.29 | 31.64 | 9.78  | 30.11 | 8.94  | 29.68 | 8.58 | 29.08 | 8.10 | 24.39 | 6.29 |
|      | 11.0              | 9.8   | 33.45                  | 9.99  | 32.37 | 9.46  | 30.92 | 8.70  | 30.29 | 8.27 | 29.98 | 7.86 | 24.39 | 5.82 |
|      | 13.0              | 11.8  | 34.21                  | 9.67  | 32.62 | 8.99  | 31.52 | 8.36  | 31.20 | 8.02 | 30.13 | 7.35 | 24.39 | 5.46 |
|      | 15.0              | 13.7  | 34.96                  | 9.32  | 33.44 | 8.72  | 32.44 | 8.10  | 31.51 | 7.56 | 30.13 | 6.85 | 24.39 | 5.21 |
|      | 18.0              | 16.6  | 35.17                  | 7.93  | 34.49 | 7.45  | 32.44 | 6.71  | 31.51 | 6.40 | 30.13 | 6.07 | 24.39 | 4.82 |
|      | 21.0              | 19.5  | 36.60                  | 7.58  | 34.49 | 6.82  | 32.44 | 6.17  | 31.51 | 5.91 | 30.13 | 5.59 | 24.39 | 4.44 |
|      | 24.0              | 22.4  | 38.04                  | 7.21  | 34.49 | 6.19  | 32.44 | 5.65  | 31.51 | 5.43 | 30.13 | 5.11 | 24.39 | 4.05 |
|      | 27.0              | 25.3  | 38.04                  | 6.50  | 34.49 | 5.61  | 32.44 | 5.16  | 31.51 | 4.92 | 30.13 | 4.69 | 24.39 | 3.70 |
|      | 30.0              | 28.1  | 38.04                  | 5.87  | 34.49 | 5.09  | 32.44 | 4.72  | 31.51 | 4.46 | 30.13 | 4.31 | 24.39 | 3.38 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.14:8HP heating capacity(continued)

| CR   | Outdoor air temp. |       | Indoor air temp. °C DB |      |       |      |       |      |       |      |       |      |       |      |
|------|-------------------|-------|------------------------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
|      |                   |       | 16.0                   |      | 18.0  |      | 20.0  |      | 21.0  |      | 22.0  |      | 24.0  |      |
|      | °C DB             | °C WB | TC                     | PI   | TC    | PI   | TC    | PI   | TC    | PI   | TC    | PI   | TC    | PI   |
| 110% | -30.0             | -30.5 | 17.39                  | 6.70 | 17.36 | 7.10 | 16.51 | 6.65 | 16.35 | 6.44 | 16.18 | 6.20 | 15.85 | 5.84 |
|      | -25.0             | -25.4 | 18.15                  | 7.18 | 17.88 | 7.44 | 17.43 | 7.36 | 17.15 | 7.25 | 16.82 | 7.08 | 16.03 | 6.74 |
|      | -19.8             | -20.0 | 18.64                  | 7.58 | 18.35 | 7.77 | 18.06 | 8.00 | 17.91 | 8.12 | 17.77 | 8.21 | 17.44 | 8.35 |
|      | -18.8             | -19.0 | 18.72                  | 7.64 | 18.43 | 7.82 | 18.13 | 8.04 | 17.99 | 8.15 | 17.84 | 8.28 | 17.47 | 8.33 |
|      | -16.7             | -17.0 | 18.88                  | 7.73 | 18.58 | 7.92 | 18.28 | 8.15 | 18.13 | 8.26 | 17.98 | 8.35 | 17.49 | 8.10 |
|      | -13.7             | -15.0 | 19.04                  | 7.89 | 18.73 | 8.09 | 18.42 | 8.29 | 18.26 | 8.39 | 18.06 | 8.35 | 17.52 | 7.94 |
|      | -11.8             | -13.0 | 19.18                  | 7.96 | 18.86 | 8.14 | 18.55 | 8.35 | 18.34 | 8.29 | 18.09 | 8.12 | 17.55 | 7.70 |
|      | -9.8              | -11.0 | 19.32                  | 8.03 | 18.99 | 8.22 | 18.62 | 8.22 | 18.37 | 8.09 | 18.12 | 7.91 | 17.57 | 7.45 |
|      | -9.5              | -10.0 | 19.38                  | 8.03 | 19.06 | 8.21 | 18.62 | 8.02 | 18.34 | 7.79 | 18.08 | 7.60 | 17.52 | 7.15 |
|      | -8.5              | -9.1  | 19.44                  | 8.05 | 19.11 | 8.25 | 18.61 | 7.90 | 18.34 | 7.64 | 18.06 | 7.36 | 17.47 | 6.85 |
|      | -7.0              | -7.6  | 19.53                  | 8.11 | 19.15 | 8.15 | 18.61 | 7.65 | 18.34 | 7.40 | 18.05 | 7.13 | 17.47 | 6.62 |
|      | -5.0              | -5.6  | 19.28                  | 8.02 | 18.83 | 7.78 | 18.31 | 7.28 | 18.03 | 7.01 | 17.75 | 6.73 | 17.17 | 6.25 |
|      | -3.0              | -3.7  | 19.90                  | 7.96 | 19.42 | 7.66 | 18.87 | 7.12 | 18.58 | 6.85 | 18.28 | 6.54 | 17.66 | 6.09 |
|      | 0.0               | -0.7  | 21.51                  | 8.17 | 21.00 | 7.84 | 20.37 | 7.23 | 20.05 | 6.90 | 19.71 | 6.63 | 19.01 | 6.12 |
|      | 3.0               | 2.2   | 24.13                  | 8.69 | 23.44 | 8.25 | 22.73 | 7.56 | 22.36 | 7.22 | 21.98 | 6.93 | 21.15 | 6.34 |
|      | 5.0               | 4.1   | 26.20                  | 8.99 | 25.42 | 8.48 | 24.62 | 7.74 | 24.20 | 7.39 | 23.77 | 7.07 | 22.75 | 6.40 |
|      | 7.0               | 6.0   | 29.92                  | 9.74 | 28.96 | 9.16 | 27.56 | 8.20 | 27.17 | 7.83 | 26.62 | 7.42 | 22.75 | 5.95 |
|      | 9.0               | 7.9   | 30.65                  | 9.45 | 29.66 | 8.84 | 28.32 | 7.96 | 27.75 | 7.52 | 27.47 | 7.18 | 22.75 | 5.65 |
|      | 11.0              | 9.8   | 31.37                  | 9.12 | 29.91 | 8.44 | 28.90 | 7.64 | 28.61 | 7.26 | 27.47 | 6.67 | 22.75 | 5.36 |
|      | 13.0              | 11.8  | 32.08                  | 8.80 | 30.68 | 8.16 | 29.77 | 7.34 | 28.61 | 6.73 | 27.47 | 6.23 | 22.75 | 5.07 |
| 100% | 15.0              | 13.7  | 32.32                  | 8.36 | 31.25 | 7.80 | 29.77 | 6.80 | 28.61 | 6.24 | 27.47 | 5.93 | 22.75 | 4.83 |
|      | 18.0              | 16.6  | 33.22                  | 7.16 | 32.58 | 6.75 | 29.77 | 6.03 | 28.61 | 5.73 | 27.47 | 5.48 | 22.75 | 4.44 |
|      | 21.0              | 19.5  | 34.58                  | 6.83 | 32.58 | 6.17 | 29.77 | 5.55 | 28.61 | 5.25 | 27.47 | 5.00 | 22.75 | 4.11 |
|      | 24.0              | 22.4  | 34.58                  | 6.20 | 32.58 | 5.68 | 29.77 | 5.08 | 28.61 | 4.83 | 27.47 | 4.62 | 22.75 | 3.75 |
|      | 27.0              | 25.3  | 34.58                  | 5.64 | 32.58 | 5.19 | 29.77 | 4.66 | 28.61 | 4.41 | 27.47 | 4.17 | 22.75 | 3.37 |
|      | 30.0              | 28.1  | 34.58                  | 5.13 | 32.58 | 4.74 | 29.77 | 4.27 | 28.61 | 4.02 | 27.47 | 3.76 | 22.75 | 3.03 |
|      | -30.0             | -30.5 | 17.29                  | 7.00 | 16.74 | 6.70 | 16.42 | 6.34 | 16.25 | 6.05 | 16.09 | 5.90 | 15.76 | 5.96 |
|      | -25.0             | -25.4 | 18.05                  | 7.50 | 17.59 | 7.42 | 17.05 | 7.22 | 16.76 | 7.06 | 16.27 | 6.84 | 15.76 | 6.65 |
|      | -19.8             | -20.0 | 18.53                  | 7.89 | 18.24 | 8.12 | 17.96 | 8.34 | 17.82 | 8.48 | 17.63 | 8.49 | 17.06 | 8.05 |
|      | -18.8             | -19.0 | 18.61                  | 7.95 | 18.32 | 8.17 | 18.03 | 8.40 | 17.89 | 8.53 | 17.67 | 8.46 | 17.07 | 7.92 |
|      | -16.7             | -17.0 | 18.77                  | 8.08 | 18.47 | 8.29 | 18.18 | 8.53 | 17.95 | 8.42 | 17.69 | 8.22 | 17.08 | 7.68 |
|      | -13.7             | -15.0 | 18.92                  | 8.24 | 18.62 | 8.46 | 18.23 | 8.44 | 17.98 | 8.26 | 17.72 | 8.08 | 17.10 | 7.48 |
|      | -11.8             | -13.0 | 19.06                  | 8.33 | 18.75 | 8.53 | 18.27 | 8.23 | 18.01 | 8.04 | 17.75 | 7.82 | 17.12 | 7.22 |
|      | -9.8              | -11.0 | 19.20                  | 8.41 | 18.79 | 8.34 | 18.30 | 8.01 | 18.04 | 7.79 | 17.77 | 7.57 | 17.13 | 6.94 |
|      | -9.5              | -10.0 | 19.26                  | 8.43 | 18.77 | 8.09 | 18.26 | 7.69 | 18.00 | 7.48 | 17.72 | 7.26 | 17.07 | 6.65 |
|      | -8.5              | -9.1  | 19.30                  | 8.42 | 18.78 | 7.95 | 18.23 | 7.45 | 17.95 | 7.21 | 17.66 | 6.96 | 17.07 | 6.54 |
|      | -7.0              | -7.6  | 19.30                  | 8.17 | 18.78 | 7.71 | 18.23 | 7.20 | 17.95 | 6.95 | 17.67 | 6.73 | 17.07 | 6.32 |
|      | -5.0              | -5.6  | 18.99                  | 7.80 | 18.47 | 7.31 | 17.93 | 6.81 | 17.65 | 6.56 | 17.36 | 6.36 | 16.78 | 5.97 |
|      | -3.0              | -3.7  | 19.58                  | 7.68 | 19.03 | 7.16 | 18.45 | 6.62 | 18.16 | 6.40 | 17.86 | 6.18 | 17.24 | 5.79 |
|      | 0.0               | -0.7  | 21.16                  | 7.87 | 20.55 | 7.27 | 19.89 | 6.71 | 19.56 | 6.47 | 19.22 | 6.22 | 18.52 | 5.78 |
| 100% | 3.0               | 2.2   | 23.61                  | 8.27 | 22.92 | 7.59 | 22.18 | 6.99 | 21.78 | 6.71 | 21.36 | 6.45 | 20.51 | 5.94 |
|      | 5.0               | 4.1   | 25.59                  | 8.50 | 24.80 | 7.79 | 23.94 | 7.13 | 23.47 | 6.83 | 22.68 | 6.41 | 21.93 | 5.95 |
|      | 7.0               | 6.0   | 29.11                  | 9.12 | 27.84 | 8.27 | 27.00 | 7.56 | 23.47 | 6.37 | 22.68 | 5.96 | 21.93 | 5.65 |
|      | 9.0               | 7.9   | 29.39                  | 8.71 | 28.42 | 7.93 | 27.00 | 7.05 | 23.47 | 5.93 | 22.68 | 5.66 | 21.93 | 5.34 |
|      | 11.0              | 9.8   | 30.17                  | 8.45 | 29.30 | 7.67 | 27.00 | 6.54 | 23.47 | 5.59 | 22.68 | 5.36 | 21.93 | 5.08 |
|      | 13.0              | 11.8  | 30.78                  | 8.11 | 29.30 | 7.16 | 27.00 | 6.10 | 23.47 | 5.28 | 22.68 | 5.08 | 21.93 | 4.83 |
|      | 15.0              | 13.7  | 31.67                  | 7.82 | 29.30 | 6.62 | 27.00 | 5.82 | 23.47 | 5.04 | 22.68 | 4.84 | 21.93 | 4.63 |
|      | 18.0              | 16.6  | 31.67                  | 6.52 | 29.30 | 5.93 | 27.00 | 5.36 | 23.47 | 4.65 | 22.68 | 4.45 | 21.93 | 4.27 |
|      | 21.0              | 19.5  | 31.67                  | 6.02 | 29.30 | 5.48 | 27.00 | 4.96 | 23.47 | 4.27 | 22.68 | 4.12 | 21.93 | 3.91 |
|      | 24.0              | 22.4  | 31.67                  | 5.51 | 29.30 | 5.00 | 27.00 | 4.52 | 23.47 | 3.89 | 22.68 | 3.75 | 21.93 | 3.56 |
| 100% | 27.0              | 25.3  | 31.67                  | 5.02 | 29.30 | 4.54 | 27.00 | 4.13 | 23.47 | 3.52 | 22.68 | 3.38 | 21.93 | 3.18 |
|      | 30.0              | 28.1  | 31.67                  | 4.57 | 29.30 | 4.13 | 27.00 | 3.78 | 23.47 | 3.19 | 22.68 | 3.04 | 21.93 | 2.84 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

## V8 PRO VRF 50Hz



Table2-8.14:8HP heating capacity(continued)

| CR  | Outdoor air temp. |       | Indoor air temp. °C DB |      |       |      |       |      |       |      |       |      |       |      |
|-----|-------------------|-------|------------------------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
|     |                   |       | 16.0                   |      | 18.0  |      | 20.0  |      | 21.0  |      | 22.0  |      | 24.0  |      |
|     | °C DB             | °C WB | TC                     | PI   | TC    | PI   | TC    | PI   | TC    | PI   | TC    | PI   | TC    | PI   |
| 90% | -30.0             | -30.5 | 15.84                  | 6.36 | 15.07 | 5.81 | 14.77 | 5.52 | 14.63 | 5.46 | 14.48 | 5.39 | 14.18 | 5.58 |
|     | -25.0             | -25.4 | 16.47                  | 7.01 | 15.99 | 6.82 | 15.49 | 6.59 | 15.21 | 6.43 | 14.93 | 6.27 | 14.30 | 6.09 |
|     | -19.8             | -20.0 | 17.00                  | 7.68 | 16.73 | 7.89 | 16.40 | 7.95 | 16.15 | 7.74 | 15.89 | 7.52 | 15.35 | 7.08 |
|     | -18.8             | -19.0 | 17.06                  | 7.73 | 16.79 | 7.97 | 16.40 | 7.83 | 16.15 | 7.59 | 15.89 | 7.39 | 15.35 | 6.93 |
|     | -16.7             | -17.0 | 17.19                  | 7.84 | 16.89 | 7.99 | 16.44 | 7.66 | 16.18 | 7.43 | 15.91 | 7.19 | 15.37 | 6.72 |
|     | -13.7             | -15.0 | 17.31                  | 8.02 | 16.93 | 7.89 | 16.46 | 7.52 | 16.20 | 7.27 | 15.93 | 7.00 | 15.37 | 6.50 |
|     | -11.8             | -13.0 | 17.37                  | 7.90 | 16.96 | 7.68 | 16.48 | 7.28 | 16.22 | 7.02 | 15.94 | 6.76 | 15.36 | 6.27 |
|     | -9.8              | -11.0 | 17.39                  | 7.68 | 16.98 | 7.47 | 16.50 | 7.05 | 16.23 | 6.76 | 15.95 | 6.48 | 15.35 | 6.02 |
|     | -9.5              | -10.0 | 17.37                  | 7.41 | 16.95 | 7.16 | 16.46 | 6.74 | 16.18 | 6.45 | 15.89 | 6.19 | 15.35 | 5.85 |
|     | -8.5              | -9.1  | 17.37                  | 7.28 | 16.90 | 6.92 | 16.41 | 6.44 | 16.15 | 6.24 | 15.89 | 6.10 | 15.35 | 5.74 |
|     | -7.0              | -7.6  | 17.37                  | 7.06 | 16.89 | 6.64 | 16.40 | 6.24 | 16.15 | 6.07 | 15.89 | 5.92 | 15.35 | 5.57 |
|     | -5.0              | -5.6  | 17.08                  | 6.71 | 16.61 | 6.26 | 16.12 | 5.88 | 15.88 | 5.73 | 15.62 | 5.56 | 15.09 | 5.25 |
|     | -3.0              | -3.7  | 17.60                  | 6.55 | 17.10 | 6.10 | 16.58 | 5.74 | 16.33 | 5.58 | 16.06 | 5.42 | 15.51 | 5.09 |
|     | 0.0               | -0.7  | 19.01                  | 6.65 | 18.44 | 6.16 | 17.86 | 5.78 | 17.56 | 5.59 | 17.27 | 5.40 | 16.62 | 5.05 |
|     | 3.0               | 2.2   | 21.25                  | 6.99 | 20.58 | 6.44 | 19.88 | 5.99 | 19.53 | 5.77 | 19.16 | 5.53 | 18.10 | 5.10 |
|     | 5.0               | 4.1   | 23.03                  | 7.17 | 22.24 | 6.56 | 21.41 | 6.02 | 20.98 | 5.77 | 20.33 | 5.50 | 18.10 | 4.88 |
|     | 7.0               | 6.0   | 26.19                  | 7.67 | 24.79 | 6.85 | 21.41 | 5.60 | 20.98 | 5.44 | 20.33 | 5.27 | 18.10 | 4.60 |
|     | 9.0               | 7.9   | 26.42                  | 7.26 | 25.58 | 6.59 | 21.41 | 5.32 | 20.98 | 5.16 | 20.33 | 4.95 | 18.10 | 4.34 |
|     | 11.0              | 9.8   | 27.09                  | 6.97 | 26.37 | 6.29 | 21.41 | 5.06 | 20.98 | 4.96 | 20.33 | 4.75 | 18.10 | 4.15 |
|     | 13.0              | 11.8  | 27.70                  | 6.60 | 26.37 | 6.00 | 21.41 | 4.81 | 20.98 | 4.69 | 20.33 | 4.51 | 18.10 | 3.93 |
| 80% | 15.0              | 13.7  | 28.51                  | 6.26 | 26.37 | 5.69 | 21.41 | 4.59 | 20.98 | 4.48 | 20.33 | 4.31 | 19.68 | 4.08 |
|     | 18.0              | 16.6  | 28.51                  | 5.77 | 26.37 | 5.25 | 21.41 | 4.22 | 20.98 | 4.14 | 20.33 | 3.97 | 19.68 | 3.75 |
|     | 21.0              | 19.5  | 28.51                  | 5.29 | 26.37 | 4.83 | 21.41 | 3.88 | 20.98 | 3.77 | 20.33 | 3.65 | 19.68 | 3.44 |
|     | 24.0              | 22.4  | 28.51                  | 4.84 | 26.37 | 4.43 | 21.41 | 3.55 | 20.98 | 3.43 | 20.33 | 3.31 | 19.68 | 3.11 |
|     | 27.0              | 25.3  | 28.51                  | 4.42 | 26.37 | 4.01 | 21.41 | 3.19 | 20.98 | 3.08 | 20.33 | 2.93 | 19.68 | 2.73 |
|     | 30.0              | 28.1  | 28.51                  | 4.03 | 26.37 | 3.64 | 21.41 | 2.87 | 20.98 | 2.76 | 20.33 | 2.59 | 19.68 | 2.40 |
|     | -30.0             | -30.5 | 13.66                  | 5.08 | 13.40 | 5.01 | 13.13 | 4.98 | 13.00 | 4.96 | 12.87 | 5.09 | 12.61 | 5.37 |
|     | -25.0             | -25.4 | 14.71                  | 6.26 | 14.29 | 6.06 | 13.85 | 5.85 | 13.62 | 5.74 | 13.40 | 5.72 | 12.75 | 5.56 |
|     | -19.8             | -20.0 | 15.40                  | 7.49 | 15.01 | 7.23 | 14.58 | 6.86 | 14.35 | 6.68 | 14.12 | 6.49 | 13.63 | 6.10 |
|     | -18.8             | -19.0 | 15.44                  | 7.49 | 15.01 | 7.12 | 14.58 | 6.76 | 14.35 | 6.55 | 14.12 | 6.38 | 13.64 | 6.01 |
|     | -16.7             | -17.0 | 15.46                  | 7.32 | 15.02 | 6.92 | 14.59 | 6.53 | 14.36 | 6.33 | 14.12 | 6.12 | 13.64 | 5.85 |
|     | -13.7             | -15.0 | 15.48                  | 7.20 | 15.04 | 6.78 | 14.60 | 6.36 | 14.37 | 6.13 | 14.12 | 5.96 | 13.64 | 5.69 |
|     | -11.8             | -13.0 | 15.50                  | 6.99 | 15.06 | 6.54 | 14.61 | 6.10 | 14.35 | 5.92 | 14.12 | 5.75 | 13.64 | 5.45 |
|     | -9.8              | -11.0 | 15.52                  | 6.78 | 15.07 | 6.31 | 14.60 | 5.86 | 14.35 | 5.67 | 14.12 | 5.54 | 13.64 | 5.22 |
|     | -9.5              | -10.0 | 15.49                  | 6.50 | 15.03 | 6.00 | 14.58 | 5.65 | 14.35 | 5.52 | 14.12 | 5.40 | 13.63 | 5.10 |
|     | -8.5              | -9.1  | 15.45                  | 6.24 | 15.01 | 5.85 | 14.58 | 5.57 | 14.35 | 5.42 | 14.12 | 5.29 | 13.64 | 4.99 |
|     | -7.0              | -7.6  | 15.44                  | 5.99 | 15.01 | 5.69 | 14.58 | 5.41 | 14.35 | 5.26 | 14.12 | 5.11 | 13.64 | 4.82 |
|     | -5.0              | -5.6  | 15.16                  | 5.64 | 14.75 | 5.35 | 14.32 | 5.08 | 14.10 | 4.94 | 13.88 | 4.82 | 13.41 | 4.54 |
|     | -3.0              | -3.7  | 15.61                  | 5.49 | 15.18 | 5.22 | 14.74 | 4.94 | 14.51 | 4.83 | 14.27 | 4.67 | 13.78 | 4.47 |
|     | 0.0               | -0.7  | 16.84                  | 5.55 | 16.37 | 5.27 | 15.87 | 4.97 | 15.59 | 4.78 | 15.33 | 4.68 | 14.75 | 4.47 |
|     | 3.0               | 2.2   | 18.82                  | 5.81 | 18.25 | 5.45 | 17.64 | 5.11 | 17.28 | 4.95 | 16.96 | 4.83 | 16.08 | 4.53 |
|     | 5.0               | 4.1   | 20.34                  | 5.88 | 19.68 | 5.49 | 18.93 | 5.13 | 18.34 | 4.97 | 18.07 | 4.88 | 16.08 | 4.34 |
|     | 7.0               | 6.0   | 22.75                  | 6.14 | 22.03 | 5.76 | 18.93 | 4.90 | 18.34 | 4.76 | 18.07 | 4.61 | 17.41 | 4.39 |
|     | 9.0               | 7.9   | 23.18                  | 5.79 | 22.74 | 5.63 | 18.93 | 4.62 | 18.34 | 4.44 | 18.07 | 4.36 | 17.41 | 4.17 |
|     | 11.0              | 9.8   | 23.90                  | 5.71 | 22.74 | 5.37 | 18.93 | 4.40 | 18.34 | 4.22 | 18.07 | 4.14 | 17.41 | 3.94 |
|     | 13.0              | 11.8  | 24.62                  | 5.58 | 22.74 | 5.11 | 18.93 | 4.19 | 18.34 | 4.02 | 19.24 | 4.20 | 17.41 | 3.73 |
|     | 15.0              | 13.7  | 24.62                  | 5.31 | 22.74 | 4.85 | 18.93 | 3.98 | 18.34 | 3.81 | 19.24 | 4.00 | 17.41 | 3.54 |
|     | 18.0              | 16.6  | 24.62                  | 4.89 | 22.74 | 4.49 | 18.93 | 3.72 | 18.34 | 3.55 | 19.24 | 3.64 | 17.41 | 3.26 |
|     | 21.0              | 19.5  | 24.62                  | 4.52 | 22.74 | 4.12 | 18.93 | 3.40 | 18.34 | 3.24 | 19.24 | 3.42 | 17.41 | 2.96 |
|     | 24.0              | 22.4  | 24.62                  | 4.11 | 22.74 | 3.76 | 18.93 | 3.06 | 18.34 | 2.95 | 19.24 | 3.06 | 17.41 | 2.68 |
|     | 27.0              | 25.3  | 24.62                  | 3.70 | 22.74 | 3.36 | 18.93 | 2.70 | 18.34 | 2.59 | 19.24 | 2.68 | 17.41 | 2.35 |
|     | 30.0              | 28.1  | 24.62                  | 3.33 | 22.74 | 3.00 | 18.93 | 2.38 | 18.34 | 2.26 | 19.24 | 2.36 | 17.41 | 2.06 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.14:8HP heating capacity(continued)

| CR  | Outdoor air temp. |       | Indoor air temp. °C DB |      |       |      |       |      |       |      |       |      |       |      |
|-----|-------------------|-------|------------------------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
|     |                   |       | 16.0                   |      | 18.0  |      | 20.0  |      | 21.0  |      | 22.0  |      | 24.0  |      |
|     | °C DB             | °C WB | TC                     | PI   | TC    | PI   | TC    | PI   | TC    | PI   | TC    | PI   | TC    | PI   |
| 70% | -30.0             | -30.5 | 12.13                  | 4.60 | 11.72 | 4.45 | 11.49 | 4.68 | 11.38 | 4.78 | 11.26 | 4.86 | 11.03 | 4.99 |
|     | -25.0             | -25.4 | 12.97                  | 5.51 | 12.58 | 5.29 | 12.22 | 5.26 | 12.03 | 5.23 | 11.83 | 5.21 | 11.43 | 5.15 |
|     | -19.8             | -20.0 | 13.50                  | 6.42 | 13.13 | 6.11 | 12.75 | 5.79 | 12.56 | 5.65 | 12.35 | 5.54 | 11.93 | 5.36 |
|     | -18.8             | -19.0 | 13.50                  | 6.32 | 13.13 | 6.01 | 12.75 | 5.68 | 12.55 | 5.58 | 12.35 | 5.48 | 11.92 | 5.27 |
|     | -16.7             | -17.0 | 13.52                  | 6.15 | 13.14 | 5.81 | 12.75 | 5.52 | 12.55 | 5.42 | 12.35 | 5.31 | 11.93 | 5.08 |
|     | -13.7             | -15.0 | 13.53                  | 6.00 | 13.15 | 5.64 | 12.75 | 5.36 | 12.56 | 5.26 | 12.35 | 5.15 | 11.92 | 4.91 |
|     | -11.8             | -13.0 | 13.54                  | 5.77 | 13.14 | 5.42 | 12.75 | 5.17 | 12.56 | 5.05 | 12.35 | 4.93 | 11.92 | 4.69 |
|     | -9.8              | -11.0 | 13.54                  | 5.53 | 13.13 | 5.20 | 12.75 | 4.97 | 12.55 | 4.85 | 12.35 | 4.73 | 11.93 | 4.46 |
|     | -9.5              | -10.0 | 13.50                  | 5.29 | 13.13 | 5.08 | 12.75 | 4.84 | 12.55 | 4.72 | 12.35 | 4.58 | 11.92 | 4.37 |
|     | -8.5              | -9.1  | 13.50                  | 5.20 | 13.13 | 4.98 | 12.75 | 4.75 | 12.55 | 4.62 | 12.35 | 4.48 | 11.93 | 4.34 |
|     | -7.0              | -7.6  | 13.50                  | 5.04 | 13.13 | 4.83 | 12.75 | 4.60 | 12.55 | 4.46 | 12.35 | 4.36 | 11.93 | 4.23 |
|     | -5.0              | -5.6  | 13.26                  | 4.75 | 12.90 | 4.54 | 12.53 | 4.31 | 12.33 | 4.22 | 12.14 | 4.14 | 11.72 | 4.00 |
|     | -3.0              | -3.7  | 13.65                  | 4.63 | 13.28 | 4.40 | 12.89 | 4.20 | 12.69 | 4.14 | 12.48 | 4.07 | 12.05 | 3.93 |
|     | 0.0               | -0.7  | 14.71                  | 4.62 | 14.28 | 4.39 | 13.83 | 4.21 | 13.62 | 4.14 | 13.38 | 4.05 | 12.89 | 3.90 |
|     | 3.0               | 2.2   | 16.40                  | 4.76 | 15.87 | 4.53 | 15.34 | 4.36 | 15.08 | 4.28 | 14.80 | 4.18 | 14.06 | 3.98 |
|     | 5.0               | 4.1   | 17.67                  | 4.83 | 17.12 | 4.64 | 16.55 | 4.47 | 16.04 | 4.33 | 15.81 | 4.28 | 15.35 | 4.13 |
|     | 7.0               | 6.0   | 19.86                  | 5.18 | 19.28 | 4.96 | 18.13 | 4.60 | 16.04 | 4.03 | 18.52 | 4.64 | 15.35 | 3.79 |
|     | 9.0               | 7.9   | 20.28                  | 4.97 | 19.74 | 4.82 | 18.13 | 4.37 | 16.04 | 3.83 | 18.52 | 4.44 | 15.35 | 3.62 |
|     | 11.0              | 9.8   | 20.91                  | 4.90 | 19.74 | 4.57 | 18.13 | 4.14 | 16.04 | 3.66 | 18.52 | 4.17 | 15.35 | 3.43 |
|     | 13.0              | 11.8  | 20.91                  | 4.64 | 19.74 | 4.32 | 18.13 | 3.93 | 16.04 | 3.44 | 18.52 | 3.95 | 15.35 | 3.25 |
| 60% | 15.0              | 13.7  | 20.91                  | 4.40 | 19.74 | 4.11 | 18.13 | 3.71 | 17.44 | 3.57 | 18.52 | 3.74 | 15.35 | 3.09 |
|     | 18.0              | 16.6  | 20.91                  | 4.14 | 19.74 | 3.83 | 18.13 | 3.46 | 17.44 | 3.28 | 18.52 | 3.45 | 15.35 | 2.82 |
|     | 21.0              | 19.5  | 20.91                  | 3.78 | 19.74 | 3.50 | 18.13 | 3.14 | 17.44 | 2.97 | 18.52 | 3.13 | 15.35 | 2.56 |
|     | 24.0              | 22.4  | 20.91                  | 3.43 | 19.74 | 3.20 | 18.13 | 2.81 | 17.44 | 2.69 | 18.52 | 2.83 | 15.98 | 2.67 |
|     | 27.0              | 25.3  | 20.91                  | 3.03 | 19.74 | 2.79 | 18.13 | 2.49 | 17.44 | 2.38 | 18.52 | 2.80 | 15.98 | 2.31 |
|     | 30.0              | 28.1  | 20.91                  | 2.67 | 19.74 | 2.43 | 18.13 | 2.21 | 17.44 | 2.10 | 18.53 | 2.77 | 15.98 | 2.00 |
|     | -30.0             | -30.5 | 10.72                  | 4.32 | 10.47 | 4.43 | 9.99  | 4.41 | 9.85  | 4.43 | 9.65  | 4.49 | 9.46  | 4.66 |
|     | -25.0             | -25.4 | 11.19                  | 4.80 | 10.90 | 4.77 | 10.56 | 4.72 | 10.39 | 4.68 | 10.21 | 4.67 | 9.89  | 4.65 |
|     | -19.8             | -20.0 | 11.57                  | 5.28 | 11.26 | 5.09 | 10.93 | 4.93 | 10.75 | 4.85 | 10.58 | 4.76 | 10.22 | 4.59 |
|     | -18.8             | -19.0 | 11.57                  | 5.18 | 11.25 | 5.01 | 10.93 | 4.85 | 10.76 | 4.77 | 10.58 | 4.67 | 10.22 | 4.51 |
|     | -16.7             | -17.0 | 11.57                  | 5.03 | 11.25 | 4.86 | 10.92 | 4.69 | 10.75 | 4.59 | 10.58 | 4.48 | 10.21 | 4.30 |
|     | -13.7             | -15.0 | 11.57                  | 4.88 | 11.25 | 4.72 | 10.93 | 4.53 | 10.75 | 4.44 | 10.58 | 4.33 | 10.22 | 4.15 |
|     | -11.8             | -13.0 | 11.57                  | 4.72 | 11.25 | 4.54 | 10.93 | 4.32 | 10.76 | 4.24 | 10.58 | 4.13 | 10.23 | 4.05 |
|     | -9.8              | -11.0 | 11.57                  | 4.53 | 11.25 | 4.34 | 10.92 | 4.14 | 10.76 | 4.04 | 10.58 | 3.99 | 10.22 | 3.91 |
|     | -9.5              | -10.0 | 11.57                  | 4.41 | 11.25 | 4.21 | 10.92 | 4.03 | 10.76 | 3.98 | 10.58 | 3.93 | 10.22 | 3.83 |
|     | -8.5              | -9.1  | 11.57                  | 4.32 | 11.25 | 4.11 | 10.92 | 3.96 | 10.75 | 3.91 | 10.58 | 3.87 | 10.22 | 3.78 |
|     | -7.0              | -7.6  | 11.57                  | 4.19 | 11.25 | 3.97 | 10.93 | 3.88 | 10.76 | 3.83 | 10.58 | 3.76 | 10.21 | 3.65 |
|     | -5.0              | -5.6  | 11.36                  | 3.92 | 11.05 | 3.80 | 10.73 | 3.68 | 10.57 | 3.63 | 10.40 | 3.58 | 10.05 | 3.49 |
|     | -3.0              | -3.7  | 11.70                  | 3.83 | 11.38 | 3.74 | 11.04 | 3.60 | 10.87 | 3.58 | 10.69 | 3.52 | 10.32 | 3.40 |
|     | 0.0               | -0.7  | 12.58                  | 3.85 | 12.22 | 3.75 | 11.85 | 3.61 | 11.66 | 3.56 | 11.46 | 3.51 | 11.05 | 3.40 |
|     | 3.0               | 2.2   | 14.00                  | 4.00 | 13.58 | 3.87 | 13.14 | 3.74 | 12.92 | 3.68 | 12.68 | 3.61 | 12.05 | 3.44 |
|     | 5.0               | 4.1   | 15.15                  | 4.13 | 14.68 | 3.99 | 14.17 | 3.85 | 13.74 | 3.73 | 13.55 | 3.70 | 13.16 | 3.51 |
|     | 7.0               | 6.0   | 17.02                  | 4.35 | 16.52 | 4.17 | 16.20 | 4.05 | 13.74 | 3.42 | 13.55 | 3.35 | 13.16 | 3.23 |
|     | 9.0               | 7.9   | 17.39                  | 4.22 | 16.52 | 3.96 | 16.72 | 3.99 | 13.74 | 3.28 | 13.55 | 3.19 | 13.16 | 3.07 |
|     | 11.0              | 9.8   | 17.93                  | 4.13 | 16.81 | 3.85 | 17.24 | 3.89 | 13.74 | 3.10 | 13.55 | 3.04 | 13.16 | 2.93 |
|     | 13.0              | 11.8  | 18.05                  | 3.93 | 16.81 | 3.63 | 17.24 | 3.68 | 13.74 | 2.94 | 13.55 | 2.88 | 13.16 | 2.77 |
|     | 15.0              | 13.7  | 18.05                  | 3.72 | 16.81 | 3.44 | 17.24 | 3.50 | 13.74 | 2.79 | 13.55 | 2.74 | 13.16 | 2.64 |
|     | 18.0              | 16.6  | 18.05                  | 3.45 | 16.81 | 3.17 | 17.24 | 3.37 | 15.75 | 3.17 | 15.08 | 3.03 | 13.70 | 2.69 |
|     | 21.0              | 19.5  | 18.05                  | 3.14 | 16.81 | 2.89 | 17.24 | 2.92 | 15.75 | 2.68 | 15.08 | 2.56 | 13.70 | 2.27 |
|     | 24.0              | 22.4  | 18.05                  | 2.83 | 16.81 | 2.61 | 17.24 | 2.61 | 15.75 | 2.65 | 15.08 | 2.53 | 13.70 | 2.22 |
|     | 27.0              | 25.3  | 18.05                  | 2.49 | 16.81 | 2.27 | 17.24 | 2.57 | 15.75 | 2.31 | 15.08 | 2.17 | 13.70 | 1.95 |
|     | 30.0              | 28.1  | 18.05                  | 2.19 | 16.81 | 1.98 | 17.45 | 2.57 | 15.75 | 2.02 | 15.08 | 1.87 | 13.70 | 1.72 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...



# V8 PRO VRF 50Hz



Table2-8.14:8HP heating capacity(continued)

| CR  | Outdoor air temp. |       | Indoor air temp. °C DB |      |       |      |       |      |       |      |       |      |       |      |
|-----|-------------------|-------|------------------------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
|     |                   |       | 16.0                   |      | 18.0  |      | 20.0  |      | 21.0  |      | 22.0  |      | 24.0  |      |
|     |                   |       | TC                     | PI   | TC    | PI   | TC    | PI   | TC    | PI   | TC    | PI   | TC    | PI   |
| 50% | °C DB             | °C WB | kW                     | kW   | kW    | kW   | kW    | kW   | kW    | kW   | kW    | kW   | kW    | kW   |
|     | -30.0             | -30.5 | 9.13                   | 4.07 | 8.89  | 4.13 | 8.65  | 4.23 | 8.49  | 4.23 | 8.32  | 4.21 | 7.88  | 4.12 |
|     | -25.0             | -25.4 | 9.40                   | 4.23 | 9.15  | 4.20 | 8.89  | 4.18 | 8.74  | 4.15 | 8.58  | 4.11 | 8.28  | 4.05 |
|     | -19.8             | -20.0 | 9.64                   | 4.38 | 9.38  | 4.26 | 9.10  | 4.13 | 8.96  | 4.05 | 8.81  | 3.99 | 8.55  | 3.91 |
|     | -18.8             | -19.0 | 9.64                   | 4.31 | 9.37  | 4.17 | 9.10  | 4.04 | 8.96  | 3.96 | 8.82  | 3.90 | 8.51  | 3.78 |
|     | -16.7             | -17.0 | 9.64                   | 4.15 | 9.37  | 4.00 | 9.10  | 3.85 | 8.96  | 3.79 | 8.81  | 3.72 | 8.53  | 3.69 |
|     | -13.7             | -15.0 | 9.64                   | 4.01 | 9.37  | 3.86 | 9.10  | 3.71 | 8.96  | 3.69 | 8.81  | 3.66 | 8.52  | 3.61 |
|     | -11.8             | -13.0 | 9.64                   | 3.83 | 9.37  | 3.68 | 9.11  | 3.62 | 8.96  | 3.58 | 8.81  | 3.56 | 8.51  | 3.49 |
|     | -9.8              | -11.0 | 9.64                   | 3.65 | 9.37  | 3.58 | 9.10  | 3.50 | 8.96  | 3.46 | 8.81  | 3.42 | 8.51  | 3.36 |
|     | -9.5              | -10.0 | 9.64                   | 3.57 | 9.38  | 3.50 | 9.10  | 3.43 | 8.96  | 3.38 | 8.81  | 3.35 | 8.51  | 3.27 |
|     | -8.5              | -9.1  | 9.64                   | 3.53 | 9.37  | 3.45 | 9.10  | 3.38 | 8.96  | 3.33 | 8.81  | 3.30 | 8.51  | 3.23 |
|     | -7.0              | -7.6  | 9.64                   | 3.45 | 9.37  | 3.35 | 9.10  | 3.28 | 8.96  | 3.24 | 8.81  | 3.20 | 8.51  | 3.13 |
|     | -5.0              | -5.6  | 9.46                   | 3.27 | 9.21  | 3.19 | 8.94  | 3.12 | 8.80  | 3.07 | 8.66  | 3.03 | 8.37  | 2.94 |
|     | -3.0              | -3.7  | 9.75                   | 3.21 | 9.48  | 3.14 | 9.20  | 3.05 | 9.06  | 3.02 | 8.91  | 2.97 | 8.60  | 2.88 |
|     | 0.0               | -0.7  | 10.48                  | 3.21 | 10.18 | 3.12 | 9.87  | 3.05 | 9.71  | 3.01 | 9.55  | 2.96 | 9.21  | 2.86 |
|     | 3.0               | 2.2   | 11.66                  | 3.34 | 11.31 | 3.24 | 10.95 | 3.14 | 10.77 | 3.10 | 10.56 | 3.05 | 10.04 | 2.92 |
|     | 5.0               | 4.1   | 12.62                  | 3.44 | 12.23 | 3.35 | 11.81 | 3.17 | 11.45 | 3.04 | 11.28 | 2.96 | 10.96 | 2.84 |
|     | 7.0               | 6.0   | 14.17                  | 3.53 | 13.77 | 3.41 | 13.50 | 3.34 | 11.45 | 2.83 | 11.28 | 2.78 | 10.96 | 2.71 |
|     | 9.0               | 7.9   | 14.49                  | 3.46 | 14.21 | 3.37 | 13.50 | 3.17 | 11.45 | 2.68 | 11.28 | 2.63 | 11.41 | 2.82 |
|     | 11.0              | 9.8   | 14.94                  | 3.37 | 14.65 | 3.28 | 13.50 | 3.02 | 11.45 | 2.55 | 11.28 | 2.51 | 11.41 | 2.52 |
|     | 13.0              | 11.8  | 15.39                  | 3.30 | 14.65 | 3.11 | 13.50 | 2.86 | 11.45 | 2.41 | 12.56 | 2.85 | 11.41 | 2.57 |
|     | 15.0              | 13.7  | 15.84                  | 3.22 | 14.65 | 2.95 | 13.50 | 2.72 | 13.13 | 2.85 | 12.56 | 2.53 | 11.41 | 2.43 |
|     | 18.0              | 16.6  | 15.98                  | 3.23 | 14.85 | 3.03 | 13.70 | 2.75 | 13.13 | 2.62 | 12.56 | 2.50 | 11.41 | 2.23 |
|     | 21.0              | 19.5  | 15.98                  | 2.70 | 14.85 | 2.51 | 13.70 | 2.28 | 13.13 | 2.39 | 12.56 | 2.26 | 11.41 | 2.09 |
|     | 24.0              | 22.4  | 15.98                  | 2.76 | 14.85 | 2.51 | 13.70 | 2.27 | 13.13 | 2.15 | 12.56 | 2.12 | 11.41 | 2.01 |
|     | 27.0              | 25.3  | 15.98                  | 2.41 | 14.85 | 2.22 | 13.70 | 1.98 | 13.13 | 1.95 | 12.56 | 1.92 | 11.41 | 1.87 |
|     | 30.0              | 28.1  | 15.98                  | 2.11 | 14.85 | 1.96 | 13.70 | 1.72 | 13.13 | 1.77 | 12.56 | 1.74 | 11.41 | 1.74 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table2-8.15:10HP heating capacity

| CR   | Outdoor air temp. |       | Indoor air temp. °C DB |       |       |       |       |       |       |       |       |       |       |      |
|------|-------------------|-------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
|      |                   |       | 16.0                   |       | 18.0  |       | 20.0  |       | 21.0  |       | 22.0  |       | 24.0  |      |
|      | °C DB             | °C WB | TC                     | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI   |
| 130% | -30.0             | -30.5 | 22.19                  | 7.53  | 21.76 | 7.80  | 21.34 | 8.06  | 21.12 | 8.19  | 20.91 | 8.37  | 20.48 | 8.09 |
|      | -25.0             | -25.4 | 22.19                  | 7.72  | 21.98 | 8.02  | 21.60 | 8.28  | 21.41 | 8.40  | 21.55 | 8.69  | 20.70 | 8.48 |
|      | -19.8             | -20.0 | 23.26                  | 8.29  | 22.90 | 8.50  | 22.55 | 8.77  | 22.37 | 8.89  | 22.19 | 9.02  | 21.84 | 9.27 |
|      | -18.8             | -19.0 | 23.39                  | 8.35  | 23.02 | 8.57  | 22.67 | 8.81  | 22.48 | 8.96  | 22.31 | 9.06  | 21.95 | 9.30 |
|      | -16.7             | -17.0 | 23.63                  | 8.47  | 23.26 | 8.70  | 22.89 | 8.92  | 22.71 | 9.02  | 22.52 | 9.15  | 22.15 | 9.39 |
|      | -13.7             | -15.0 | 23.87                  | 8.62  | 23.49 | 8.85  | 23.11 | 9.05  | 22.92 | 9.17  | 22.73 | 9.28  | 22.35 | 9.51 |
|      | -11.8             | -13.0 | 24.09                  | 8.69  | 23.70 | 8.90  | 23.31 | 9.11  | 23.12 | 9.23  | 22.92 | 9.33  | 22.53 | 9.55 |
|      | -9.8              | -11.0 | 24.29                  | 8.76  | 23.90 | 8.96  | 23.50 | 9.15  | 23.30 | 9.28  | 23.10 | 9.38  | 22.70 | 9.59 |
|      | -9.5              | -10.0 | 24.39                  | 8.75  | 23.99 | 8.95  | 23.59 | 9.15  | 23.39 | 9.24  | 23.19 | 9.36  | 22.79 | 9.56 |
|      | -8.5              | -9.1  | 24.48                  | 8.77  | 24.07 | 8.97  | 23.67 | 9.16  | 23.47 | 9.27  | 23.26 | 9.37  | 22.86 | 9.58 |
|      | -7.0              | -7.6  | 24.61                  | 8.81  | 24.20 | 9.01  | 23.79 | 9.21  | 23.59 | 9.30  | 23.38 | 9.40  | 22.94 | 9.53 |
|      | -5.0              | -5.6  | 24.35                  | 8.69  | 23.94 | 8.88  | 23.53 | 9.07  | 23.32 | 9.18  | 23.11 | 9.27  | 22.53 | 9.06 |
|      | -3.0              | -3.7  | 25.21                  | 8.86  | 24.79 | 9.06  | 24.36 | 9.24  | 24.15 | 9.33  | 23.94 | 9.45  | 23.19 | 8.92 |
|      | 0.0               | -0.7  | 27.37                  | 9.38  | 26.91 | 9.58  | 26.45 | 9.79  | 26.17 | 9.77  | 25.76 | 9.63  | 24.91 | 8.93 |
|      | 3.0               | 2.2   | 30.80                  | 10.33 | 30.29 | 10.55 | 29.64 | 10.41 | 29.17 | 10.32 | 28.69 | 9.98  | 27.68 | 9.07 |
|      | 5.0               | 4.1   | 33.63                  | 11.11 | 33.07 | 11.33 | 32.14 | 10.79 | 31.60 | 10.68 | 31.06 | 10.20 | 29.91 | 9.21 |
|      | 7.0               | 6.0   | 38.65                  | 12.58 | 37.87 | 12.52 | 36.60 | 11.72 | 35.94 | 11.47 | 34.82 | 10.78 | 33.69 | 9.76 |
|      | 9.0               | 7.9   | 39.91                  | 12.83 | 38.79 | 12.23 | 37.47 | 11.41 | 36.32 | 10.91 | 35.78 | 10.41 | 34.12 | 9.37 |
|      | 11.0              | 9.8   | 41.01                  | 12.72 | 39.70 | 11.94 | 37.83 | 10.91 | 37.29 | 10.53 | 36.59 | 10.00 | 34.12 | 8.82 |
|      | 13.0              | 11.8  | 41.95                  | 12.48 | 40.59 | 11.62 | 38.81 | 10.60 | 38.08 | 10.06 | 37.53 | 9.65  | 34.12 | 8.26 |
| 120% | 15.0              | 13.7  | 42.87                  | 12.14 | 40.92 | 11.10 | 39.58 | 10.16 | 39.19 | 9.74  | 37.53 | 9.08  | 34.12 | 7.73 |
|      | 18.0              | 16.6  | 44.23                  | 11.07 | 42.42 | 9.96  | 40.96 | 9.13  | 39.24 | 8.52  | 37.53 | 7.94  | 34.12 | 6.80 |
|      | 21.0              | 19.5  | 45.10                  | 10.61 | 43.81 | 9.61  | 40.96 | 8.50  | 39.24 | 7.89  | 37.53 | 7.27  | 34.12 | 6.23 |
|      | 24.0              | 22.4  | 46.42                  | 10.17 | 44.36 | 9.04  | 40.96 | 7.78  | 39.24 | 7.16  | 37.53 | 6.55  | 34.12 | 5.69 |
|      | 27.0              | 25.3  | 47.77                  | 9.54  | 44.36 | 8.35  | 40.96 | 7.07  | 39.24 | 6.45  | 37.53 | 5.97  | 34.12 | 5.22 |
|      | 30.0              | 28.1  | 47.77                  | 8.70  | 44.36 | 7.72  | 40.96 | 6.42  | 39.24 | 5.80  | 37.53 | 5.44  | 34.12 | 4.78 |
|      | -30.0             | -30.5 | 21.21                  | 7.42  | 20.80 | 7.69  | 20.40 | 7.95  | 20.19 | 8.10  | 19.99 | 8.15  | 19.58 | 7.57 |
|      | -25.0             | -25.4 | 21.48                  | 7.70  | 21.44 | 8.07  | 21.12 | 8.35  | 20.97 | 8.50  | 20.78 | 8.58  | 19.78 | 8.14 |
|      | -19.8             | -20.0 | 22.44                  | 8.25  | 22.09 | 8.47  | 21.75 | 8.71  | 21.58 | 8.84  | 21.41 | 8.95  | 21.06 | 9.22 |
|      | -18.8             | -19.0 | 22.56                  | 8.29  | 22.21 | 8.53  | 21.86 | 8.78  | 21.68 | 8.89  | 21.51 | 9.02  | 21.16 | 9.25 |
|      | -16.7             | -17.0 | 22.79                  | 8.42  | 22.43 | 8.63  | 22.07 | 8.87  | 21.89 | 8.98  | 21.71 | 9.10  | 21.35 | 9.34 |
|      | -13.7             | -15.0 | 23.00                  | 8.58  | 22.63 | 8.78  | 22.26 | 9.03  | 22.08 | 9.13  | 21.89 | 9.25  | 21.53 | 9.48 |
|      | -11.8             | -13.0 | 23.20                  | 8.65  | 22.82 | 8.87  | 22.44 | 9.09  | 22.26 | 9.20  | 22.07 | 9.30  | 21.69 | 9.53 |
|      | -9.8              | -11.0 | 23.38                  | 8.72  | 23.00 | 8.93  | 22.62 | 9.14  | 22.43 | 9.24  | 22.23 | 9.35  | 21.80 | 9.44 |
|      | -9.5              | -10.0 | 23.47                  | 8.70  | 23.09 | 8.91  | 22.70 | 9.12  | 22.50 | 9.23  | 22.31 | 9.31  | 21.80 | 9.22 |
|      | -8.5              | -9.1  | 23.55                  | 8.74  | 23.16 | 8.93  | 22.77 | 9.15  | 22.57 | 9.24  | 22.38 | 9.35  | 21.80 | 9.06 |
|      | -7.0              | -7.6  | 23.68                  | 8.78  | 23.28 | 8.97  | 22.89 | 9.16  | 22.69 | 9.27  | 22.49 | 9.38  | 21.80 | 8.79 |
|      | -5.0              | -5.6  | 23.41                  | 8.69  | 23.02 | 8.87  | 22.62 | 9.04  | 22.42 | 9.15  | 22.12 | 8.96  | 21.42 | 8.33 |
|      | -3.0              | -3.7  | 24.24                  | 8.85  | 23.83 | 9.03  | 23.42 | 9.22  | 23.13 | 9.05  | 22.78 | 8.82  | 22.04 | 8.15 |
|      | 0.0               | -0.7  | 26.32                  | 9.38  | 25.87 | 9.58  | 25.26 | 9.45  | 24.88 | 9.21  | 24.48 | 8.94  | 23.66 | 8.14 |
|      | 3.0               | 2.2   | 29.63                  | 10.34 | 29.03 | 10.26 | 28.15 | 9.92  | 27.70 | 9.49  | 27.24 | 9.07  | 26.26 | 8.24 |
|      | 5.0               | 4.1   | 32.37                  | 11.13 | 31.50 | 10.66 | 30.50 | 10.13 | 29.99 | 9.72  | 29.46 | 9.26  | 28.35 | 8.43 |
|      | 7.0               | 6.0   | 37.08                  | 12.28 | 35.91 | 11.60 | 34.68 | 10.87 | 33.63 | 10.23 | 33.13 | 9.76  | 31.50 | 8.83 |
|      | 9.0               | 7.9   | 37.99                  | 12.05 | 36.77 | 11.29 | 35.06 | 10.34 | 34.55 | 9.87  | 33.93 | 9.45  | 31.50 | 8.35 |
|      | 11.0              | 9.8   | 38.89                  | 11.76 | 37.62 | 10.98 | 35.99 | 9.96  | 35.34 | 9.50  | 34.65 | 9.07  | 31.50 | 7.80 |
|      | 13.0              | 11.8  | 39.77                  | 11.43 | 37.98 | 10.47 | 36.77 | 9.57  | 36.24 | 9.19  | 34.65 | 8.51  | 31.50 | 7.27 |
|      | 15.0              | 13.7  | 40.63                  | 11.08 | 38.93 | 10.06 | 37.79 | 9.23  | 36.24 | 8.66  | 34.65 | 7.96  | 31.50 | 6.71 |
|      | 18.0              | 16.6  | 41.46                  | 9.74  | 40.24 | 9.04  | 37.79 | 8.09  | 36.24 | 7.54  | 34.65 | 7.02  | 31.50 | 6.15 |
|      | 21.0              | 19.5  | 42.70                  | 9.42  | 40.96 | 8.50  | 37.79 | 7.37  | 36.24 | 6.87  | 34.65 | 6.41  | 31.50 | 5.68 |
|      | 24.0              | 22.4  | 44.11                  | 9.01  | 40.96 | 7.80  | 37.79 | 6.67  | 36.24 | 6.25  | 34.65 | 5.84  | 31.50 | 5.18 |
|      | 27.0              | 25.3  | 44.11                  | 8.34  | 40.96 | 7.12  | 37.79 | 6.05  | 36.24 | 5.68  | 34.65 | 5.36  | 31.50 | 4.70 |
|      | 30.0              | 28.1  | 44.11                  | 7.71  | 40.96 | 6.50  | 37.79 | 5.48  | 36.24 | 5.16  | 34.65 | 4.92  | 31.50 | 4.27 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

## V8 PRO VRF 50Hz



Table2-8.15:10HP heating capacity(continued)

| CR   | Outdoor air temp. |       | Indoor air temp. °C DB |       |       |       |       |      |       |      |       |      |       |      |
|------|-------------------|-------|------------------------|-------|-------|-------|-------|------|-------|------|-------|------|-------|------|
|      |                   |       | 16.0                   |       | 18.0  |       | 20.0  |      | 21.0  |      | 22.0  |      | 24.0  |      |
|      | °C DB             | °C WB | TC                     | PI    | TC    | PI    | TC    | PI   | TC    | PI   | TC    | PI   | TC    | PI   |
| 110% | -30.0             | -30.5 | 20.04                  | 7.24  | 19.65 | 7.51  | 19.42 | 7.85 | 19.07 | 7.76 | 18.88 | 7.44 | 18.50 | 7.07 |
|      | -25.0             | -25.4 | 20.83                  | 7.72  | 20.52 | 7.99  | 20.22 | 8.28 | 19.97 | 8.29 | 19.62 | 8.11 | 18.72 | 7.80 |
|      | -19.8             | -20.0 | 21.44                  | 8.16  | 21.11 | 8.38  | 20.78 | 8.62 | 20.61 | 8.73 | 20.45 | 8.88 | 20.12 | 9.12 |
|      | -18.8             | -19.0 | 21.54                  | 8.22  | 21.21 | 8.44  | 20.87 | 8.67 | 20.70 | 8.80 | 20.54 | 8.93 | 20.20 | 9.16 |
|      | -16.7             | -17.0 | 21.74                  | 8.33  | 21.40 | 8.57  | 21.05 | 8.78 | 20.88 | 8.92 | 20.71 | 9.02 | 20.36 | 9.24 |
|      | -13.7             | -15.0 | 21.93                  | 8.49  | 21.58 | 8.71  | 21.23 | 8.93 | 21.05 | 9.05 | 20.87 | 9.16 | 20.49 | 9.33 |
|      | -11.8             | -13.0 | 22.11                  | 8.57  | 21.75 | 8.79  | 21.39 | 8.99 | 21.21 | 9.09 | 21.03 | 9.21 | 20.49 | 9.08 |
|      | -9.8              | -11.0 | 22.28                  | 8.64  | 21.91 | 8.86  | 21.54 | 9.04 | 21.36 | 9.15 | 21.18 | 9.27 | 20.49 | 8.81 |
|      | -9.5              | -10.0 | 22.36                  | 8.62  | 21.99 | 8.83  | 21.62 | 9.03 | 21.43 | 9.13 | 21.18 | 9.04 | 20.49 | 8.50 |
|      | -8.5              | -9.1  | 22.43                  | 8.66  | 22.06 | 8.85  | 21.68 | 9.06 | 21.49 | 9.15 | 21.18 | 8.90 | 20.49 | 8.25 |
|      | -7.0              | -7.6  | 22.54                  | 8.72  | 22.17 | 8.90  | 21.78 | 9.11 | 21.51 | 8.93 | 21.18 | 8.63 | 20.49 | 7.97 |
|      | -5.0              | -5.6  | 22.28                  | 8.59  | 21.90 | 8.79  | 21.44 | 8.71 | 21.12 | 8.52 | 20.80 | 8.20 | 20.13 | 7.51 |
|      | -3.0              | -3.7  | 23.07                  | 8.77  | 22.67 | 8.97  | 22.08 | 8.58 | 21.75 | 8.35 | 21.41 | 8.02 | 20.71 | 7.30 |
|      | 0.0               | -0.7  | 25.04                  | 9.34  | 24.45 | 9.21  | 23.74 | 8.73 | 23.38 | 8.39 | 23.00 | 8.02 | 22.22 | 7.34 |
|      | 3.0               | 2.2   | 28.08                  | 9.96  | 27.28 | 9.66  | 26.44 | 8.90 | 26.01 | 8.51 | 25.57 | 8.14 | 24.64 | 7.51 |
|      | 5.0               | 4.1   | 30.48                  | 10.32 | 29.57 | 9.87  | 28.63 | 9.07 | 28.14 | 8.68 | 27.63 | 8.29 | 26.57 | 7.64 |
|      | 7.0               | 6.0   | 34.78                  | 11.26 | 33.67 | 10.58 | 32.10 | 9.54 | 31.63 | 9.18 | 31.06 | 8.81 | 28.87 | 7.78 |
|      | 9.0               | 7.9   | 35.63                  | 10.97 | 34.47 | 10.18 | 32.98 | 9.23 | 32.38 | 8.89 | 31.76 | 8.50 | 28.87 | 7.27 |
|      | 11.0              | 9.8   | 36.46                  | 10.64 | 34.82 | 9.68  | 33.72 | 8.94 | 33.20 | 8.60 | 31.76 | 7.94 | 28.87 | 6.75 |
|      | 13.0              | 11.8  | 37.28                  | 10.28 | 35.72 | 9.32  | 34.65 | 8.63 | 33.20 | 8.05 | 31.76 | 7.43 | 28.87 | 6.38 |
|      | 15.0              | 13.7  | 37.62                  | 9.71  | 36.46 | 8.96  | 34.65 | 8.06 | 33.20 | 7.49 | 31.76 | 6.84 | 28.87 | 6.04 |
|      | 18.0              | 16.6  | 38.76                  | 8.67  | 37.53 | 8.03  | 34.65 | 7.07 | 33.20 | 6.61 | 31.76 | 6.27 | 28.87 | 5.57 |
|      | 21.0              | 19.5  | 40.34                  | 8.35  | 37.53 | 7.37  | 34.65 | 6.45 | 33.20 | 6.08 | 31.76 | 5.76 | 28.87 | 5.11 |
|      | 24.0              | 22.4  | 40.43                  | 7.69  | 37.53 | 6.66  | 34.65 | 5.88 | 33.20 | 5.57 | 31.76 | 5.25 | 28.87 | 4.69 |
|      | 27.0              | 25.3  | 40.43                  | 6.98  | 37.53 | 6.05  | 34.65 | 5.37 | 33.20 | 5.06 | 31.76 | 4.78 | 28.87 | 4.24 |
|      | 30.0              | 28.1  | 40.43                  | 6.33  | 37.53 | 5.50  | 34.65 | 4.91 | 33.20 | 4.59 | 31.76 | 4.35 | 28.87 | 3.83 |
| 100% | -30.0             | -30.5 | 19.92                  | 7.56  | 19.54 | 7.76  | 19.15 | 7.67 | 18.96 | 7.34 | 18.77 | 7.15 | 18.39 | 6.67 |
|      | -25.0             | -25.4 | 20.71                  | 8.04  | 20.41 | 8.28  | 19.91 | 8.29 | 19.55 | 8.10 | 18.99 | 7.89 | 18.39 | 7.62 |
|      | -19.8             | -20.0 | 21.31                  | 8.45  | 20.98 | 8.70  | 20.66 | 8.94 | 20.49 | 9.07 | 20.33 | 9.20 | 20.00 | 9.47 |
|      | -18.8             | -19.0 | 21.41                  | 8.52  | 21.08 | 8.76  | 20.75 | 9.00 | 20.58 | 9.13 | 20.42 | 9.25 | 20.04 | 9.41 |
|      | -16.7             | -17.0 | 21.61                  | 8.66  | 21.27 | 8.89  | 20.93 | 9.11 | 20.76 | 9.24 | 20.59 | 9.36 | 20.04 | 9.18 |
|      | -13.7             | -15.0 | 21.80                  | 8.82  | 21.45 | 9.04  | 21.10 | 9.27 | 20.93 | 9.39 | 20.74 | 9.51 | 20.04 | 9.00 |
|      | -11.8             | -13.0 | 21.98                  | 8.90  | 21.62 | 9.13  | 21.26 | 9.34 | 21.08 | 9.44 | 20.74 | 9.26 | 20.04 | 8.71 |
|      | -9.8              | -11.0 | 22.14                  | 8.99  | 21.78 | 9.22  | 21.40 | 9.39 | 21.08 | 9.21 | 20.74 | 9.00 | 20.04 | 8.43 |
|      | -9.5              | -10.0 | 22.22                  | 8.98  | 21.85 | 9.18  | 21.40 | 9.16 | 21.08 | 8.89 | 20.74 | 8.68 | 20.04 | 8.10 |
|      | -8.5              | -9.1  | 22.29                  | 9.04  | 21.92 | 9.23  | 21.40 | 9.01 | 21.08 | 8.71 | 20.74 | 8.43 | 20.04 | 7.83 |
|      | -7.0              | -7.6  | 22.40                  | 9.06  | 22.03 | 9.28  | 21.40 | 8.76 | 21.08 | 8.43 | 20.74 | 8.14 | 20.04 | 7.51 |
|      | -5.0              | -5.6  | 22.14                  | 8.97  | 21.65 | 8.87  | 21.03 | 8.32 | 20.71 | 7.98 | 20.38 | 7.69 | 19.70 | 7.09 |
|      | -3.0              | -3.7  | 22.91                  | 9.14  | 22.29 | 8.75  | 21.64 | 8.17 | 21.31 | 7.79 | 20.96 | 7.48 | 20.25 | 6.91 |
|      | 0.0               | -0.7  | 24.65                  | 9.33  | 23.96 | 8.80  | 23.24 | 8.13 | 22.87 | 7.81 | 22.48 | 7.50 | 21.69 | 6.91 |
|      | 3.0               | 2.2   | 27.47                  | 9.66  | 26.66 | 8.96  | 25.81 | 8.23 | 25.38 | 7.93 | 24.92 | 7.66 | 23.97 | 7.07 |
|      | 5.0               | 4.1   | 29.76                  | 9.87  | 28.84 | 9.11  | 27.88 | 8.41 | 27.39 | 8.10 | 26.49 | 7.70 | 25.58 | 7.10 |
|      | 7.0               | 6.0   | 33.83                  | 10.55 | 32.41 | 9.64  | 31.50 | 8.97 | 30.21 | 8.46 | 28.87 | 7.89 | 26.25 | 6.80 |
|      | 9.0               | 7.9   | 34.22                  | 10.04 | 33.16 | 9.29  | 31.50 | 8.47 | 30.21 | 7.93 | 28.87 | 7.37 | 26.25 | 6.38 |
|      | 11.0              | 9.8   | 35.13                  | 9.70  | 34.12 | 9.04  | 31.50 | 7.94 | 30.21 | 7.41 | 28.87 | 6.84 | 26.25 | 6.04 |
|      | 13.0              | 11.8  | 35.90                  | 9.31  | 34.12 | 8.50  | 31.50 | 7.41 | 30.21 | 6.84 | 28.87 | 6.41 | 26.25 | 5.73 |
|      | 15.0              | 13.7  | 36.76                  | 8.99  | 34.12 | 7.94  | 31.50 | 6.82 | 30.21 | 6.41 | 28.87 | 6.08 | 26.25 | 5.43 |
|      | 18.0              | 16.6  | 36.76                  | 7.80  | 34.12 | 6.96  | 31.50 | 6.21 | 30.21 | 5.92 | 28.87 | 5.59 | 26.25 | 5.00 |
|      | 21.0              | 19.5  | 36.76                  | 7.12  | 34.12 | 6.33  | 31.50 | 5.73 | 30.21 | 5.43 | 28.87 | 5.16 | 26.25 | 4.59 |
|      | 24.0              | 22.4  | 36.76                  | 6.45  | 34.12 | 5.78  | 31.50 | 5.24 | 30.21 | 4.96 | 28.87 | 4.70 | 26.25 | 4.18 |
|      | 27.0              | 25.3  | 36.76                  | 5.84  | 34.12 | 5.27  | 31.50 | 4.75 | 30.21 | 4.49 | 28.87 | 4.28 | 26.25 | 3.77 |
|      | 30.0              | 28.1  | 36.76                  | 5.29  | 34.12 | 4.80  | 31.50 | 4.31 | 30.21 | 4.06 | 28.87 | 3.89 | 26.25 | 3.40 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.15:10HP heating capacity(continued)

| CR  | Outdoor air temp. |       | Indoor air temp. °C DB |      |       |      |       |      |       |      |       |      |       |      |
|-----|-------------------|-------|------------------------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
|     |                   |       | 16.0                   |      | 18.0  |      | 20.0  |      | 21.0  |      | 22.0  |      | 24.0  |      |
|     | °C DB             | °C WB | TC                     | PI   | TC    | PI   | TC    | PI   | TC    | PI   | TC    | PI   | TC    | PI   |
| 90% | -30.0             | -30.5 | 18.54                  | 7.33 | 17.77 | 7.10 | 17.24 | 6.58 | 17.06 | 6.34 | 16.89 | 6.16 | 16.55 | 6.16 |
|     | -25.0             | -25.4 | 19.09                  | 7.75 | 18.67 | 7.78 | 18.09 | 7.54 | 17.78 | 7.40 | 17.46 | 7.27 | 16.69 | 6.94 |
|     | -19.8             | -20.0 | 19.57                  | 8.16 | 19.26 | 8.38 | 18.96 | 8.63 | 18.81 | 8.77 | 18.65 | 8.88 | 18.04 | 8.38 |
|     | -18.8             | -19.0 | 19.65                  | 8.22 | 19.34 | 8.46 | 19.03 | 8.69 | 18.88 | 8.81 | 18.66 | 8.79 | 18.04 | 8.23 |
|     | -16.7             | -17.0 | 19.81                  | 8.34 | 19.50 | 8.57 | 19.18 | 8.79 | 18.97 | 8.76 | 18.66 | 8.57 | 18.04 | 8.02 |
|     | -13.7             | -15.0 | 19.96                  | 8.51 | 19.64 | 8.73 | 19.26 | 8.81 | 18.97 | 8.65 | 18.66 | 8.39 | 18.04 | 7.83 |
|     | -11.8             | -13.0 | 20.11                  | 8.60 | 19.78 | 8.81 | 19.26 | 8.54 | 18.97 | 8.40 | 18.66 | 8.14 | 18.04 | 7.55 |
|     | -9.8              | -11.0 | 20.24                  | 8.66 | 19.84 | 8.67 | 19.26 | 8.31 | 18.97 | 8.14 | 18.66 | 7.86 | 18.04 | 7.23 |
|     | -9.5              | -10.0 | 20.31                  | 8.68 | 19.84 | 8.45 | 19.26 | 8.01 | 18.97 | 7.84 | 18.66 | 7.55 | 18.04 | 6.93 |
|     | -8.5              | -9.1  | 20.36                  | 8.71 | 19.84 | 8.29 | 19.26 | 7.79 | 18.97 | 7.57 | 18.66 | 7.29 | 18.04 | 6.80 |
|     | -7.0              | -7.6  | 20.39                  | 8.55 | 19.84 | 8.05 | 19.26 | 7.53 | 18.97 | 7.30 | 18.66 | 7.00 | 18.04 | 6.58 |
|     | -5.0              | -5.6  | 20.02                  | 8.15 | 19.48 | 7.61 | 18.92 | 7.10 | 18.64 | 6.85 | 18.34 | 6.62 | 17.73 | 6.19 |
|     | -3.0              | -3.7  | 20.62                  | 8.03 | 20.06 | 7.45 | 19.48 | 6.90 | 19.18 | 6.69 | 18.87 | 6.43 | 18.23 | 6.01 |
|     | 0.0               | -0.7  | 22.18                  | 8.05 | 21.56 | 7.51 | 20.91 | 6.95 | 20.58 | 6.75 | 20.23 | 6.43 | 19.52 | 6.00 |
|     | 3.0               | 2.2   | 24.72                  | 8.20 | 23.99 | 7.61 | 23.23 | 7.14 | 22.84 | 6.90 | 22.43 | 6.64 | 21.58 | 6.13 |
|     | 5.0               | 4.1   | 26.78                  | 8.34 | 25.96 | 7.80 | 25.09 | 7.25 | 24.64 | 7.01 | 23.84 | 6.62 | 23.02 | 6.13 |
|     | 7.0               | 6.0   | 30.45                  | 8.93 | 29.17 | 8.25 | 28.35 | 7.69 | 27.17 | 7.21 | 25.98 | 6.71 | 23.63 | 5.97 |
|     | 9.0               | 7.9   | 30.79                  | 8.55 | 29.84 | 7.93 | 28.35 | 7.16 | 27.17 | 6.71 | 25.98 | 6.30 | 23.63 | 5.63 |
|     | 11.0              | 9.8   | 31.61                  | 8.27 | 30.72 | 7.62 | 28.35 | 6.66 | 27.17 | 6.30 | 25.98 | 6.00 | 23.63 | 5.36 |
|     | 13.0              | 11.8  | 32.31                  | 7.87 | 30.72 | 7.07 | 28.35 | 6.29 | 27.17 | 5.98 | 25.98 | 5.68 | 23.63 | 5.11 |
| 80% | 15.0              | 13.7  | 33.08                  | 7.49 | 30.72 | 6.59 | 28.35 | 5.98 | 27.17 | 5.68 | 25.98 | 5.40 | 23.63 | 4.86 |
|     | 18.0              | 16.6  | 33.08                  | 6.66 | 30.72 | 6.08 | 28.35 | 5.51 | 27.17 | 5.24 | 25.98 | 4.96 | 23.63 | 4.49 |
|     | 21.0              | 19.5  | 33.08                  | 6.13 | 30.72 | 5.57 | 28.35 | 5.06 | 27.17 | 4.80 | 25.98 | 4.55 | 23.63 | 4.08 |
|     | 24.0              | 22.4  | 33.08                  | 5.59 | 30.72 | 5.07 | 28.35 | 4.61 | 27.17 | 4.39 | 25.98 | 4.18 | 23.63 | 3.72 |
|     | 27.0              | 25.3  | 33.08                  | 5.07 | 30.72 | 4.63 | 28.35 | 4.18 | 27.17 | 3.96 | 25.98 | 3.75 | 23.63 | 3.28 |
|     | 30.0              | 28.1  | 33.08                  | 4.60 | 30.72 | 4.23 | 28.35 | 3.80 | 27.17 | 3.56 | 25.98 | 3.35 | 23.63 | 2.90 |
|     | -30.0             | -30.5 | 16.62                  | 6.59 | 15.63 | 5.86 | 15.32 | 5.59 | 15.17 | 5.59 | 15.02 | 5.61 | 14.71 | 5.80 |
|     | -25.0             | -25.4 | 17.23                  | 7.23 | 16.72 | 6.97 | 16.21 | 6.75 | 15.96 | 6.64 | 15.70 | 6.54 | 14.92 | 6.28 |
|     | -19.8             | -20.0 | 17.75                  | 7.87 | 17.47 | 8.11 | 17.12 | 8.14 | 16.86 | 7.93 | 16.59 | 7.70 | 16.03 | 7.21 |
|     | -18.8             | -19.0 | 17.82                  | 7.93 | 17.53 | 8.15 | 17.12 | 8.01 | 16.86 | 7.81 | 16.59 | 7.57 | 16.03 | 7.08 |
|     | -16.7             | -17.0 | 17.94                  | 8.04 | 17.63 | 8.22 | 17.12 | 7.80 | 16.86 | 7.57 | 16.59 | 7.33 | 16.03 | 6.82 |
|     | -13.7             | -15.0 | 18.06                  | 8.20 | 17.63 | 8.09 | 17.12 | 7.64 | 16.86 | 7.41 | 16.59 | 7.15 | 16.03 | 6.65 |
|     | -11.8             | -13.0 | 18.12                  | 8.12 | 17.63 | 7.86 | 17.12 | 7.40 | 16.86 | 7.15 | 16.59 | 6.87 | 16.03 | 6.41 |
|     | -9.8              | -11.0 | 18.12                  | 7.91 | 17.63 | 7.62 | 17.12 | 7.14 | 16.86 | 6.87 | 16.59 | 6.60 | 16.03 | 6.14 |
|     | -9.5              | -10.0 | 18.12                  | 7.65 | 17.63 | 7.35 | 17.12 | 6.83 | 16.86 | 6.58 | 16.59 | 6.34 | 16.03 | 6.01 |
|     | -8.5              | -9.1  | 18.12                  | 7.48 | 17.63 | 7.09 | 17.12 | 6.59 | 16.86 | 6.41 | 16.59 | 6.24 | 16.03 | 5.88 |
|     | -7.0              | -7.6  | 18.12                  | 7.25 | 17.63 | 6.82 | 17.12 | 6.40 | 16.86 | 6.23 | 16.59 | 6.04 | 16.03 | 5.70 |
|     | -5.0              | -5.6  | 17.80                  | 6.89 | 17.32 | 6.44 | 16.82 | 6.01 | 16.56 | 5.87 | 16.30 | 5.69 | 15.76 | 5.34 |
|     | -3.0              | -3.7  | 18.33                  | 6.71 | 17.83 | 6.26 | 17.31 | 5.87 | 17.04 | 5.69 | 16.77 | 5.54 | 16.20 | 5.20 |
|     | 0.0               | -0.7  | 19.72                  | 6.74 | 19.16 | 6.31 | 18.59 | 5.86 | 18.29 | 5.67 | 17.99 | 5.50 | 17.35 | 5.16 |
|     | 3.0               | 2.2   | 21.98                  | 6.90 | 21.33 | 6.49 | 20.65 | 6.07 | 20.30 | 5.85 | 19.93 | 5.65 | 19.18 | 5.30 |
|     | 5.0               | 4.1   | 23.81                  | 7.08 | 23.07 | 6.58 | 22.31 | 6.10 | 21.90 | 5.89 | 21.19 | 5.64 | 20.47 | 5.38 |
|     | 7.0               | 6.0   | 27.06                  | 7.58 | 25.93 | 6.90 | 25.20 | 6.44 | 24.15 | 6.14 | 23.09 | 5.82 | 21.01 | 5.22 |
|     | 9.0               | 7.9   | 27.37                  | 7.17 | 26.53 | 6.56 | 25.21 | 6.13 | 24.15 | 5.78 | 23.09 | 5.52 | 21.01 | 4.94 |
|     | 11.0              | 9.8   | 28.10                  | 6.84 | 27.30 | 6.39 | 25.21 | 5.82 | 24.15 | 5.53 | 23.09 | 5.24 | 21.01 | 4.69 |
|     | 13.0              | 11.8  | 28.72                  | 6.45 | 27.30 | 6.04 | 25.21 | 5.52 | 24.15 | 5.25 | 23.09 | 4.95 | 21.01 | 4.45 |
|     | 15.0              | 13.7  | 29.40                  | 6.25 | 27.30 | 5.73 | 25.21 | 5.24 | 24.15 | 4.99 | 23.09 | 4.75 | 21.01 | 4.22 |
|     | 18.0              | 16.6  | 29.40                  | 5.78 | 27.30 | 5.27 | 25.21 | 4.83 | 24.15 | 4.59 | 23.09 | 4.39 | 21.01 | 3.88 |
|     | 21.0              | 19.5  | 29.40                  | 5.31 | 27.30 | 4.83 | 25.21 | 4.43 | 24.15 | 4.22 | 23.09 | 4.02 | 21.01 | 3.57 |
|     | 24.0              | 22.4  | 29.40                  | 4.83 | 27.30 | 4.45 | 25.21 | 4.02 | 24.15 | 3.83 | 23.09 | 3.65 | 21.01 | 3.30 |
|     | 27.0              | 25.3  | 29.40                  | 4.39 | 27.30 | 3.98 | 25.21 | 3.63 | 24.15 | 3.44 | 23.09 | 3.22 | 21.01 | 2.82 |
|     | 30.0              | 28.1  | 29.40                  | 4.00 | 27.30 | 3.57 | 25.21 | 3.27 | 24.15 | 3.10 | 23.09 | 2.83 | 21.01 | 2.41 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

## V8 PRO VRF 50Hz



Table2-8.15:10HP heating capacity(continued)

| CR  | Outdoor air temp. |       | Indoor air temp. °C DB |      |       |      |       |      |       |      |       |      |       |      |
|-----|-------------------|-------|------------------------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
|     |                   |       | 16.0                   |      | 18.0  |      | 20.0  |      | 21.0  |      | 22.0  |      | 24.0  |      |
|     | °C DB             | °C WB | TC                     | PI   | TC    | PI   | TC    | PI   | TC    | PI   | TC    | PI   | TC    | PI   |
| 70% | -30.0             | -30.5 | 14.37                  | 5.31 | 13.81 | 5.22 | 13.41 | 5.02 | 13.27 | 5.09 | 13.14 | 5.29 | 12.87 | 5.53 |
|     | -25.0             | -25.4 | 15.20                  | 6.40 | 14.78 | 6.23 | 14.31 | 5.94 | 14.11 | 5.89 | 13.89 | 5.90 | 13.38 | 5.81 |
|     | -19.8             | -20.0 | 15.85                  | 7.60 | 15.43 | 7.25 | 14.98 | 6.90 | 14.75 | 6.69 | 14.52 | 6.49 | 14.03 | 6.15 |
|     | -18.8             | -19.0 | 15.86                  | 7.50 | 15.43 | 7.14 | 14.98 | 6.76 | 14.75 | 6.58 | 14.52 | 6.40 | 14.03 | 6.09 |
|     | -16.7             | -17.0 | 15.86                  | 7.34 | 15.43 | 6.95 | 14.98 | 6.57 | 14.75 | 6.37 | 14.52 | 6.18 | 14.03 | 5.90 |
|     | -13.7             | -15.0 | 15.86                  | 7.20 | 15.43 | 6.77 | 14.98 | 6.38 | 14.75 | 6.16 | 14.52 | 6.01 | 14.03 | 5.72 |
|     | -11.8             | -13.0 | 15.86                  | 6.99 | 15.43 | 6.55 | 14.98 | 6.13 | 14.75 | 5.93 | 14.52 | 5.78 | 14.03 | 5.49 |
|     | -9.8              | -11.0 | 15.86                  | 6.77 | 15.43 | 6.29 | 14.98 | 5.89 | 14.75 | 5.70 | 14.52 | 5.55 | 14.03 | 5.27 |
|     | -9.5              | -10.0 | 15.86                  | 6.48 | 15.43 | 6.00 | 14.98 | 5.70 | 14.75 | 5.55 | 14.52 | 5.40 | 14.03 | 5.11 |
|     | -8.5              | -9.1  | 15.86                  | 6.24 | 15.43 | 5.89 | 14.98 | 5.59 | 14.75 | 5.44 | 14.52 | 5.32 | 14.03 | 5.00 |
|     | -7.0              | -7.6  | 15.86                  | 5.98 | 15.43 | 5.69 | 14.98 | 5.42 | 14.75 | 5.27 | 14.52 | 5.12 | 14.03 | 4.83 |
|     | -5.0              | -5.6  | 15.57                  | 5.64 | 15.15 | 5.36 | 14.72 | 5.10 | 14.49 | 4.95 | 14.27 | 4.81 | 13.79 | 4.60 |
|     | -3.0              | -3.7  | 16.04                  | 5.50 | 15.60 | 5.22 | 15.15 | 4.94 | 14.91 | 4.80 | 14.68 | 4.68 | 14.17 | 4.50 |
|     | 0.0               | -0.7  | 17.25                  | 5.54 | 16.77 | 5.25 | 16.27 | 4.88 | 16.01 | 4.79 | 15.74 | 4.70 | 15.18 | 4.48 |
|     | 3.0               | 2.2   | 19.23                  | 5.76 | 18.66 | 5.41 | 18.07 | 5.07 | 17.76 | 4.94 | 17.45 | 4.82 | 16.78 | 4.62 |
|     | 5.0               | 4.1   | 20.83                  | 5.84 | 20.19 | 5.46 | 19.52 | 5.15 | 19.17 | 5.05 | 18.54 | 4.88 | 17.91 | 4.68 |
|     | 7.0               | 6.0   | 23.68                  | 6.17 | 22.69 | 5.77 | 22.05 | 5.56 | 21.13 | 5.35 | 20.22 | 5.02 | 18.37 | 4.49 |
|     | 9.0               | 7.9   | 23.95                  | 5.85 | 23.21 | 5.59 | 22.05 | 5.25 | 21.13 | 4.96 | 20.22 | 4.75 | 18.37 | 4.28 |
|     | 11.0              | 9.8   | 24.59                  | 5.72 | 23.90 | 5.51 | 22.05 | 4.96 | 21.13 | 4.74 | 20.22 | 4.49 | 18.37 | 4.02 |
|     | 13.0              | 11.8  | 25.13                  | 5.55 | 23.90 | 5.22 | 22.05 | 4.75 | 21.13 | 4.49 | 20.22 | 4.28 | 18.37 | 3.83 |
| 60% | 15.0              | 13.7  | 25.72                  | 5.37 | 23.90 | 4.95 | 22.05 | 4.49 | 21.13 | 4.28 | 20.22 | 4.04 | 18.37 | 3.61 |
|     | 18.0              | 16.6  | 25.72                  | 4.95 | 23.90 | 4.54 | 22.05 | 4.14 | 21.13 | 3.96 | 20.22 | 3.75 | 18.37 | 3.31 |
|     | 21.0              | 19.5  | 25.72                  | 4.53 | 23.90 | 4.18 | 22.05 | 3.83 | 21.13 | 3.60 | 20.22 | 3.42 | 18.37 | 3.03 |
|     | 24.0              | 22.4  | 25.72                  | 4.13 | 23.90 | 3.77 | 22.05 | 3.47 | 21.13 | 3.30 | 20.22 | 3.10 | 18.37 | 2.73 |
|     | 27.0              | 25.3  | 25.72                  | 3.75 | 23.90 | 3.42 | 22.05 | 3.03 | 21.13 | 2.85 | 20.22 | 2.69 | 18.37 | 2.49 |
|     | 30.0              | 28.1  | 25.72                  | 3.40 | 23.90 | 3.09 | 22.05 | 2.65 | 21.13 | 2.46 | 20.22 | 2.33 | 18.37 | 2.27 |
|     | -30.0             | -30.5 | 12.58                  | 4.80 | 12.22 | 4.75 | 11.86 | 4.96 | 11.53 | 4.91 | 11.37 | 4.92 | 11.03 | 5.08 |
|     | -25.0             | -25.4 | 13.14                  | 5.51 | 12.77 | 5.35 | 12.40 | 5.32 | 12.21 | 5.29 | 12.00 | 5.24 | 11.59 | 5.22 |
|     | -19.8             | -20.0 | 13.59                  | 6.27 | 13.22 | 5.96 | 12.84 | 5.67 | 12.65 | 5.57 | 12.44 | 5.48 | 12.02 | 5.29 |
|     | -18.8             | -19.0 | 13.59                  | 6.16 | 13.22 | 5.85 | 12.84 | 5.59 | 12.65 | 5.51 | 12.44 | 5.41 | 12.02 | 5.21 |
|     | -16.7             | -17.0 | 13.59                  | 5.96 | 13.22 | 5.67 | 12.84 | 5.43 | 12.65 | 5.33 | 12.44 | 5.22 | 12.02 | 5.00 |
|     | -13.7             | -15.0 | 13.59                  | 5.79 | 13.22 | 5.50 | 12.84 | 5.29 | 12.65 | 5.18 | 12.44 | 5.07 | 12.02 | 4.81 |
|     | -11.8             | -13.0 | 13.59                  | 5.56 | 13.22 | 5.30 | 12.84 | 5.07 | 12.65 | 4.97 | 12.44 | 4.85 | 12.02 | 4.60 |
|     | -9.8              | -11.0 | 13.59                  | 5.34 | 13.22 | 5.09 | 12.84 | 4.87 | 12.65 | 4.75 | 12.44 | 4.63 | 12.02 | 4.44 |
|     | -9.5              | -10.0 | 13.59                  | 5.18 | 13.22 | 4.97 | 12.84 | 4.73 | 12.65 | 4.60 | 12.44 | 4.49 | 12.02 | 4.34 |
|     | -8.5              | -9.1  | 13.59                  | 5.09 | 13.22 | 4.86 | 12.84 | 4.63 | 12.65 | 4.51 | 12.44 | 4.41 | 12.02 | 4.30 |
|     | -7.0              | -7.6  | 13.59                  | 4.93 | 13.22 | 4.70 | 12.84 | 4.48 | 12.65 | 4.38 | 12.44 | 4.31 | 12.02 | 4.18 |
|     | -5.0              | -5.6  | 13.35                  | 4.62 | 12.99 | 4.42 | 12.62 | 4.22 | 12.42 | 4.17 | 12.23 | 4.08 | 11.82 | 3.95 |
|     | -3.0              | -3.7  | 13.75                  | 4.50 | 13.37 | 4.28 | 12.98 | 4.16 | 12.78 | 4.08 | 12.58 | 4.02 | 12.15 | 3.89 |
|     | 0.0               | -0.7  | 14.79                  | 4.50 | 14.37 | 4.32 | 13.94 | 4.16 | 13.72 | 4.08 | 13.49 | 4.02 | 13.01 | 3.87 |
|     | 3.0               | 2.2   | 16.48                  | 4.67 | 16.00 | 4.45 | 15.49 | 4.29 | 15.23 | 4.22 | 14.95 | 4.13 | 14.38 | 3.99 |
|     | 5.0               | 4.1   | 17.86                  | 4.74 | 17.30 | 4.58 | 16.73 | 4.41 | 16.43 | 4.33 | 15.89 | 4.20 | 15.35 | 4.06 |
|     | 7.0               | 6.0   | 20.30                  | 5.13 | 19.45 | 4.85 | 18.90 | 4.65 | 18.12 | 4.43 | 17.33 | 4.20 | 15.74 | 3.78 |
|     | 9.0               | 7.9   | 20.53                  | 4.89 | 19.89 | 4.67 | 18.90 | 4.43 | 18.12 | 4.20 | 17.33 | 4.01 | 15.74 | 3.60 |
|     | 11.0              | 9.8   | 21.08                  | 4.76 | 20.48 | 4.60 | 18.90 | 4.18 | 18.12 | 3.99 | 17.33 | 3.79 | 15.74 | 3.42 |
|     | 13.0              | 11.8  | 21.54                  | 4.65 | 20.48 | 4.34 | 18.90 | 3.95 | 18.12 | 3.78 | 17.33 | 3.60 | 15.74 | 3.25 |
|     | 15.0              | 13.7  | 22.05                  | 4.51 | 20.48 | 4.11 | 18.90 | 3.75 | 18.12 | 3.57 | 17.33 | 3.42 | 15.74 | 3.08 |
|     | 18.0              | 16.6  | 22.05                  | 4.20 | 20.48 | 3.78 | 18.90 | 3.46 | 18.12 | 3.28 | 17.33 | 3.23 | 15.74 | 2.89 |
|     | 21.0              | 19.5  | 22.05                  | 3.83 | 20.48 | 3.49 | 18.90 | 3.15 | 18.12 | 2.99 | 17.33 | 2.83 | 15.74 | 2.55 |
|     | 24.0              | 22.4  | 22.05                  | 3.48 | 20.48 | 3.16 | 18.90 | 2.83 | 18.12 | 2.70 | 17.33 | 2.53 | 15.74 | 2.42 |
|     | 27.0              | 25.3  | 22.05                  | 3.03 | 20.48 | 2.74 | 18.90 | 2.46 | 18.12 | 2.45 | 17.33 | 2.30 | 15.74 | 2.01 |
|     | 30.0              | 28.1  | 22.05                  | 2.64 | 20.48 | 2.37 | 18.90 | 2.14 | 18.12 | 2.22 | 17.33 | 2.10 | 15.74 | 1.67 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.15:10HP heating capacity(continued)

| CR  | Outdoor air temp. |       | Indoor air temp. °C DB |      |       |      |       |      |       |      |       |      |       |      |
|-----|-------------------|-------|------------------------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
|     |                   |       | 16.0                   |      | 18.0  |      | 20.0  |      | 21.0  |      | 22.0  |      | 24.0  |      |
|     |                   |       | TC                     | PI   | TC    | PI   | TC    | PI   | TC    | PI   | TC    | PI   | TC    | PI   |
| 50% | °C DB             | °C WB | kW                     | kW   | kW    | kW   | kW    | kW   | kW    | kW   | kW    | kW   | kW    | kW   |
|     | -30.0             | -30.5 | 10.70                  | 4.47 | 10.42 | 4.53 | 10.12 | 4.58 | 9.96  | 4.62 | 9.80  | 4.68 | 9.49  | 4.76 |
|     | -25.0             | -25.4 | 11.04                  | 4.75 | 10.74 | 4.72 | 10.43 | 4.67 | 10.27 | 4.65 | 10.11 | 4.65 | 9.77  | 4.60 |
|     | -19.8             | -20.0 | 11.33                  | 5.01 | 11.02 | 4.88 | 10.70 | 4.74 | 10.54 | 4.67 | 10.37 | 4.59 | 10.02 | 4.43 |
|     | -18.8             | -19.0 | 11.33                  | 4.95 | 11.02 | 4.81 | 10.70 | 4.65 | 10.54 | 4.58 | 10.37 | 4.50 | 10.02 | 4.34 |
|     | -16.7             | -17.0 | 11.33                  | 4.79 | 11.02 | 4.64 | 10.70 | 4.48 | 10.54 | 4.38 | 10.37 | 4.30 | 10.02 | 4.14 |
|     | -13.7             | -15.0 | 11.33                  | 4.66 | 11.02 | 4.48 | 10.70 | 4.32 | 10.54 | 4.22 | 10.37 | 4.14 | 10.02 | 4.07 |
|     | -11.8             | -13.0 | 11.33                  | 4.47 | 11.02 | 4.30 | 10.70 | 4.11 | 10.54 | 4.04 | 10.37 | 3.99 | 10.02 | 3.92 |
|     | -9.8              | -11.0 | 11.33                  | 4.28 | 11.02 | 4.09 | 10.70 | 3.96 | 10.54 | 3.93 | 10.37 | 3.88 | 10.02 | 3.79 |
|     | -9.5              | -10.0 | 11.33                  | 4.16 | 11.02 | 3.99 | 10.70 | 3.89 | 10.54 | 3.85 | 10.37 | 3.79 | 10.02 | 3.69 |
|     | -8.5              | -9.1  | 11.33                  | 4.07 | 11.02 | 3.93 | 10.70 | 3.84 | 10.54 | 3.78 | 10.37 | 3.74 | 10.02 | 3.64 |
|     | -7.0              | -7.6  | 11.33                  | 3.94 | 11.02 | 3.84 | 10.70 | 3.74 | 10.54 | 3.68 | 10.37 | 3.63 | 10.02 | 3.55 |
|     | -5.0              | -5.6  | 11.12                  | 3.74 | 10.82 | 3.64 | 10.51 | 3.55 | 10.35 | 3.49 | 10.19 | 3.46 | 9.85  | 3.35 |
|     | -3.0              | -3.7  | 11.45                  | 3.68 | 11.14 | 3.58 | 10.82 | 3.48 | 10.65 | 3.44 | 10.48 | 3.38 | 10.13 | 3.29 |
|     | 0.0               | -0.7  | 12.32                  | 3.68 | 11.98 | 3.56 | 11.62 | 3.46 | 11.43 | 3.41 | 11.24 | 3.35 | 10.84 | 3.25 |
|     | 3.0               | 2.2   | 13.73                  | 3.79 | 13.33 | 3.70 | 12.90 | 3.58 | 12.69 | 3.52 | 12.46 | 3.47 | 11.99 | 3.37 |
|     | 5.0               | 4.1   | 14.88                  | 3.92 | 14.42 | 3.81 | 13.94 | 3.70 | 13.69 | 3.63 | 13.25 | 3.51 | 12.79 | 3.26 |
|     | 7.0               | 6.0   | 16.91                  | 4.15 | 16.20 | 3.94 | 15.74 | 3.78 | 15.10 | 3.63 | 14.45 | 3.46 | 13.13 | 3.15 |
|     | 9.0               | 7.9   | 17.11                  | 3.98 | 16.58 | 3.84 | 15.74 | 3.61 | 15.10 | 3.45 | 14.45 | 3.28 | 13.13 | 2.96 |
|     | 11.0              | 9.8   | 17.56                  | 3.88 | 17.06 | 3.74 | 15.74 | 3.44 | 15.10 | 3.28 | 14.45 | 3.13 | 13.13 | 2.82 |
|     | 13.0              | 11.8  | 17.95                  | 3.77 | 17.06 | 3.56 | 15.74 | 3.26 | 15.10 | 3.11 | 14.45 | 2.96 | 13.13 | 2.74 |
|     | 15.0              | 13.7  | 18.37                  | 3.65 | 17.06 | 3.34 | 15.74 | 3.09 | 15.10 | 2.96 | 14.45 | 2.80 | 13.13 | 2.58 |
|     | 18.0              | 16.6  | 18.37                  | 3.34 | 17.06 | 3.17 | 15.74 | 2.89 | 15.10 | 2.78 | 14.45 | 2.66 | 13.13 | 2.38 |
|     | 21.0              | 19.5  | 18.37                  | 3.03 | 17.06 | 2.79 | 15.74 | 2.54 | 15.10 | 2.51 | 14.45 | 2.41 | 13.13 | 2.21 |
|     | 24.0              | 22.4  | 18.37                  | 2.74 | 17.06 | 2.48 | 15.74 | 2.42 | 15.10 | 2.30 | 14.45 | 2.18 | 13.13 | 2.11 |
|     | 27.0              | 25.3  | 18.37                  | 2.51 | 17.06 | 2.26 | 15.74 | 2.04 | 15.10 | 2.01 | 14.45 | 1.97 | 13.13 | 1.92 |
|     | 30.0              | 28.1  | 18.37                  | 2.31 | 17.06 | 2.06 | 15.74 | 1.71 | 15.10 | 1.75 | 14.45 | 1.78 | 13.13 | 1.74 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

## V8 PRO VRF 50Hz



Table2-8.16:12HP heating capacity

| CR   | Outdoor air temp. |       | Indoor air temp. °C DB |       |       |       |       |       |       |       |       |       |       |       |
|------|-------------------|-------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|      |                   |       | 16.0                   |       | 18.0  |       | 20.0  |       | 21.0  |       | 22.0  |       | 24.0  |       |
|      | °C DB             | °C WB | TC                     | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    |
| 130% | -30.0             | -30.5 | 26.42                  | 9.25  | 25.91 | 9.49  | 25.40 | 9.71  | 25.15 | 9.86  | 24.89 | 9.74  | 24.38 | 9.49  |
|      | -25.0             | -25.4 | 26.42                  | 9.37  | 25.91 | 9.58  | 25.40 | 9.78  | 25.15 | 9.90  | 24.89 | 9.84  | 24.38 | 9.67  |
|      | -19.8             | -20.0 | 26.42                  | 9.49  | 25.91 | 9.67  | 25.40 | 9.85  | 25.15 | 9.95  | 24.89 | 9.94  | 24.38 | 9.85  |
|      | -18.8             | -19.0 | 26.42                  | 9.49  | 25.91 | 9.65  | 25.40 | 9.85  | 25.15 | 9.96  | 25.11 | 10.13 | 24.38 | 9.87  |
|      | -16.7             | -17.0 | 26.42                  | 9.49  | 26.16 | 9.76  | 25.71 | 9.97  | 25.49 | 10.06 | 25.64 | 10.35 | 24.67 | 10.05 |
|      | -13.7             | -15.0 | 26.77                  | 9.67  | 26.73 | 10.03 | 26.34 | 10.26 | 26.14 | 10.37 | 25.94 | 10.49 | 25.38 | 10.48 |
|      | -11.8             | -13.0 | 27.45                  | 9.86  | 27.04 | 10.09 | 26.63 | 10.32 | 26.42 | 10.41 | 26.22 | 10.54 | 25.73 | 10.67 |
|      | -9.8              | -11.0 | 27.76                  | 9.93  | 27.34 | 10.15 | 26.91 | 10.36 | 26.70 | 10.49 | 26.48 | 10.59 | 26.05 | 10.81 |
|      | -9.5              | -10.0 | 27.90                  | 9.90  | 27.47 | 10.12 | 27.04 | 10.35 | 26.82 | 10.45 | 26.61 | 10.56 | 26.17 | 10.75 |
|      | -8.5              | -9.1  | 28.03                  | 9.96  | 27.59 | 10.16 | 27.16 | 10.38 | 26.94 | 10.48 | 26.72 | 10.57 | 26.28 | 10.80 |
|      | -7.0              | -7.6  | 28.23                  | 9.99  | 27.78 | 10.20 | 27.34 | 10.40 | 27.12 | 10.51 | 26.89 | 10.60 | 26.45 | 10.82 |
|      | -5.0              | -5.6  | 28.00                  | 9.87  | 27.55 | 10.04 | 27.10 | 10.27 | 26.87 | 10.36 | 26.65 | 10.46 | 26.20 | 10.66 |
|      | -3.0              | -3.7  | 29.00                  | 10.02 | 28.53 | 10.22 | 28.07 | 10.44 | 27.83 | 10.54 | 27.60 | 10.64 | 27.13 | 10.84 |
|      | 0.0               | -0.7  | 31.44                  | 10.58 | 30.94 | 10.79 | 30.43 | 11.02 | 30.18 | 11.12 | 29.92 | 11.22 | 29.41 | 11.47 |
|      | 3.0               | 2.2   | 35.27                  | 11.58 | 34.71 | 11.80 | 34.15 | 12.06 | 33.87 | 12.18 | 33.58 | 12.30 | 32.82 | 12.15 |
|      | 5.0               | 4.1   | 38.39                  | 12.40 | 37.78 | 12.65 | 37.18 | 12.93 | 36.88 | 13.05 | 36.58 | 13.17 | 35.50 | 12.59 |
|      | 7.0               | 6.0   | 43.45                  | 13.81 | 42.61 | 14.02 | 42.12 | 14.43 | 41.75 | 14.54 | 41.33 | 14.55 | 40.10 | 13.59 |
|      | 9.0               | 7.9   | 44.84                  | 14.03 | 43.97 | 14.27 | 43.48 | 14.65 | 43.09 | 14.79 | 42.25 | 14.28 | 40.10 | 12.95 |
|      | 11.0              | 9.8   | 46.23                  | 14.29 | 45.34 | 14.50 | 44.84 | 14.90 | 44.00 | 14.48 | 43.56 | 14.07 | 40.10 | 12.30 |
|      | 13.0              | 11.8  | 47.62                  | 14.51 | 46.70 | 14.76 | 45.79 | 14.58 | 45.33 | 14.25 | 44.69 | 13.77 | 40.10 | 11.68 |
| 120% | 15.0              | 13.7  | 49.01                  | 14.73 | 48.43 | 15.12 | 47.12 | 14.34 | 46.65 | 14.00 | 44.69 | 13.11 | 40.10 | 11.03 |
|      | 18.0              | 16.6  | 51.09                  | 15.08 | 50.11 | 14.73 | 47.12 | 13.12 | 46.65 | 12.60 | 44.69 | 11.71 | 40.10 | 9.94  |
|      | 21.0              | 19.5  | 53.18                  | 15.23 | 52.16 | 14.62 | 47.12 | 12.34 | 46.65 | 11.81 | 44.69 | 10.95 | 40.10 | 9.27  |
|      | 24.0              | 22.4  | 55.26                  | 15.07 | 52.82 | 14.02 | 48.76 | 12.02 | 46.72 | 11.04 | 44.69 | 10.24 | 40.10 | 8.58  |
|      | 27.0              | 25.3  | 57.35                  | 14.87 | 52.82 | 13.25 | 48.76 | 11.28 | 46.72 | 10.35 | 44.69 | 9.55  | 40.10 | 7.86  |
|      | 30.0              | 28.1  | 57.35                  | 14.14 | 52.82 | 12.52 | 48.76 | 10.59 | 46.72 | 9.70  | 44.69 | 8.90  | 40.75 | 7.31  |
|      | -30.0             | -30.5 | 25.25                  | 9.04  | 24.77 | 9.30  | 24.28 | 9.58  | 24.04 | 9.41  | 23.80 | 9.30  | 23.31 | 9.32  |
|      | -25.0             | -25.4 | 25.25                  | 9.16  | 24.77 | 9.39  | 24.28 | 9.62  | 24.04 | 9.54  | 23.80 | 9.47  | 23.31 | 9.40  |
|      | -19.8             | -20.0 | 25.25                  | 9.28  | 24.77 | 9.48  | 24.48 | 9.74  | 24.04 | 9.67  | 23.80 | 9.64  | 23.31 | 9.49  |
|      | -18.8             | -19.0 | 25.25                  | 9.30  | 24.98 | 9.57  | 24.56 | 9.79  | 24.31 | 9.81  | 24.01 | 9.74  | 23.31 | 9.52  |
|      | -16.7             | -17.0 | 25.57                  | 9.42  | 25.52 | 9.77  | 25.14 | 10.00 | 24.96 | 10.13 | 24.65 | 10.07 | 23.60 | 9.70  |
|      | -13.7             | -15.0 | 26.20                  | 9.70  | 25.82 | 9.94  | 25.43 | 10.16 | 25.24 | 10.29 | 24.97 | 10.30 | 24.30 | 10.13 |
|      | -11.8             | -13.0 | 26.50                  | 9.81  | 26.10 | 10.02 | 25.70 | 10.23 | 25.50 | 10.36 | 25.30 | 10.45 | 24.64 | 10.29 |
|      | -9.8              | -11.0 | 26.78                  | 9.87  | 26.36 | 10.06 | 25.95 | 10.30 | 25.75 | 10.40 | 25.54 | 10.52 | 24.96 | 10.44 |
|      | -9.5              | -10.0 | 26.91                  | 9.85  | 26.49 | 10.07 | 26.07 | 10.27 | 25.86 | 10.37 | 25.65 | 10.49 | 25.11 | 10.49 |
|      | -8.5              | -9.1  | 27.02                  | 9.88  | 26.60 | 10.09 | 26.17 | 10.29 | 25.96 | 10.41 | 25.75 | 10.52 | 25.24 | 10.58 |
|      | -7.0              | -7.6  | 27.20                  | 9.92  | 26.77 | 10.13 | 26.34 | 10.31 | 26.12 | 10.45 | 25.91 | 10.54 | 25.45 | 10.73 |
|      | -5.0              | -5.6  | 26.96                  | 9.80  | 26.53 | 10.00 | 26.09 | 10.21 | 25.88 | 10.30 | 25.66 | 10.39 | 25.22 | 10.62 |
|      | -3.0              | -3.7  | 27.93                  | 9.99  | 27.48 | 10.18 | 27.02 | 10.37 | 26.80 | 10.49 | 26.57 | 10.61 | 26.11 | 10.81 |
|      | 0.0               | -0.7  | 30.29                  | 10.57 | 29.80 | 10.75 | 29.31 | 10.97 | 29.06 | 11.09 | 28.81 | 11.19 | 28.17 | 11.07 |
|      | 3.0               | 2.2   | 33.99                  | 11.55 | 33.45 | 11.80 | 32.91 | 12.05 | 32.63 | 12.16 | 32.26 | 12.09 | 31.27 | 11.68 |
|      | 5.0               | 4.1   | 37.02                  | 12.40 | 36.44 | 12.66 | 35.85 | 12.93 | 35.51 | 12.94 | 34.91 | 12.52 | 33.75 | 12.05 |
|      | 7.0               | 6.0   | 41.92                  | 13.84 | 41.20 | 14.12 | 40.47 | 14.37 | 39.94 | 13.97 | 39.14 | 13.40 | 37.50 | 12.75 |
|      | 9.0               | 7.9   | 43.27                  | 14.08 | 42.53 | 14.37 | 41.63 | 14.20 | 40.80 | 13.68 | 40.39 | 13.18 | 37.50 | 12.12 |
|      | 11.0              | 9.8   | 44.63                  | 14.33 | 43.86 | 14.63 | 42.49 | 13.86 | 42.07 | 13.43 | 40.39 | 12.53 | 37.50 | 11.51 |
|      | 13.0              | 11.8  | 45.99                  | 14.61 | 45.04 | 14.40 | 43.77 | 13.60 | 42.07 | 12.81 | 40.39 | 11.90 | 37.50 | 10.91 |
|      | 15.0              | 13.7  | 47.35                  | 14.86 | 45.95 | 14.05 | 43.77 | 12.96 | 42.07 | 12.16 | 40.39 | 11.27 | 37.50 | 10.29 |
|      | 18.0              | 16.6  | 48.85                  | 14.33 | 47.91 | 13.39 | 43.77 | 11.58 | 42.07 | 10.78 | 40.39 | 10.12 | 37.50 | 9.00  |
|      | 21.0              | 19.5  | 50.84                  | 14.13 | 47.91 | 12.62 | 43.77 | 10.83 | 42.07 | 10.11 | 40.39 | 9.48  | 37.50 | 8.24  |
|      | 24.0              | 22.4  | 52.51                  | 13.82 | 48.76 | 12.10 | 45.00 | 10.42 | 42.07 | 9.41  | 40.39 | 8.81  | 37.50 | 7.56  |
|      | 27.0              | 25.3  | 52.51                  | 13.10 | 48.76 | 11.33 | 45.00 | 9.73  | 42.07 | 8.74  | 40.39 | 8.10  | 37.50 | 6.85  |
|      | 30.0              | 28.1  | 52.51                  | 12.41 | 48.76 | 10.61 | 45.00 | 9.08  | 43.32 | 8.35  | 41.44 | 7.65  | 37.50 | 6.21  |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...



Table2-8.16:12HP heating capacity(continued)

| CR   | Outdoor air temp. |       | Indoor air temp. °C DB |       |       |       |       |       |       |       |       |       |       |       |
|------|-------------------|-------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|      |                   |       | 16.0                   |       | 18.0  |       | 20.0  |       | 21.0  |       | 22.0  |       | 24.0  |       |
|      | °C DB             | °C WB | TC                     | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    |
| 110% | -30.0             | -30.5 | 23.85                  | 8.84  | 23.40 | 9.07  | 22.94 | 9.02  | 22.71 | 9.04  | 22.48 | 8.95  | 22.02 | 8.83  |
|      | -25.0             | -25.4 | 23.85                  | 8.94  | 23.40 | 9.15  | 22.94 | 9.15  | 22.71 | 9.14  | 22.48 | 9.07  | 22.02 | 8.93  |
|      | -19.8             | -20.0 | 24.09                  | 9.14  | 23.70 | 9.35  | 23.21 | 9.40  | 22.92 | 9.33  | 22.48 | 9.19  | 22.02 | 9.03  |
|      | -18.8             | -19.0 | 24.17                  | 9.17  | 24.14 | 9.54  | 23.67 | 9.61  | 23.02 | 9.40  | 22.73 | 9.32  | 22.02 | 9.08  |
|      | -16.7             | -17.0 | 24.79                  | 9.41  | 24.43 | 9.63  | 24.07 | 9.86  | 23.65 | 9.66  | 23.31 | 9.57  | 22.34 | 9.25  |
|      | -13.7             | -15.0 | 25.07                  | 9.61  | 24.70 | 9.81  | 24.32 | 10.04 | 24.03 | 10.00 | 23.66 | 9.83  | 23.01 | 9.62  |
|      | -11.8             | -13.0 | 25.33                  | 9.67  | 24.94 | 9.89  | 24.56 | 10.09 | 24.33 | 10.16 | 24.01 | 10.03 | 23.34 | 9.78  |
|      | -9.8              | -11.0 | 25.57                  | 9.76  | 25.17 | 9.96  | 24.78 | 10.17 | 24.58 | 10.28 | 24.29 | 10.22 | 23.64 | 9.96  |
|      | -9.5              | -10.0 | 25.69                  | 9.73  | 25.29 | 9.95  | 24.88 | 10.14 | 24.68 | 10.23 | 24.42 | 10.25 | 23.78 | 10.01 |
|      | -8.5              | -9.1  | 25.79                  | 9.78  | 25.38 | 9.97  | 24.97 | 10.15 | 24.77 | 10.28 | 24.54 | 10.34 | 23.91 | 10.09 |
|      | -7.0              | -7.6  | 25.95                  | 9.80  | 25.54 | 10.02 | 25.12 | 10.21 | 24.91 | 10.33 | 24.71 | 10.43 | 24.10 | 10.24 |
|      | -5.0              | -5.6  | 25.71                  | 9.68  | 25.29 | 9.89  | 24.87 | 10.10 | 24.66 | 10.19 | 24.45 | 10.28 | 23.87 | 10.11 |
|      | -3.0              | -3.7  | 26.63                  | 9.87  | 26.19 | 10.08 | 25.75 | 10.29 | 25.54 | 10.38 | 25.32 | 10.49 | 24.59 | 10.00 |
|      | 0.0               | -0.7  | 28.88                  | 10.46 | 28.41 | 10.68 | 27.93 | 10.90 | 27.70 | 10.99 | 27.32 | 10.74 | 26.45 | 10.18 |
|      | 3.0               | 2.2   | 32.44                  | 11.51 | 31.92 | 11.74 | 31.30 | 11.78 | 30.96 | 11.69 | 30.44 | 11.39 | 29.34 | 10.70 |
|      | 5.0               | 4.1   | 35.36                  | 12.37 | 34.79 | 12.62 | 33.90 | 12.21 | 33.50 | 12.13 | 32.90 | 11.76 | 31.64 | 10.95 |
|      | 7.0               | 6.0   | 40.48                  | 13.98 | 39.78 | 14.12 | 38.11 | 13.11 | 37.66 | 13.02 | 36.97 | 12.61 | 34.38 | 11.31 |
|      | 9.0               | 7.9   | 41.79                  | 14.24 | 40.26 | 13.72 | 38.93 | 12.78 | 38.54 | 12.71 | 37.83 | 12.30 | 34.38 | 10.68 |
|      | 11.0              | 9.8   | 43.05                  | 14.41 | 41.37 | 13.50 | 40.14 | 12.53 | 39.54 | 12.40 | 37.83 | 11.65 | 34.38 | 10.12 |
|      | 13.0              | 11.8  | 43.55                  | 13.98 | 42.17 | 13.15 | 40.14 | 11.88 | 39.54 | 11.75 | 37.83 | 11.01 | 34.38 | 9.59  |
|      | 15.0              | 13.7  | 44.68                  | 13.71 | 43.40 | 12.87 | 40.14 | 11.26 | 39.54 | 11.10 | 37.83 | 10.42 | 34.38 | 9.05  |
|      | 18.0              | 16.6  | 46.14                  | 12.82 | 43.40 | 11.47 | 40.14 | 10.10 | 39.54 | 9.78  | 37.83 | 9.13  | 34.38 | 7.94  |
|      | 21.0              | 19.5  | 48.02                  | 12.59 | 43.40 | 10.73 | 40.14 | 9.47  | 39.54 | 9.07  | 37.83 | 8.41  | 34.38 | 7.28  |
|      | 24.0              | 22.4  | 48.14                  | 11.87 | 43.40 | 10.07 | 40.14 | 8.79  | 39.54 | 8.38  | 37.83 | 7.70  | 34.38 | 6.69  |
|      | 27.0              | 25.3  | 48.14                  | 11.10 | 43.40 | 9.38  | 40.14 | 8.10  | 39.54 | 7.63  | 37.83 | 6.98  | 34.38 | 6.15  |
|      | 30.0              | 28.1  | 48.14                  | 10.38 | 44.84 | 9.02  | 41.28 | 7.68  | 39.54 | 6.94  | 37.83 | 6.33  | 34.38 | 5.65  |
| 100% | -30.0             | -30.5 | 23.71                  | 9.05  | 23.26 | 9.19  | 22.80 | 9.07  | 22.57 | 9.04  | 22.34 | 9.02  | 21.89 | 8.87  |
|      | -25.0             | -25.4 | 23.71                  | 9.17  | 23.26 | 9.31  | 22.80 | 9.19  | 22.57 | 9.13  | 22.34 | 9.10  | 21.89 | 8.98  |
|      | -19.8             | -20.0 | 23.96                  | 9.40  | 23.52 | 9.53  | 22.80 | 9.31  | 22.57 | 9.22  | 22.34 | 9.17  | 21.89 | 9.09  |
|      | -18.8             | -19.0 | 24.04                  | 9.44  | 23.98 | 9.76  | 23.05 | 9.45  | 22.57 | 9.25  | 22.34 | 9.18  | 21.89 | 9.09  |
|      | -16.7             | -17.0 | 24.65                  | 9.71  | 24.29 | 9.95  | 23.63 | 9.72  | 23.33 | 9.66  | 22.66 | 9.40  | 22.07 | 9.20  |
|      | -13.7             | -15.0 | 24.92                  | 9.89  | 24.55 | 10.13 | 23.96 | 10.00 | 23.63 | 9.89  | 23.29 | 9.77  | 22.62 | 9.54  |
|      | -11.8             | -13.0 | 25.18                  | 10.00 | 24.80 | 10.22 | 24.28 | 10.17 | 23.95 | 10.06 | 23.61 | 9.94  | 22.96 | 9.69  |
|      | -9.8              | -11.0 | 25.42                  | 10.09 | 25.02 | 10.30 | 24.57 | 10.39 | 24.24 | 10.25 | 23.92 | 10.14 | 23.29 | 9.90  |
|      | -9.5              | -10.0 | 25.53                  | 10.08 | 25.13 | 10.27 | 24.69 | 10.38 | 24.38 | 10.28 | 24.06 | 10.16 | 23.43 | 9.92  |
|      | -8.5              | -9.1  | 25.63                  | 10.12 | 25.23 | 10.30 | 24.80 | 10.50 | 24.49 | 10.38 | 24.19 | 10.28 | 23.56 | 10.04 |
|      | -7.0              | -7.6  | 25.79                  | 10.17 | 25.38 | 10.37 | 24.97 | 10.59 | 24.68 | 10.50 | 24.38 | 10.40 | 23.73 | 10.11 |
|      | -5.0              | -5.6  | 25.55                  | 10.05 | 25.13 | 10.26 | 24.72 | 10.48 | 24.48 | 10.50 | 24.14 | 10.27 | 23.36 | 9.63  |
|      | -3.0              | -3.7  | 26.46                  | 10.24 | 26.03 | 10.48 | 25.60 | 10.70 | 25.23 | 10.42 | 24.87 | 10.15 | 24.03 | 9.46  |
|      | 0.0               | -0.7  | 28.70                  | 10.88 | 28.23 | 11.12 | 27.62 | 10.96 | 27.20 | 10.65 | 26.77 | 10.35 | 25.82 | 9.57  |
|      | 3.0               | 2.2   | 32.23                  | 12.00 | 31.53 | 11.82 | 30.73 | 11.61 | 30.21 | 11.19 | 29.67 | 10.87 | 28.54 | 9.93  |
|      | 5.0               | 4.1   | 35.12                  | 12.91 | 34.14 | 12.27 | 33.19 | 11.98 | 32.60 | 11.53 | 31.54 | 11.00 | 30.46 | 10.01 |
|      | 7.0               | 6.0   | 39.46                  | 13.89 | 38.25 | 13.13 | 37.50 | 12.93 | 35.96 | 12.10 | 34.38 | 11.36 | 31.25 | 9.79  |
|      | 9.0               | 7.9   | 40.58                  | 13.70 | 39.47 | 12.93 | 37.50 | 12.30 | 35.96 | 11.48 | 34.38 | 10.76 | 31.25 | 9.29  |
|      | 11.0              | 9.8   | 41.50                  | 13.38 | 39.47 | 12.27 | 37.50 | 11.68 | 35.96 | 10.88 | 34.38 | 10.20 | 31.25 | 8.75  |
|      | 13.0              | 11.8  | 42.74                  | 13.14 | 39.47 | 11.67 | 37.50 | 11.03 | 35.96 | 10.27 | 34.38 | 9.65  | 31.25 | 8.20  |
|      | 15.0              | 13.7  | 43.99                  | 12.86 | 39.47 | 11.02 | 37.50 | 10.44 | 35.96 | 9.73  | 34.38 | 9.11  | 31.25 | 7.64  |
|      | 18.0              | 16.6  | 43.99                  | 11.48 | 39.47 | 9.91  | 37.50 | 9.08  | 35.96 | 8.52  | 34.38 | 7.98  | 31.25 | 6.98  |
|      | 21.0              | 19.5  | 43.99                  | 10.76 | 39.47 | 9.25  | 37.50 | 8.32  | 35.96 | 7.80  | 34.38 | 7.29  | 31.25 | 6.46  |
|      | 24.0              | 22.4  | 43.99                  | 10.08 | 39.47 | 8.59  | 37.50 | 7.62  | 35.96 | 7.08  | 34.38 | 6.72  | 31.25 | 5.97  |
|      | 27.0              | 25.3  | 43.99                  | 9.38  | 39.47 | 7.87  | 37.50 | 6.91  | 35.96 | 6.54  | 34.38 | 6.18  | 31.25 | 5.46  |
|      | 30.0              | 28.1  | 44.02                  | 8.72  | 40.29 | 7.37  | 37.50 | 6.26  | 35.96 | 6.05  | 34.38 | 5.68  | 31.25 | 5.00  |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

## V8 PRO VRF 50Hz



Table2-8.16:12HP heating capacity(continued)

| CR  | Outdoor air temp. |       | Indoor air temp. °C DB |       |       |       |       |       |       |       |       |      |       |      |
|-----|-------------------|-------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|------|
|     |                   |       | 16.0                   |       | 18.0  |       | 20.0  |       | 21.0  |       | 22.0  |      | 24.0  |      |
|     | °C DB             | °C WB | TC                     | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI   | TC    | PI   |
| 90% | -30.0             | -30.5 | 21.34                  | 8.38  | 20.93 | 8.36  | 20.52 | 8.37  | 20.31 | 8.23  | 20.11 | 8.16 | 19.70 | 8.22 |
|     | -25.0             | -25.4 | 21.34                  | 8.53  | 20.93 | 8.48  | 20.52 | 8.40  | 20.31 | 8.32  | 20.11 | 8.26 | 19.70 | 8.22 |
|     | -19.8             | -20.0 | 22.32                  | 9.08  | 21.71 | 8.92  | 20.77 | 8.53  | 20.53 | 8.49  | 20.28 | 8.44 | 19.70 | 8.23 |
|     | -18.8             | -19.0 | 22.48                  | 9.24  | 21.87 | 9.02  | 21.21 | 8.75  | 20.62 | 8.56  | 20.37 | 8.50 | 19.70 | 8.25 |
|     | -16.7             | -17.0 | 22.71                  | 9.36  | 22.15 | 9.18  | 21.53 | 8.96  | 21.21 | 8.84  | 20.93 | 8.74 | 20.30 | 8.52 |
|     | -13.7             | -15.0 | 22.94                  | 9.52  | 22.40 | 9.40  | 21.83 | 9.22  | 21.52 | 9.07  | 21.24 | 9.00 | 20.61 | 8.74 |
|     | -11.8             | -13.0 | 23.14                  | 9.60  | 22.64 | 9.54  | 22.07 | 9.33  | 21.78 | 9.22  | 21.49 | 9.12 | 20.92 | 8.94 |
|     | -9.8              | -11.0 | 23.34                  | 9.70  | 22.88 | 9.71  | 22.32 | 9.49  | 22.04 | 9.39  | 21.76 | 9.30 | 21.19 | 9.09 |
|     | -9.5              | -10.0 | 23.43                  | 9.70  | 22.99 | 9.76  | 22.44 | 9.53  | 22.15 | 9.43  | 21.88 | 9.32 | 21.32 | 9.12 |
|     | -8.5              | -9.1  | 23.51                  | 9.73  | 23.09 | 9.80  | 22.53 | 9.59  | 22.26 | 9.50  | 21.98 | 9.40 | 21.35 | 9.06 |
|     | -7.0              | -7.6  | 23.64                  | 9.79  | 23.24 | 9.92  | 22.69 | 9.70  | 22.42 | 9.61  | 22.10 | 9.39 | 21.35 | 8.79 |
|     | -5.0              | -5.6  | 23.39                  | 9.68  | 23.00 | 9.88  | 22.41 | 9.49  | 22.06 | 9.22  | 21.73 | 8.95 | 20.99 | 8.31 |
|     | -3.0              | -3.7  | 24.22                  | 9.91  | 23.75 | 9.91  | 23.09 | 9.39  | 22.73 | 9.09  | 22.36 | 8.77 | 21.57 | 8.09 |
|     | 0.0               | -0.7  | 26.26                  | 10.48 | 25.64 | 10.20 | 24.90 | 9.59  | 24.50 | 9.24  | 24.08 | 8.87 | 23.19 | 8.19 |
|     | 3.0               | 2.2   | 29.37                  | 11.17 | 28.56 | 10.78 | 27.66 | 10.07 | 27.18 | 9.66  | 26.70 | 9.26 | 25.68 | 8.52 |
|     | 5.0               | 4.1   | 31.85                  | 11.58 | 30.90 | 11.17 | 29.87 | 10.36 | 29.33 | 9.89  | 28.38 | 9.34 | 27.41 | 8.61 |
|     | 7.0               | 6.0   | 36.24                  | 12.60 | 34.73 | 11.95 | 33.75 | 11.07 | 32.34 | 10.33 | 30.94 | 9.65 | 27.41 | 8.11 |
|     | 9.0               | 7.9   | 36.66                  | 12.18 | 35.53 | 11.59 | 33.76 | 10.48 | 32.34 | 9.80  | 30.94 | 9.14 | 27.41 | 7.53 |
|     | 11.0              | 9.8   | 37.64                  | 11.88 | 36.57 | 11.31 | 33.76 | 9.96  | 32.34 | 9.29  | 30.94 | 8.61 | 27.41 | 7.19 |
|     | 13.0              | 11.8  | 38.47                  | 11.51 | 36.57 | 10.67 | 33.76 | 9.38  | 32.34 | 8.73  | 30.94 | 8.05 | 27.41 | 6.81 |
| 80% | 15.0              | 13.7  | 39.38                  | 11.15 | 36.57 | 10.12 | 33.76 | 8.84  | 32.34 | 8.17  | 30.94 | 7.52 | 27.41 | 6.52 |
|     | 18.0              | 16.6  | 39.38                  | 9.77  | 36.57 | 8.79  | 33.76 | 7.77  | 32.34 | 7.34  | 30.94 | 6.92 | 27.41 | 6.05 |
|     | 21.0              | 19.5  | 39.38                  | 9.12  | 36.57 | 8.11  | 33.76 | 7.15  | 32.34 | 6.78  | 30.94 | 6.43 | 27.41 | 5.59 |
|     | 24.0              | 22.4  | 39.38                  | 8.44  | 36.57 | 7.36  | 33.76 | 6.57  | 32.34 | 6.25  | 30.94 | 5.94 | 27.41 | 5.18 |
|     | 27.0              | 25.3  | 39.38                  | 7.72  | 36.57 | 6.72  | 33.76 | 6.06  | 32.34 | 5.74  | 30.94 | 5.45 | 27.41 | 4.70 |
|     | 30.0              | 28.1  | 39.38                  | 7.07  | 36.57 | 6.13  | 33.76 | 5.59  | 32.34 | 5.28  | 30.94 | 5.01 | 27.41 | 4.27 |
|     | -30.0             | -30.5 | 18.97                  | 7.53  | 18.60 | 7.39  | 18.24 | 7.56  | 18.06 | 7.43  | 17.88 | 7.35 | 17.51 | 7.41 |
|     | -25.0             | -25.4 | 19.20                  | 7.77  | 18.60 | 7.56  | 18.24 | 7.57  | 18.06 | 7.51  | 17.88 | 7.42 | 17.51 | 7.39 |
|     | -19.8             | -20.0 | 20.09                  | 8.28  | 19.56 | 8.12  | 18.97 | 7.88  | 18.75 | 7.89  | 18.44 | 7.72 | 17.68 | 7.45 |
|     | -18.8             | -19.0 | 20.23                  | 8.39  | 19.70 | 8.21  | 19.12 | 7.97  | 18.82 | 7.84  | 18.56 | 7.77 | 17.76 | 7.50 |
|     | -16.7             | -17.0 | 20.42                  | 8.50  | 19.90 | 8.31  | 19.36 | 8.10  | 19.11 | 8.03  | 18.85 | 7.98 | 18.30 | 7.75 |
|     | -13.7             | -15.0 | 20.64                  | 8.70  | 20.12 | 8.51  | 19.63 | 8.36  | 19.35 | 8.23  | 19.10 | 8.15 | 18.57 | 7.95 |
|     | -11.8             | -13.0 | 20.84                  | 8.83  | 20.34 | 8.65  | 19.83 | 8.45  | 19.58 | 8.38  | 19.33 | 8.29 | 18.82 | 8.09 |
|     | -9.8              | -11.0 | 21.03                  | 8.97  | 20.53 | 8.78  | 20.04 | 8.59  | 19.80 | 8.52  | 19.55 | 8.44 | 18.97 | 8.09 |
|     | -9.5              | -10.0 | 21.12                  | 8.98  | 20.63 | 8.80  | 20.14 | 8.62  | 19.89 | 8.54  | 19.64 | 8.41 | 18.97 | 7.89 |
|     | -8.5              | -9.1  | 21.19                  | 9.05  | 20.71 | 8.89  | 20.22 | 8.70  | 19.95 | 8.55  | 19.64 | 8.30 | 18.97 | 7.77 |
|     | -7.0              | -7.6  | 21.32                  | 9.17  | 20.83 | 8.96  | 20.27 | 8.60  | 19.95 | 8.32  | 19.64 | 8.07 | 18.97 | 7.56 |
|     | -5.0              | -5.6  | 21.08                  | 9.11  | 20.50 | 8.61  | 19.92 | 8.14  | 19.62 | 7.90  | 19.32 | 7.67 | 18.65 | 7.18 |
|     | -3.0              | -3.7  | 21.72                  | 8.98  | 21.11 | 8.47  | 20.50 | 7.97  | 20.19 | 7.71  | 19.86 | 7.46 | 19.17 | 7.02 |
|     | 0.0               | -0.7  | 23.45                  | 9.22  | 22.78 | 8.62  | 22.10 | 8.08  | 21.74 | 7.80  | 21.37 | 7.56 | 20.59 | 7.07 |
|     | 3.0               | 2.2   | 26.16                  | 9.78  | 25.39 | 9.06  | 24.58 | 8.43  | 24.16 | 8.16  | 23.73 | 7.89 | 22.80 | 7.31 |
|     | 5.0               | 4.1   | 28.34                  | 10.08 | 27.47 | 9.31  | 26.55 | 8.68  | 26.08 | 8.34  | 25.22 | 7.92 | 24.36 | 7.35 |
|     | 7.0               | 6.0   | 32.22                  | 10.89 | 30.87 | 9.90  | 30.00 | 9.28  | 26.08 | 7.89  | 25.22 | 7.47 | 24.36 | 6.82 |
|     | 9.0               | 7.9   | 32.58                  | 10.44 | 31.58 | 9.60  | 30.00 | 8.74  | 26.08 | 7.29  | 25.22 | 6.90 | 24.36 | 6.42 |
|     | 11.0              | 9.8   | 33.45                  | 10.14 | 32.51 | 9.37  | 30.00 | 8.24  | 26.08 | 6.92  | 25.22 | 6.55 | 24.36 | 6.16 |
|     | 13.0              | 11.8  | 34.20                  | 9.80  | 32.51 | 8.80  | 30.00 | 7.67  | 26.08 | 6.56  | 25.22 | 6.23 | 24.36 | 5.85 |
|     | 15.0              | 13.7  | 35.00                  | 9.50  | 32.51 | 8.24  | 30.00 | 7.23  | 26.08 | 6.24  | 25.22 | 5.96 | 24.36 | 5.61 |
|     | 18.0              | 16.6  | 35.00                  | 8.26  | 32.51 | 7.43  | 30.00 | 6.73  | 26.08 | 5.79  | 25.22 | 5.57 | 24.36 | 5.23 |
|     | 21.0              | 19.5  | 35.00                  | 7.61  | 32.51 | 6.84  | 30.00 | 6.22  | 26.08 | 5.37  | 25.22 | 5.19 | 24.36 | 4.87 |
|     | 24.0              | 22.4  | 35.00                  | 6.92  | 32.51 | 6.32  | 30.00 | 5.72  | 26.08 | 4.96  | 25.22 | 4.75 | 24.36 | 4.51 |
|     | 27.0              | 25.3  | 35.00                  | 6.38  | 32.51 | 5.80  | 30.00 | 5.27  | 26.08 | 4.55  | 25.22 | 4.33 | 24.36 | 3.95 |
|     | 30.0              | 28.1  | 35.00                  | 5.88  | 32.51 | 5.32  | 30.00 | 4.86  | 26.08 | 4.17  | 25.22 | 3.95 | 24.36 | 3.47 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.16:12HP heating capacity(continued)

| CR  | Outdoor air temp. |       | Indoor air temp. °C DB |      |       |      |       |      |       |      |       |      |       |      |
|-----|-------------------|-------|------------------------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
|     |                   |       | 16.0                   |      | 18.0  |      | 20.0  |      | 21.0  |      | 22.0  |      | 24.0  |      |
|     | °C DB             | °C WB | TC                     | PI   | TC    | PI   | TC    | PI   | TC    | PI   | TC    | PI   | TC    | PI   |
| 70% | -30.0             | -30.5 | 16.60                  | 6.66 | 16.28 | 6.65 | 15.96 | 6.67 | 15.80 | 6.60 | 15.64 | 6.64 | 15.32 | 6.67 |
|     | -25.0             | -25.4 | 17.23                  | 7.05 | 16.78 | 6.95 | 16.11 | 6.74 | 15.80 | 6.64 | 15.64 | 6.63 | 15.32 | 6.61 |
|     | -19.8             | -20.0 | 17.79                  | 7.41 | 17.34 | 7.28 | 16.84 | 7.07 | 16.64 | 7.02 | 16.34 | 6.91 | 15.54 | 6.65 |
|     | -18.8             | -19.0 | 17.88                  | 7.45 | 17.43 | 7.29 | 16.96 | 7.16 | 16.73 | 7.07 | 16.49 | 6.97 | 15.93 | 6.83 |
|     | -16.7             | -17.0 | 18.07                  | 7.61 | 17.63 | 7.45 | 17.17 | 7.27 | 16.94 | 7.19 | 16.72 | 7.12 | 16.19 | 6.92 |
|     | -13.7             | -15.0 | 18.26                  | 7.78 | 17.81 | 7.61 | 17.37 | 7.44 | 17.15 | 7.38 | 16.92 | 7.31 | 16.45 | 7.11 |
|     | -11.8             | -13.0 | 18.42                  | 7.89 | 17.99 | 7.72 | 17.55 | 7.58 | 17.33 | 7.49 | 17.12 | 7.41 | 16.59 | 7.14 |
|     | -9.8              | -11.0 | 18.58                  | 8.01 | 18.15 | 7.84 | 17.72 | 7.68 | 17.46 | 7.49 | 17.17 | 7.26 | 16.59 | 6.89 |
|     | -9.5              | -10.0 | 18.65                  | 8.00 | 18.22 | 7.84 | 17.73 | 7.52 | 17.46 | 7.30 | 17.18 | 7.09 | 16.59 | 6.74 |
|     | -8.5              | -9.1  | 18.71                  | 8.07 | 18.26 | 7.84 | 17.73 | 7.40 | 17.46 | 7.19 | 17.17 | 6.99 | 16.59 | 6.65 |
|     | -7.0              | -7.6  | 18.77                  | 8.03 | 18.26 | 7.63 | 17.73 | 7.18 | 17.46 | 6.99 | 17.18 | 6.84 | 16.59 | 6.47 |
|     | -5.0              | -5.6  | 18.45                  | 7.65 | 17.95 | 7.26 | 17.42 | 6.80 | 17.15 | 6.63 | 16.88 | 6.46 | 16.31 | 6.13 |
|     | -3.0              | -3.7  | 19.00                  | 7.51 | 18.48 | 7.07 | 17.92 | 6.67 | 17.65 | 6.52 | 17.36 | 6.33 | 16.76 | 6.00 |
|     | 0.0               | -0.7  | 20.51                  | 7.64 | 19.93 | 7.17 | 19.30 | 6.77 | 19.00 | 6.59 | 18.64 | 6.34 | 17.96 | 5.97 |
|     | 3.0               | 2.2   | 22.89                  | 8.02 | 22.22 | 7.54 | 21.49 | 7.06 | 21.12 | 6.83 | 20.68 | 6.56 | 19.56 | 6.06 |
|     | 5.0               | 4.1   | 24.80                  | 8.25 | 24.03 | 7.73 | 23.15 | 7.18 | 22.70 | 6.91 | 21.97 | 6.56 | 19.56 | 5.80 |
|     | 7.0               | 6.0   | 28.19                  | 8.89 | 26.77 | 8.13 | 23.15 | 6.72 | 22.70 | 6.46 | 21.97 | 6.15 | 19.56 | 5.33 |
|     | 9.0               | 7.9   | 28.50                  | 8.49 | 27.63 | 7.74 | 23.15 | 6.22 | 22.70 | 6.02 | 21.97 | 5.80 | 19.56 | 5.07 |
|     | 11.0              | 9.8   | 29.05                  | 8.14 | 27.63 | 7.31 | 23.15 | 5.97 | 22.70 | 5.76 | 21.97 | 5.53 | 19.56 | 4.83 |
|     | 13.0              | 11.8  | 29.92                  | 7.81 | 27.63 | 6.92 | 23.15 | 5.67 | 22.70 | 5.48 | 21.97 | 5.25 | 19.56 | 4.57 |
| 60% | 15.0              | 13.7  | 29.92                  | 7.31 | 27.63 | 6.63 | 23.15 | 5.43 | 22.70 | 5.24 | 21.97 | 5.02 | 19.56 | 4.37 |
|     | 18.0              | 16.6  | 29.92                  | 6.75 | 27.63 | 6.18 | 23.15 | 5.09 | 22.70 | 4.89 | 21.97 | 4.69 | 19.56 | 4.05 |
|     | 21.0              | 19.5  | 29.92                  | 6.24 | 27.63 | 5.72 | 23.15 | 4.74 | 22.70 | 4.60 | 21.97 | 4.35 | 19.56 | 3.75 |
|     | 24.0              | 22.4  | 29.92                  | 5.79 | 27.63 | 5.27 | 23.15 | 4.37 | 22.70 | 4.27 | 21.97 | 3.99 | 19.56 | 3.45 |
|     | 27.0              | 25.3  | 29.92                  | 5.30 | 27.63 | 4.77 | 23.15 | 3.87 | 22.70 | 3.70 | 21.97 | 3.59 | 19.56 | 3.05 |
|     | 30.0              | 28.1  | 29.92                  | 4.84 | 27.63 | 4.32 | 23.15 | 3.42 | 22.70 | 3.20 | 21.97 | 3.22 | 21.30 | 2.93 |
|     | -30.0             | -30.5 | 14.39                  | 5.99 | 13.95 | 5.75 | 13.68 | 5.77 | 13.54 | 5.75 | 13.41 | 5.85 | 13.13 | 6.86 |
|     | -25.0             | -25.4 | 15.04                  | 6.30 | 14.59 | 6.10 | 13.79 | 5.86 | 13.54 | 5.79 | 13.41 | 5.82 | 13.13 | 6.26 |
|     | -19.8             | -20.0 | 15.46                  | 6.52 | 15.08 | 6.40 | 14.64 | 6.27 | 14.39 | 6.20 | 14.14 | 6.11 | 13.61 | 5.93 |
|     | -18.8             | -19.0 | 15.53                  | 6.56 | 15.15 | 6.44 | 14.71 | 6.29 | 14.47 | 6.20 | 14.23 | 6.11 | 13.73 | 5.95 |
|     | -16.7             | -17.0 | 15.68                  | 6.66 | 15.30 | 6.53 | 14.90 | 6.39 | 14.68 | 6.30 | 14.46 | 6.26 | 14.01 | 6.10 |
|     | -13.7             | -15.0 | 15.82                  | 6.82 | 15.45 | 6.68 | 15.07 | 6.55 | 14.86 | 6.47 | 14.65 | 6.40 | 14.22 | 6.24 |
|     | -11.8             | -13.0 | 15.96                  | 6.91 | 15.59 | 6.78 | 15.19 | 6.57 | 14.96 | 6.45 | 14.71 | 6.30 | 14.21 | 6.02 |
|     | -9.8              | -11.0 | 16.08                  | 7.00 | 15.65 | 6.67 | 15.19 | 6.38 | 14.96 | 6.22 | 14.71 | 6.09 | 14.22 | 5.81 |
|     | -9.5              | -10.0 | 16.09                  | 6.85 | 15.65 | 6.50 | 15.19 | 6.23 | 14.96 | 6.11 | 14.71 | 5.98 | 14.21 | 5.67 |
|     | -8.5              | -9.1  | 16.09                  | 6.74 | 15.65 | 6.41 | 15.19 | 6.14 | 14.96 | 6.02 | 14.71 | 5.86 | 14.22 | 5.58 |
|     | -7.0              | -7.6  | 16.09                  | 6.54 | 15.65 | 6.26 | 15.19 | 6.00 | 14.95 | 5.82 | 14.71 | 5.69 | 14.21 | 5.40 |
|     | -5.0              | -5.6  | 15.80                  | 6.19 | 15.37 | 5.93 | 14.93 | 5.66 | 14.70 | 5.52 | 14.46 | 5.40 | 13.98 | 5.15 |
|     | -3.0              | -3.7  | 16.27                  | 6.08 | 15.82 | 5.81 | 15.35 | 5.54 | 15.12 | 5.41 | 14.87 | 5.30 | 14.36 | 5.07 |
|     | 0.0               | -0.7  | 17.55                  | 6.19 | 17.05 | 5.89 | 16.52 | 5.60 | 16.23 | 5.41 | 15.96 | 5.32 | 15.36 | 5.11 |
|     | 3.0               | 2.2   | 19.59                  | 6.49 | 19.00 | 6.14 | 18.35 | 5.78 | 17.98 | 5.62 | 17.64 | 5.48 | 16.75 | 5.21 |
|     | 5.0               | 4.1   | 21.17                  | 6.61 | 20.46 | 6.19 | 19.73 | 5.92 | 19.11 | 5.69 | 18.83 | 5.61 | 16.75 | 4.99 |
|     | 7.0               | 6.0   | 23.67                  | 6.91 | 22.95 | 6.46 | 19.73 | 5.47 | 19.11 | 5.24 | 18.83 | 5.11 | 16.75 | 4.47 |
|     | 9.0               | 7.9   | 24.15                  | 6.52 | 23.68 | 6.27 | 19.73 | 5.15 | 19.11 | 4.96 | 18.83 | 4.85 | 18.15 | 4.64 |
|     | 11.0              | 9.8   | 24.90                  | 6.46 | 23.68 | 6.00 | 19.73 | 4.94 | 19.11 | 4.74 | 18.83 | 4.63 | 18.15 | 4.40 |
|     | 13.0              | 11.8  | 25.65                  | 6.30 | 23.68 | 5.72 | 19.73 | 4.69 | 19.11 | 4.49 | 18.83 | 4.41 | 18.15 | 4.21 |
|     | 15.0              | 13.7  | 25.65                  | 6.03 | 23.68 | 5.48 | 19.73 | 4.47 | 19.11 | 4.28 | 18.83 | 4.18 | 18.15 | 4.00 |
|     | 18.0              | 16.6  | 25.65                  | 5.66 | 23.68 | 5.11 | 19.73 | 4.14 | 19.11 | 3.98 | 18.83 | 3.89 | 18.15 | 3.66 |
|     | 21.0              | 19.5  | 25.65                  | 5.28 | 23.68 | 4.74 | 19.73 | 3.85 | 19.11 | 3.67 | 18.83 | 3.57 | 18.15 | 3.38 |
|     | 24.0              | 22.4  | 25.65                  | 4.87 | 23.68 | 4.40 | 19.73 | 3.57 | 19.11 | 3.37 | 18.83 | 3.27 | 18.15 | 3.03 |
|     | 27.0              | 25.3  | 25.65                  | 4.31 | 23.68 | 3.86 | 19.73 | 3.11 | 19.11 | 2.98 | 18.83 | 2.89 | 18.15 | 2.72 |
|     | 30.0              | 28.1  | 25.65                  | 3.80 | 23.68 | 3.39 | 19.73 | 2.71 | 19.11 | 2.64 | 18.83 | 2.55 | 18.15 | 2.44 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

# V8 PRO VRF 50Hz



Table2-8.16:12HP heating capacity(continued)

| CR  | Outdoor air temp. |       | Indoor air temp. °C DB |      |       |      |       |      |       |      |       |      |       |       |
|-----|-------------------|-------|------------------------|------|-------|------|-------|------|-------|------|-------|------|-------|-------|
|     |                   |       | 16.0                   |      | 18.0  |      | 20.0  |      | 21.0  |      | 22.0  |      | 24.0  |       |
|     |                   |       | TC                     | PI   | TC    | PI   | TC    | PI   | TC    | PI   | TC    | PI   | TC    | PI    |
| 50% | °C DB             | °C WB | kW                     | kW   | kW    | kW   | kW    | kW   | kW    | kW   | kW    | kW   | kW    | kW    |
|     | -30.0             | -30.5 | 12.26                  | 5.22 | 11.63 | 4.98 | 11.40 | 5.04 | 11.29 | 5.07 | 11.17 | 5.78 | 10.94 | 18.54 |
|     | -25.0             | -25.4 | 12.68                  | 5.43 | 12.14 | 5.24 | 11.40 | 5.00 | 11.29 | 5.01 | 11.17 | 5.33 | 10.94 | 9.48  |
|     | -19.8             | -20.0 | 13.04                  | 5.61 | 12.66 | 5.51 | 12.24 | 5.33 | 12.06 | 5.29 | 11.83 | 5.22 | 11.40 | 5.06  |
|     | -18.8             | -19.0 | 13.09                  | 5.62 | 12.73 | 5.51 | 12.34 | 5.37 | 12.15 | 5.33 | 11.95 | 5.26 | 11.55 | 5.14  |
|     | -16.7             | -17.0 | 13.22                  | 5.72 | 12.87 | 5.61 | 12.52 | 5.48 | 12.34 | 5.42 | 12.16 | 5.36 | 11.79 | 5.24  |
|     | -13.7             | -15.0 | 13.34                  | 5.84 | 13.00 | 5.72 | 12.66 | 5.59 | 12.46 | 5.46 | 12.26 | 5.37 | 11.84 | 5.16  |
|     | -11.8             | -13.0 | 13.40                  | 5.83 | 13.04 | 5.60 | 12.65 | 5.39 | 12.46 | 5.30 | 12.26 | 5.18 | 11.84 | 4.95  |
|     | -9.8              | -11.0 | 13.40                  | 5.62 | 13.04 | 5.42 | 12.66 | 5.21 | 12.46 | 5.10 | 12.26 | 4.99 | 11.84 | 4.82  |
|     | -9.5              | -10.0 | 13.40                  | 5.51 | 13.04 | 5.30 | 12.66 | 5.09 | 12.46 | 4.97 | 12.26 | 4.86 | 11.84 | 4.73  |
|     | -8.5              | -9.1  | 13.40                  | 5.42 | 13.04 | 5.22 | 12.66 | 5.00 | 12.46 | 4.88 | 12.26 | 4.78 | 11.84 | 4.66  |
|     | -7.0              | -7.6  | 13.40                  | 5.27 | 13.04 | 5.06 | 12.65 | 4.84 | 12.46 | 4.75 | 12.26 | 4.69 | 11.84 | 4.55  |
|     | -5.0              | -5.6  | 13.16                  | 5.00 | 12.80 | 4.79 | 12.44 | 4.62 | 12.25 | 4.55 | 12.05 | 4.48 | 11.64 | 4.35  |
|     | -3.0              | -3.7  | 13.55                  | 4.89 | 13.18 | 4.70 | 12.80 | 4.55 | 12.60 | 4.48 | 12.39 | 4.43 | 11.96 | 4.31  |
|     | 0.0               | -0.7  | 14.58                  | 4.89 | 14.17 | 4.74 | 13.73 | 4.58 | 13.50 | 4.50 | 13.28 | 4.43 | 12.80 | 4.31  |
|     | 3.0               | 2.2   | 16.23                  | 5.09 | 15.74 | 4.94 | 15.23 | 4.76 | 14.96 | 4.70 | 14.69 | 4.61 | 13.96 | 4.41  |
|     | 5.0               | 4.1   | 17.56                  | 5.26 | 17.01 | 5.10 | 16.43 | 4.92 | 15.92 | 4.78 | 15.69 | 4.67 | 15.23 | 4.36  |
|     | 7.0               | 6.0   | 19.71                  | 5.43 | 19.12 | 5.22 | 16.43 | 4.40 | 17.31 | 4.64 | 15.69 | 4.17 | 15.23 | 4.00  |
|     | 9.0               | 7.9   | 20.12                  | 5.26 | 19.12 | 4.95 | 18.07 | 4.64 | 17.31 | 4.41 | 15.69 | 3.99 | 15.23 | 3.83  |
|     | 11.0              | 9.8   | 20.75                  | 5.17 | 19.12 | 4.71 | 18.07 | 4.40 | 17.31 | 4.21 | 15.69 | 3.79 | 15.23 | 3.62  |
|     | 13.0              | 11.8  | 20.75                  | 4.90 | 19.12 | 4.48 | 18.07 | 4.21 | 17.31 | 3.99 | 15.69 | 3.61 | 15.23 | 3.47  |
|     | 15.0              | 13.7  | 20.75                  | 4.69 | 19.66 | 4.41 | 18.07 | 3.98 | 17.31 | 3.78 | 15.69 | 3.42 | 15.23 | 3.31  |
|     | 18.0              | 16.6  | 20.75                  | 4.35 | 19.66 | 4.05 | 18.07 | 3.67 | 17.31 | 3.52 | 15.69 | 3.14 | 15.62 | 3.26  |
|     | 21.0              | 19.5  | 20.75                  | 4.01 | 19.66 | 3.72 | 18.07 | 3.38 | 17.31 | 3.19 | 15.69 | 2.87 | 15.62 | 2.82  |
|     | 24.0              | 22.4  | 20.75                  | 3.68 | 19.66 | 3.43 | 18.07 | 3.03 | 17.31 | 2.89 | 16.61 | 2.77 | 15.62 | 2.75  |
|     | 27.0              | 25.3  | 20.75                  | 3.28 | 19.66 | 3.01 | 18.07 | 2.72 | 17.31 | 2.58 | 16.61 | 2.44 | 15.62 | 2.40  |
|     | 30.0              | 28.1  | 21.09                  | 2.97 | 19.66 | 2.65 | 18.07 | 2.44 | 17.31 | 2.31 | 16.61 | 2.15 | 15.62 | 2.09  |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table2-8.17:14HP heating capacity

| CR   | Outdoor air temp. |       | Indoor air temp. °C DB |       |       |       |       |       |       |       |       |       |       |       |
|------|-------------------|-------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|      |                   |       | 16.0                   |       | 18.0  |       | 20.0  |       | 21.0  |       | 22.0  |       | 24.0  |       |
|      | °C DB             | °C WB | TC                     | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    |
| 130% | -30.0             | -30.5 | 31.70                  | 11.54 | 31.09 | 11.92 | 30.48 | 12.28 | 30.17 | 12.49 | 29.87 | 12.63 | 29.26 | 13.02 |
|      | -25.0             | -25.4 | 31.70                  | 11.65 | 31.09 | 11.96 | 30.48 | 12.29 | 30.17 | 12.46 | 29.87 | 12.58 | 29.26 | 12.92 |
|      | -19.8             | -20.0 | 31.70                  | 11.76 | 31.09 | 12.01 | 30.48 | 12.29 | 30.17 | 12.43 | 29.87 | 12.53 | 29.26 | 12.82 |
|      | -18.8             | -19.0 | 31.70                  | 11.75 | 31.09 | 11.99 | 30.48 | 12.27 | 30.17 | 12.39 | 29.87 | 12.50 | 29.26 | 12.78 |
|      | -16.7             | -17.0 | 31.70                  | 11.70 | 31.09 | 11.96 | 30.48 | 12.22 | 30.42 | 12.44 | 30.15 | 12.57 | 29.60 | 12.85 |
|      | -13.7             | -15.0 | 32.00                  | 11.84 | 31.45 | 12.09 | 30.90 | 12.39 | 30.62 | 12.53 | 30.81 | 12.85 | 30.32 | 13.15 |
|      | -11.8             | -13.0 | 32.72                  | 12.02 | 32.21 | 12.28 | 31.70 | 12.60 | 31.44 | 12.74 | 31.18 | 12.90 | 30.67 | 13.18 |
|      | -9.8              | -11.0 | 33.11                  | 12.06 | 32.58 | 12.33 | 32.06 | 12.63 | 31.79 | 12.78 | 31.53 | 12.90 | 31.00 | 13.19 |
|      | -9.5              | -10.0 | 33.30                  | 12.01 | 32.76 | 12.32 | 32.23 | 12.57 | 31.96 | 12.72 | 31.69 | 12.86 | 31.16 | 13.14 |
|      | -8.5              | -9.1  | 33.46                  | 12.03 | 32.92 | 12.32 | 32.38 | 12.59 | 32.11 | 12.73 | 31.84 | 12.86 | 31.29 | 13.15 |
|      | -7.0              | -7.6  | 33.72                  | 12.04 | 33.17 | 12.33 | 32.62 | 12.58 | 32.35 | 12.72 | 32.07 | 12.85 | 31.52 | 13.12 |
|      | -5.0              | -5.6  | 33.48                  | 11.85 | 32.92 | 12.13 | 32.37 | 12.37 | 32.09 | 12.49 | 31.81 | 12.63 | 31.26 | 12.88 |
|      | -3.0              | -3.7  | 34.70                  | 12.03 | 34.13 | 12.29 | 33.55 | 12.55 | 33.26 | 12.65 | 32.97 | 12.79 | 32.39 | 13.06 |
|      | 0.0               | -0.7  | 37.65                  | 12.59 | 37.03 | 12.85 | 36.41 | 13.14 | 36.09 | 13.26 | 35.78 | 13.40 | 35.15 | 13.68 |
|      | 3.0               | 2.2   | 42.25                  | 13.67 | 41.56 | 13.98 | 40.87 | 14.29 | 40.53 | 14.42 | 40.18 | 14.58 | 39.48 | 14.88 |
|      | 5.0               | 4.1   | 45.99                  | 14.60 | 45.25 | 14.94 | 44.52 | 15.25 | 44.14 | 15.41 | 43.77 | 15.58 | 42.72 | 15.26 |
|      | 7.0               | 6.0   | 52.14                  | 16.23 | 51.13 | 16.54 | 50.13 | 16.84 | 50.04 | 17.12 | 49.58 | 17.30 | 48.12 | 16.12 |
|      | 9.0               | 7.9   | 53.80                  | 16.42 | 52.77 | 16.74 | 52.14 | 17.17 | 51.66 | 17.36 | 51.11 | 17.28 | 48.76 | 15.28 |
|      | 11.0              | 9.8   | 55.47                  | 16.62 | 54.41 | 16.94 | 53.78 | 17.40 | 53.27 | 17.48 | 52.27 | 16.53 | 48.76 | 14.25 |
|      | 13.0              | 11.8  | 57.14                  | 16.79 | 56.04 | 17.10 | 55.44 | 17.60 | 54.39 | 16.67 | 53.62 | 15.82 | 48.76 | 13.22 |
|      | 15.0              | 13.7  | 58.81                  | 16.99 | 58.12 | 17.46 | 56.55 | 16.85 | 55.98 | 16.04 | 53.62 | 14.77 | 48.76 | 12.28 |
|      | 18.0              | 16.6  | 58.81                  | 17.76 | 60.13 | 16.85 | 56.55 | 14.61 | 55.98 | 13.83 | 53.62 | 12.65 | 48.76 | 10.62 |
|      | 21.0              | 19.5  | 58.81                  | 16.89 | 60.13 | 15.87 | 56.55 | 13.64 | 55.98 | 12.79 | 53.62 | 11.67 | 48.76 | 9.83  |
|      | 24.0              | 22.4  | 58.81                  | 15.44 | 60.13 | 14.50 | 56.55 | 12.38 | 55.98 | 11.65 | 53.62 | 10.70 | 48.76 | 8.99  |
|      | 27.0              | 25.3  | 58.81                  | 13.80 | 60.13 | 12.89 | 56.55 | 10.91 | 55.98 | 10.44 | 53.62 | 9.71  | 48.76 | 8.18  |
|      | 30.0              | 28.1  | 58.81                  | 12.33 | 60.13 | 11.47 | 56.55 | 9.61  | 55.98 | 9.35  | 53.62 | 8.82  | 48.76 | 7.44  |
| 120% | -30.0             | -30.5 | 30.30                  | 11.36 | 29.72 | 11.70 | 29.14 | 12.01 | 28.85 | 12.21 | 28.56 | 12.40 | 27.97 | 12.76 |
|      | -25.0             | -25.4 | 30.30                  | 11.43 | 29.72 | 11.73 | 29.14 | 12.02 | 28.85 | 12.18 | 28.56 | 12.34 | 27.97 | 12.66 |
|      | -19.8             | -20.0 | 30.30                  | 11.49 | 29.72 | 11.76 | 29.14 | 12.03 | 28.85 | 12.16 | 28.56 | 12.29 | 27.97 | 12.56 |
|      | -18.8             | -19.0 | 30.30                  | 11.48 | 29.72 | 11.75 | 29.14 | 12.01 | 28.85 | 12.13 | 28.78 | 12.36 | 28.26 | 12.66 |
|      | -16.7             | -17.0 | 30.55                  | 11.55 | 30.02 | 11.84 | 29.50 | 12.09 | 29.23 | 12.25 | 28.97 | 12.36 | 28.92 | 12.86 |
|      | -13.7             | -15.0 | 30.75                  | 11.67 | 30.72 | 12.14 | 30.23 | 12.44 | 29.99 | 12.56 | 29.75 | 12.71 | 29.26 | 13.02 |
|      | -11.8             | -13.0 | 31.59                  | 11.90 | 31.09 | 12.18 | 30.59 | 12.47 | 30.34 | 12.60 | 30.09 | 12.74 | 29.59 | 13.04 |
|      | -9.8              | -11.0 | 31.94                  | 11.95 | 31.43 | 12.22 | 30.92 | 12.48 | 30.66 | 12.62 | 30.41 | 12.76 | 29.89 | 13.04 |
|      | -9.5              | -10.0 | 32.12                  | 11.89 | 31.60 | 12.17 | 31.08 | 12.43 | 30.82 | 12.57 | 30.56 | 12.71 | 30.04 | 12.99 |
|      | -8.5              | -9.1  | 32.27                  | 11.92 | 31.74 | 12.20 | 31.22 | 12.45 | 30.96 | 12.59 | 30.69 | 12.73 | 30.16 | 13.00 |
|      | -7.0              | -7.6  | 32.51                  | 11.94 | 31.97 | 12.21 | 31.44 | 12.46 | 31.17 | 12.59 | 30.90 | 12.72 | 30.37 | 12.98 |
|      | -5.0              | -5.6  | 32.25                  | 11.74 | 31.72 | 12.00 | 31.18 | 12.26 | 30.91 | 12.37 | 30.64 | 12.51 | 30.10 | 12.76 |
|      | -3.0              | -3.7  | 33.42                  | 11.90 | 32.87 | 12.16 | 32.31 | 12.42 | 32.03 | 12.55 | 31.75 | 12.68 | 31.19 | 12.94 |
|      | 0.0               | -0.7  | 36.26                  | 12.51 | 35.66 | 12.78 | 35.06 | 13.05 | 34.75 | 13.18 | 34.45 | 13.29 | 33.80 | 13.46 |
|      | 3.0               | 2.2   | 40.72                  | 13.61 | 40.05 | 13.90 | 39.38 | 14.20 | 39.04 | 14.36 | 38.71 | 14.50 | 37.60 | 13.78 |
|      | 5.0               | 4.1   | 44.35                  | 14.55 | 43.64 | 14.87 | 42.92 | 15.20 | 42.55 | 15.36 | 42.08 | 15.28 | 40.50 | 13.73 |
|      | 7.0               | 6.0   | 50.27                  | 16.19 | 49.39 | 16.52 | 48.51 | 16.86 | 48.04 | 16.92 | 47.32 | 16.11 | 40.50 | 12.82 |
|      | 9.0               | 7.9   | 51.91                  | 16.41 | 51.00 | 16.74 | 50.08 | 17.06 | 49.36 | 16.32 | 48.47 | 15.46 | 40.50 | 11.95 |
|      | 11.0              | 9.8   | 53.54                  | 16.61 | 52.60 | 16.97 | 51.42 | 16.44 | 50.48 | 15.62 | 49.50 | 14.73 | 40.50 | 11.12 |
|      | 13.0              | 11.8  | 55.20                  | 16.84 | 54.22 | 17.20 | 52.53 | 15.65 | 51.75 | 14.88 | 49.50 | 13.69 | 40.50 | 10.28 |
|      | 15.0              | 13.7  | 56.84                  | 17.07 | 55.61 | 16.60 | 53.99 | 15.03 | 51.75 | 13.84 | 49.50 | 12.71 | 40.50 | 9.48  |
|      | 18.0              | 16.6  | 58.61                  | 16.39 | 57.49 | 14.89 | 53.99 | 12.87 | 51.75 | 11.74 | 49.50 | 10.92 | 40.50 | 8.51  |
|      | 21.0              | 19.5  | 58.61                  | 15.35 | 57.49 | 13.84 | 53.99 | 11.82 | 51.75 | 10.91 | 49.50 | 10.15 | 40.50 | 7.73  |
|      | 24.0              | 22.4  | 58.61                  | 14.06 | 57.49 | 12.64 | 53.99 | 10.84 | 51.75 | 10.11 | 49.50 | 9.38  | 40.50 | 7.03  |
|      | 27.0              | 25.3  | 58.61                  | 12.51 | 57.49 | 11.15 | 53.99 | 9.82  | 51.75 | 9.15  | 49.50 | 8.49  | 40.50 | 6.28  |
|      | 30.0              | 28.1  | 58.61                  | 11.14 | 57.49 | 9.83  | 53.99 | 8.90  | 51.75 | 8.27  | 49.50 | 7.68  | 40.50 | 5.61  |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

## V8 PRO VRF 50Hz



Table2-8.17:14HP heating capacity(continued)

| CR   | Outdoor air temp. |       | Indoor air temp. °C DB |       |       |       |       |       |       |       |       |       |       |       |
|------|-------------------|-------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|      |                   |       | 16.0                   |       | 18.0  |       | 20.0  |       | 21.0  |       | 22.0  |       | 24.0  |       |
|      | °C DB             | °C WB | TC                     | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    |
| 110% | -30.0             | -30.5 | 28.63                  | 11.00 | 28.07 | 11.35 | 27.52 | 11.70 | 27.25 | 11.86 | 26.97 | 12.06 | 26.42 | 12.40 |
|      | -25.0             | -25.4 | 28.63                  | 11.08 | 28.07 | 11.38 | 27.52 | 11.68 | 27.25 | 11.83 | 26.97 | 11.99 | 26.42 | 12.29 |
|      | -19.8             | -20.0 | 28.63                  | 11.15 | 28.07 | 11.42 | 27.78 | 11.76 | 27.54 | 11.92 | 27.29 | 12.05 | 26.80 | 12.35 |
|      | -18.8             | -19.0 | 28.86                  | 11.24 | 28.37 | 11.53 | 27.87 | 11.78 | 27.63 | 11.93 | 27.38 | 12.08 | 27.34 | 12.56 |
|      | -16.7             | -17.0 | 29.49                  | 11.47 | 29.03 | 11.77 | 28.58 | 12.03 | 28.35 | 12.19 | 28.12 | 12.34 | 27.67 | 12.66 |
|      | -13.7             | -15.0 | 29.85                  | 11.63 | 29.39 | 11.91 | 28.92 | 12.22 | 28.68 | 12.36 | 28.45 | 12.50 | 27.98 | 12.78 |
|      | -11.8             | -13.0 | 30.20                  | 11.69 | 29.72 | 11.95 | 29.23 | 12.24 | 28.99 | 12.37 | 28.75 | 12.52 | 28.27 | 12.82 |
|      | -9.8              | -11.0 | 30.52                  | 11.74 | 30.03 | 12.01 | 29.53 | 12.29 | 29.29 | 12.42 | 29.04 | 12.54 | 28.54 | 12.84 |
|      | -9.5              | -10.0 | 30.68                  | 11.70 | 30.18 | 11.96 | 29.68 | 12.22 | 29.43 | 12.34 | 29.18 | 12.47 | 28.67 | 12.75 |
|      | -8.5              | -9.1  | 30.81                  | 11.72 | 30.31 | 11.97 | 29.80 | 12.25 | 29.55 | 12.36 | 29.29 | 12.50 | 28.79 | 12.77 |
|      | -7.0              | -7.6  | 31.02                  | 11.73 | 30.51 | 11.99 | 30.00 | 12.25 | 29.74 | 12.38 | 29.48 | 12.50 | 28.97 | 12.78 |
|      | -5.0              | -5.6  | 30.75                  | 11.54 | 30.24 | 11.79 | 29.72 | 12.05 | 29.46 | 12.17 | 29.20 | 12.30 | 28.69 | 12.54 |
|      | -3.0              | -3.7  | 31.86                  | 11.74 | 31.33 | 11.98 | 30.79 | 12.23 | 30.52 | 12.36 | 30.25 | 12.48 | 29.59 | 12.38 |
|      | 0.0               | -0.7  | 34.58                  | 12.34 | 34.00 | 12.60 | 33.41 | 12.86 | 33.12 | 13.01 | 32.83 | 13.14 | 31.83 | 12.26 |
|      | 3.0               | 2.2   | 38.85                  | 13.49 | 38.21 | 13.77 | 37.57 | 14.05 | 37.16 | 13.99 | 36.59 | 13.51 | 35.39 | 12.47 |
|      | 5.0               | 4.1   | 42.36                  | 14.44 | 41.66 | 14.75 | 40.90 | 14.90 | 40.20 | 14.22 | 39.48 | 13.52 | 38.04 | 12.29 |
|      | 7.0               | 6.0   | 48.51                  | 16.23 | 47.73 | 16.59 | 45.85 | 15.66 | 45.19 | 14.99 | 44.36 | 14.21 | 38.04 | 11.32 |
|      | 9.0               | 7.9   | 50.10                  | 16.50 | 49.24 | 16.73 | 47.11 | 15.06 | 46.25 | 14.31 | 44.36 | 13.22 | 38.04 | 10.51 |
|      | 11.0              | 9.8   | 51.70                  | 16.74 | 49.75 | 15.89 | 48.17 | 14.38 | 47.44 | 13.70 | 44.36 | 12.33 | 38.04 | 9.71  |
|      | 13.0              | 11.8  | 53.25                  | 16.85 | 51.03 | 15.18 | 49.50 | 13.74 | 47.44 | 12.68 | 44.36 | 11.38 | 38.04 | 9.13  |
|      | 15.0              | 13.7  | 53.74                  | 15.90 | 52.09 | 14.47 | 49.50 | 12.80 | 47.44 | 11.77 | 44.36 | 10.54 | 38.04 | 8.64  |
|      | 18.0              | 16.6  | 55.37                  | 14.16 | 52.09 | 12.32 | 49.50 | 10.92 | 47.44 | 10.22 | 44.36 | 9.35  | 38.04 | 7.67  |
|      | 21.0              | 19.5  | 57.63                  | 13.68 | 52.09 | 11.41 | 49.50 | 10.13 | 47.44 | 9.49  | 44.36 | 8.63  | 38.04 | 6.92  |
|      | 24.0              | 22.4  | 57.63                  | 12.50 | 52.09 | 10.45 | 49.50 | 9.35  | 47.44 | 8.66  | 44.36 | 7.81  | 38.04 | 6.29  |
|      | 27.0              | 25.3  | 57.63                  | 11.03 | 52.09 | 9.47  | 49.50 | 8.49  | 47.44 | 7.87  | 44.36 | 7.03  | 38.04 | 5.70  |
|      | 30.0              | 28.1  | 57.63                  | 9.73  | 52.09 | 8.57  | 49.50 | 7.71  | 47.44 | 7.16  | 44.36 | 6.33  | 38.04 | 5.16  |
| 100% | -30.0             | -30.5 | 28.45                  | 11.30 | 27.91 | 11.60 | 27.36 | 11.96 | 27.09 | 12.17 | 26.81 | 12.36 | 26.27 | 12.70 |
|      | -25.0             | -25.4 | 28.45                  | 11.36 | 27.91 | 11.65 | 27.36 | 11.97 | 27.09 | 12.12 | 26.81 | 12.28 | 26.27 | 12.59 |
|      | -19.8             | -20.0 | 28.45                  | 11.43 | 27.91 | 11.71 | 27.61 | 12.08 | 27.37 | 12.19 | 27.13 | 12.35 | 26.64 | 12.65 |
|      | -18.8             | -19.0 | 28.69                  | 11.52 | 28.20 | 11.81 | 27.71 | 12.09 | 27.46 | 12.22 | 27.62 | 12.55 | 27.19 | 12.88 |
|      | -16.7             | -17.0 | 29.31                  | 11.77 | 28.86 | 12.06 | 28.41 | 12.37 | 28.18 | 12.51 | 27.96 | 12.65 | 27.51 | 12.97 |
|      | -13.7             | -15.0 | 29.67                  | 11.94 | 29.21 | 12.23 | 28.75 | 12.53 | 28.52 | 12.67 | 28.28 | 12.82 | 27.82 | 13.13 |
|      | -11.8             | -13.0 | 30.02                  | 12.01 | 29.54 | 12.28 | 29.06 | 12.57 | 28.82 | 12.73 | 28.59 | 12.86 | 28.11 | 13.16 |
|      | -9.8              | -11.0 | 30.33                  | 12.08 | 29.85 | 12.32 | 29.36 | 12.62 | 29.11 | 12.75 | 28.87 | 12.88 | 28.38 | 13.18 |
|      | -9.5              | -10.0 | 30.48                  | 12.04 | 29.99 | 12.30 | 29.49 | 12.58 | 29.25 | 12.71 | 29.00 | 12.85 | 28.50 | 13.13 |
|      | -8.5              | -9.1  | 30.61                  | 12.06 | 30.11 | 12.34 | 29.61 | 12.60 | 29.36 | 12.73 | 29.11 | 12.88 | 28.61 | 13.15 |
|      | -7.0              | -7.6  | 30.82                  | 12.10 | 30.31 | 12.37 | 29.81 | 12.62 | 29.55 | 12.76 | 29.30 | 12.89 | 28.63 | 12.73 |
|      | -5.0              | -5.6  | 30.55                  | 11.93 | 30.04 | 12.18 | 29.53 | 12.43 | 29.27 | 12.56 | 29.02 | 12.69 | 28.14 | 11.89 |
|      | -3.0              | -3.7  | 31.65                  | 12.12 | 31.12 | 12.38 | 30.59 | 12.64 | 30.32 | 12.77 | 29.95 | 12.58 | 28.93 | 11.51 |
|      | 0.0               | -0.7  | 34.34                  | 12.78 | 33.77 | 13.05 | 33.19 | 13.32 | 32.66 | 12.77 | 32.22 | 12.50 | 31.04 | 11.25 |
|      | 3.0               | 2.2   | 38.59                  | 13.98 | 37.95 | 14.28 | 36.97 | 13.70 | 36.32 | 13.03 | 35.80 | 12.69 | 34.35 | 11.21 |
|      | 5.0               | 4.1   | 42.07                  | 14.98 | 41.20 | 14.90 | 39.85 | 13.67 | 39.11 | 12.96 | 38.48 | 12.51 | 36.55 | 10.93 |
|      | 7.0               | 6.0   | 47.48                  | 16.65 | 46.30 | 15.68 | 45.00 | 14.38 | 39.11 | 12.09 | 38.48 | 11.50 | 36.55 | 10.12 |
|      | 9.0               | 7.9   | 48.88                  | 16.36 | 47.37 | 15.02 | 45.00 | 13.40 | 39.11 | 11.24 | 38.48 | 10.67 | 36.55 | 9.57  |
|      | 11.0              | 9.8   | 50.18                  | 15.76 | 48.75 | 14.43 | 45.00 | 12.46 | 39.11 | 10.43 | 38.48 | 9.85  | 36.55 | 9.04  |
|      | 13.0              | 11.8  | 51.29                  | 15.00 | 48.75 | 13.37 | 45.00 | 11.50 | 39.11 | 9.62  | 38.48 | 9.26  | 36.55 | 8.53  |
|      | 15.0              | 13.7  | 51.29                  | 13.99 | 48.75 | 12.41 | 45.00 | 10.64 | 39.11 | 9.04  | 38.48 | 8.74  | 36.55 | 8.02  |
|      | 18.0              | 16.6  | 51.29                  | 11.86 | 48.75 | 10.68 | 45.00 | 9.49  | 39.11 | 8.07  | 38.48 | 7.76  | 36.55 | 7.09  |
|      | 21.0              | 19.5  | 51.29                  | 10.96 | 48.75 | 9.82  | 45.00 | 8.66  | 39.11 | 7.37  | 38.48 | 6.97  | 36.55 | 6.49  |
|      | 24.0              | 22.4  | 51.29                  | 10.17 | 48.75 | 9.07  | 45.00 | 7.87  | 39.11 | 6.62  | 38.48 | 6.34  | 36.55 | 5.93  |
|      | 27.0              | 25.3  | 51.29                  | 9.21  | 48.75 | 8.26  | 45.00 | 7.01  | 39.11 | 6.01  | 38.48 | 5.76  | 36.55 | 5.36  |
|      | 30.0              | 28.1  | 51.29                  | 8.34  | 48.75 | 7.51  | 45.00 | 6.24  | 39.11 | 5.45  | 38.48 | 5.24  | 36.55 | 4.85  |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.17:14HP heating capacity(continued)

| CR  | Outdoor air temp. |       | Indoor air temp. °C DB |       |       |       |       |       |       |       |       |       |       |       |
|-----|-------------------|-------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|     |                   |       | 16.0                   |       | 18.0  |       | 20.0  |       | 21.0  |       | 22.0  |       | 24.0  |       |
|     | °C DB             | °C WB | TC                     | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    |
| 90% | -30.0             | -30.5 | 25.61                  | 10.49 | 25.12 | 10.83 | 24.62 | 11.11 | 24.38 | 11.28 | 24.13 | 11.43 | 23.64 | 11.56 |
|     | -25.0             | -25.4 | 25.61                  | 10.58 | 25.12 | 10.86 | 24.62 | 11.13 | 24.38 | 11.27 | 24.32 | 11.50 | 23.84 | 11.69 |
|     | -19.8             | -20.0 | 26.56                  | 11.05 | 26.15 | 11.34 | 25.75 | 11.66 | 25.55 | 11.81 | 25.34 | 11.97 | 24.94 | 12.27 |
|     | -18.8             | -19.0 | 26.72                  | 11.12 | 26.31 | 11.41 | 25.90 | 11.70 | 25.69 | 11.86 | 25.49 | 12.00 | 25.08 | 12.30 |
|     | -16.7             | -17.0 | 27.04                  | 11.23 | 26.61 | 11.50 | 26.19 | 11.80 | 25.98 | 11.95 | 25.76 | 12.09 | 25.34 | 12.39 |
|     | -13.7             | -15.0 | 27.33                  | 11.41 | 26.89 | 11.68 | 26.45 | 11.97 | 26.24 | 12.09 | 26.02 | 12.23 | 25.58 | 12.53 |
|     | -11.8             | -13.0 | 27.60                  | 11.49 | 27.15 | 11.75 | 26.70 | 12.02 | 26.48 | 12.16 | 26.26 | 12.29 | 25.76 | 12.45 |
|     | -9.8              | -11.0 | 27.85                  | 11.54 | 27.39 | 11.80 | 26.94 | 12.06 | 26.71 | 12.20 | 26.48 | 12.33 | 25.76 | 11.92 |
|     | -9.5              | -10.0 | 27.97                  | 11.52 | 27.51 | 11.78 | 27.05 | 12.03 | 26.82 | 12.15 | 26.59 | 12.28 | 25.76 | 11.58 |
|     | -8.5              | -9.1  | 28.08                  | 11.54 | 27.61 | 11.79 | 27.15 | 12.04 | 26.91 | 12.18 | 26.67 | 12.26 | 25.76 | 11.32 |
|     | -7.0              | -7.6  | 28.25                  | 11.59 | 27.77 | 11.83 | 27.30 | 12.07 | 27.07 | 12.20 | 26.67 | 11.84 | 25.76 | 10.90 |
|     | -5.0              | -5.6  | 27.96                  | 11.41 | 27.48 | 11.65 | 27.01 | 11.89 | 26.62 | 11.52 | 26.20 | 11.09 | 25.32 | 10.14 |
|     | -3.0              | -3.7  | 28.96                  | 11.60 | 28.47 | 11.84 | 27.82 | 11.59 | 27.39 | 11.14 | 26.96 | 10.70 | 26.03 | 9.76  |
|     | 0.0               | -0.7  | 31.44                  | 12.27 | 30.80 | 12.19 | 29.96 | 11.51 | 29.47 | 11.00 | 28.96 | 10.44 | 27.91 | 9.41  |
|     | 3.0               | 2.2   | 35.32                  | 13.33 | 34.34 | 12.49 | 33.35 | 11.69 | 32.75 | 11.10 | 32.13 | 10.46 | 30.81 | 9.25  |
|     | 5.0               | 4.1   | 38.25                  | 13.53 | 37.08 | 12.46 | 35.91 | 11.50 | 35.20 | 10.83 | 34.06 | 10.12 | 32.89 | 9.37  |
|     | 7.0               | 6.0   | 43.49                  | 14.44 | 41.67 | 13.07 | 40.50 | 11.97 | 35.20 | 10.05 | 34.06 | 9.42  | 32.89 | 8.86  |
|     | 9.0               | 7.9   | 43.99                  | 13.64 | 42.63 | 12.46 | 40.50 | 11.09 | 35.20 | 9.33  | 34.06 | 8.91  | 32.89 | 8.34  |
|     | 11.0              | 9.8   | 45.16                  | 13.06 | 43.95 | 11.92 | 40.50 | 10.29 | 35.20 | 8.82  | 34.06 | 8.40  | 32.89 | 7.85  |
|     | 13.0              | 11.8  | 46.16                  | 12.34 | 43.95 | 10.98 | 40.50 | 9.69  | 35.20 | 8.29  | 34.06 | 7.90  | 32.89 | 7.35  |
| 80% | 15.0              | 13.7  | 47.25                  | 11.73 | 43.95 | 10.25 | 40.50 | 9.13  | 35.20 | 7.81  | 34.06 | 7.44  | 32.89 | 6.93  |
|     | 18.0              | 16.6  | 47.25                  | 10.13 | 43.95 | 9.12  | 40.50 | 8.08  | 35.20 | 6.89  | 34.06 | 6.59  | 32.89 | 6.29  |
|     | 21.0              | 19.5  | 47.25                  | 9.41  | 43.95 | 8.35  | 40.50 | 7.29  | 35.20 | 6.26  | 34.06 | 6.05  | 32.89 | 5.75  |
|     | 24.0              | 22.4  | 47.25                  | 8.59  | 43.95 | 7.55  | 40.50 | 6.62  | 35.20 | 5.72  | 34.06 | 5.51  | 32.89 | 5.26  |
|     | 27.0              | 25.3  | 47.25                  | 7.81  | 43.95 | 6.81  | 40.50 | 6.01  | 35.20 | 5.17  | 34.06 | 4.99  | 32.89 | 4.72  |
|     | 30.0              | 28.1  | 47.25                  | 7.10  | 43.95 | 6.14  | 40.50 | 5.45  | 35.20 | 4.68  | 34.06 | 4.52  | 32.89 | 4.24  |
|     | -30.0             | -30.5 | 22.76                  | 9.70  | 22.33 | 10.00 | 21.89 | 10.30 | 21.67 | 10.44 | 21.45 | 10.50 | 21.01 | 9.85  |
|     | -25.0             | -25.4 | 23.49                  | 10.11 | 23.14 | 10.43 | 22.80 | 10.75 | 22.63 | 10.91 | 22.42 | 11.01 | 21.32 | 10.46 |
|     | -19.8             | -20.0 | 24.24                  | 10.53 | 23.86 | 10.81 | 23.49 | 11.10 | 23.30 | 11.25 | 23.11 | 11.39 | 22.73 | 11.67 |
|     | -18.8             | -19.0 | 24.37                  | 10.59 | 23.99 | 10.87 | 23.60 | 11.14 | 23.41 | 11.29 | 23.22 | 11.42 | 22.84 | 11.73 |
|     | -16.7             | -17.0 | 24.61                  | 10.70 | 24.22 | 10.96 | 23.82 | 11.24 | 23.62 | 11.38 | 23.43 | 11.52 | 22.90 | 11.44 |
|     | -13.7             | -15.0 | 24.84                  | 10.87 | 24.43 | 11.13 | 24.03 | 11.40 | 23.83 | 11.54 | 23.63 | 11.67 | 22.90 | 11.07 |
|     | -11.8             | -13.0 | 25.05                  | 10.94 | 24.64 | 11.19 | 24.23 | 11.43 | 24.02 | 11.56 | 23.70 | 11.37 | 22.90 | 10.57 |
|     | -9.8              | -11.0 | 25.25                  | 11.01 | 24.83 | 11.23 | 24.41 | 11.48 | 24.08 | 11.26 | 23.70 | 10.89 | 22.90 | 10.06 |
|     | -9.5              | -10.0 | 25.35                  | 10.97 | 24.92 | 11.20 | 24.46 | 11.33 | 24.08 | 10.98 | 23.70 | 10.57 | 22.90 | 9.76  |
|     | -8.5              | -9.1  | 25.43                  | 11.00 | 25.00 | 11.23 | 24.46 | 11.10 | 24.08 | 10.72 | 23.70 | 10.33 | 22.90 | 9.53  |
|     | -7.0              | -7.6  | 25.57                  | 11.04 | 25.13 | 11.27 | 24.46 | 10.73 | 24.08 | 10.35 | 23.70 | 9.95  | 22.90 | 9.15  |
|     | -5.0              | -5.6  | 25.27                  | 10.88 | 24.74 | 10.74 | 24.03 | 10.01 | 23.66 | 9.64  | 23.29 | 9.25  | 22.51 | 8.46  |
|     | -3.0              | -3.7  | 26.17                  | 11.10 | 25.47 | 10.40 | 24.73 | 9.67  | 24.35 | 9.29  | 23.95 | 8.90  | 23.14 | 8.10  |
|     | 0.0               | -0.7  | 28.23                  | 11.06 | 27.37 | 10.35 | 26.55 | 9.45  | 26.13 | 8.93  | 25.69 | 8.53  | 24.78 | 7.90  |
|     | 3.0               | 2.2   | 31.53                  | 11.35 | 30.46 | 10.53 | 29.49 | 9.38  | 28.99 | 8.83  | 28.48 | 8.52  | 27.39 | 8.06  |
|     | 5.0               | 4.1   | 34.08                  | 11.26 | 32.97 | 10.19 | 31.86 | 9.24  | 31.28 | 8.96  | 30.27 | 8.59  | 29.24 | 8.11  |
|     | 7.0               | 6.0   | 38.66                  | 11.74 | 37.04 | 10.63 | 36.00 | 9.88  | 34.47 | 9.37  | 32.97 | 8.84  | 29.98 | 7.78  |
|     | 9.0               | 7.9   | 39.10                  | 11.02 | 37.90 | 10.06 | 36.00 | 9.50  | 34.47 | 8.82  | 32.97 | 8.32  | 29.98 | 7.32  |
|     | 11.0              | 9.8   | 40.14                  | 10.49 | 39.02 | 9.80  | 36.00 | 8.82  | 34.47 | 8.32  | 32.97 | 7.88  | 29.98 | 6.89  |
|     | 13.0              | 11.8  | 41.03                  | 9.94  | 39.02 | 9.21  | 36.00 | 8.31  | 34.47 | 7.79  | 32.97 | 7.35  | 29.98 | 6.49  |
|     | 15.0              | 13.7  | 42.23                  | 9.64  | 39.02 | 8.65  | 36.00 | 7.81  | 34.47 | 7.38  | 32.97 | 6.89  | 29.98 | 6.11  |
|     | 18.0              | 16.6  | 42.23                  | 8.55  | 39.02 | 7.61  | 36.00 | 6.90  | 34.47 | 6.59  | 32.97 | 6.30  | 29.98 | 5.67  |
|     | 21.0              | 19.5  | 42.23                  | 7.81  | 39.02 | 6.92  | 36.00 | 6.30  | 34.47 | 6.02  | 32.97 | 5.76  | 29.98 | 5.18  |
|     | 24.0              | 22.4  | 42.23                  | 7.00  | 39.02 | 6.30  | 36.00 | 5.76  | 34.47 | 5.50  | 32.97 | 5.21  | 29.98 | 4.69  |
|     | 27.0              | 25.3  | 42.23                  | 6.35  | 39.02 | 5.70  | 36.00 | 5.21  | 34.47 | 4.98  | 32.97 | 4.67  | 29.98 | 4.16  |
|     | 30.0              | 28.1  | 42.23                  | 5.76  | 39.02 | 5.16  | 36.00 | 4.71  | 34.47 | 4.50  | 32.97 | 4.19  | 29.98 | 3.70  |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...



## V8 PRO VRF 50Hz



Table2-8.17:14HP heating capacity(continued)

| CR  | Outdoor air temp. |       | Indoor air temp. °C DB |       |       |       |       |       |       |       |       |       |       |       |
|-----|-------------------|-------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|     |                   |       | 16.0                   |       | 18.0  |       | 20.0  |       | 21.0  |       | 22.0  |       | 24.0  |       |
|     | °C DB             | °C WB | TC                     | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    |
| 70% | -30.0             | -30.5 | 20.57                  | 9.19  | 20.27 | 9.54  | 19.87 | 9.65  | 19.15 | 9.09  | 18.77 | 8.70  | 18.39 | 8.61  |
|     | -25.0             | -25.4 | 21.20                  | 9.60  | 20.88 | 9.91  | 20.51 | 10.10 | 20.19 | 9.93  | 19.86 | 9.75  | 19.16 | 9.35  |
|     | -19.8             | -20.0 | 21.77                  | 9.99  | 21.42 | 10.25 | 21.07 | 10.52 | 20.90 | 10.66 | 20.73 | 10.78 | 20.04 | 10.18 |
|     | -18.8             | -19.0 | 21.86                  | 10.05 | 21.51 | 10.29 | 21.16 | 10.57 | 20.98 | 10.69 | 20.74 | 10.64 | 20.04 | 9.96  |
|     | -16.7             | -17.0 | 22.05                  | 10.17 | 21.69 | 10.40 | 21.33 | 10.66 | 21.07 | 10.58 | 20.74 | 10.25 | 20.04 | 9.57  |
|     | -13.7             | -15.0 | 22.22                  | 10.31 | 21.85 | 10.56 | 21.40 | 10.54 | 21.07 | 10.23 | 20.74 | 9.88  | 20.04 | 9.21  |
|     | -11.8             | -13.0 | 22.39                  | 10.39 | 22.01 | 10.62 | 21.40 | 10.09 | 21.07 | 9.77  | 20.74 | 9.42  | 20.04 | 8.74  |
|     | -9.8              | -11.0 | 22.54                  | 10.44 | 22.04 | 10.25 | 21.40 | 9.62  | 21.07 | 9.31  | 20.74 | 8.96  | 20.04 | 8.27  |
|     | -9.5              | -10.0 | 22.61                  | 10.42 | 22.04 | 9.98  | 21.40 | 9.35  | 21.07 | 9.01  | 20.74 | 8.67  | 20.04 | 8.00  |
|     | -8.5              | -9.1  | 22.65                  | 10.39 | 22.04 | 9.76  | 21.40 | 9.15  | 21.07 | 8.81  | 20.74 | 8.49  | 20.04 | 7.80  |
|     | -7.0              | -7.6  | 22.65                  | 10.03 | 22.04 | 9.41  | 21.40 | 8.78  | 21.07 | 8.44  | 20.74 | 8.11  | 20.04 | 7.47  |
|     | -5.0              | -5.6  | 22.24                  | 9.36  | 21.64 | 8.76  | 21.02 | 8.15  | 20.70 | 7.83  | 20.38 | 7.51  | 19.69 | 7.04  |
|     | -3.0              | -3.7  | 22.91                  | 9.05  | 22.28 | 8.45  | 21.64 | 7.82  | 21.30 | 7.48  | 20.96 | 7.23  | 20.25 | 6.85  |
|     | 0.0               | -0.7  | 24.64                  | 8.92  | 23.95 | 8.15  | 23.23 | 7.47  | 22.86 | 7.30  | 22.48 | 7.10  | 21.68 | 6.72  |
|     | 3.0               | 2.2   | 27.47                  | 8.96  | 26.65 | 8.05  | 25.81 | 7.67  | 25.37 | 7.46  | 24.92 | 7.23  | 23.97 | 6.85  |
|     | 5.0               | 4.1   | 29.75                  | 8.81  | 28.83 | 8.22  | 27.87 | 7.82  | 27.37 | 7.60  | 26.49 | 7.30  | 25.58 | 6.90  |
|     | 7.0               | 6.0   | 33.82                  | 9.32  | 32.41 | 8.74  | 31.47 | 8.35  | 30.16 | 7.83  | 28.85 | 7.40  | 26.24 | 6.53  |
|     | 9.0               | 7.9   | 34.21                  | 8.89  | 33.16 | 8.39  | 31.47 | 7.79  | 30.16 | 7.39  | 28.85 | 6.93  | 26.24 | 6.17  |
|     | 11.0              | 9.8   | 35.12                  | 8.64  | 34.09 | 8.13  | 31.47 | 7.35  | 30.16 | 6.91  | 28.85 | 6.54  | 26.24 | 5.86  |
|     | 13.0              | 11.8  | 35.90                  | 8.32  | 34.09 | 7.67  | 31.47 | 6.87  | 30.16 | 6.50  | 28.85 | 6.19  | 26.24 | 5.73  |
| 60% | 15.0              | 13.7  | 36.72                  | 8.00  | 34.09 | 7.23  | 31.47 | 6.48  | 30.16 | 6.23  | 28.85 | 5.88  | 26.24 | 5.28  |
|     | 18.0              | 16.6  | 36.72                  | 6.99  | 34.09 | 6.48  | 31.47 | 5.94  | 30.16 | 5.67  | 28.85 | 5.44  | 26.24 | 4.90  |
|     | 21.0              | 19.5  | 36.72                  | 6.42  | 34.09 | 5.91  | 31.47 | 5.47  | 30.16 | 5.17  | 28.85 | 4.95  | 26.24 | 4.45  |
|     | 24.0              | 22.4  | 36.72                  | 5.84  | 34.09 | 5.39  | 31.47 | 4.94  | 30.16 | 4.68  | 28.85 | 4.50  | 26.24 | 3.98  |
|     | 27.0              | 25.3  | 36.72                  | 5.27  | 34.09 | 4.84  | 31.47 | 4.39  | 30.16 | 4.18  | 28.85 | 3.95  | 26.24 | 3.53  |
|     | 30.0              | 28.1  | 36.72                  | 4.76  | 34.09 | 4.34  | 31.47 | 3.90  | 30.16 | 3.72  | 28.85 | 3.46  | 26.24 | 3.14  |
|     | -30.0             | -30.5 | 18.26                  | 8.75  | 17.66 | 8.33  | 17.05 | 7.99  | 16.78 | 7.92  | 16.29 | 7.70  | 15.76 | 7.55  |
|     | -25.0             | -25.4 | 18.73                  | 9.11  | 18.29 | 9.02  | 17.76 | 8.69  | 17.48 | 8.54  | 17.19 | 8.35  | 16.59 | 7.99  |
|     | -19.8             | -20.0 | 19.14                  | 9.45  | 18.83 | 9.71  | 18.34 | 9.38  | 18.06 | 9.13  | 17.77 | 8.86  | 17.17 | 8.31  |
|     | -18.8             | -19.0 | 19.21                  | 9.49  | 18.89 | 9.72  | 18.34 | 9.19  | 18.06 | 8.95  | 17.77 | 8.68  | 17.17 | 8.12  |
|     | -16.7             | -17.0 | 19.35                  | 9.61  | 18.89 | 9.37  | 18.34 | 8.85  | 18.06 | 8.59  | 17.77 | 8.30  | 17.17 | 7.74  |
|     | -13.7             | -15.0 | 19.42                  | 9.54  | 18.89 | 9.04  | 18.34 | 8.52  | 18.06 | 8.25  | 17.77 | 7.98  | 17.17 | 7.40  |
|     | -11.8             | -13.0 | 19.42                  | 9.14  | 18.89 | 8.63  | 18.34 | 8.09  | 18.06 | 7.84  | 17.77 | 7.56  | 17.17 | 7.02  |
|     | -9.8              | -11.0 | 19.42                  | 8.70  | 18.89 | 8.20  | 18.34 | 7.67  | 18.06 | 7.41  | 17.77 | 7.11  | 17.17 | 6.77  |
|     | -9.5              | -10.0 | 19.42                  | 8.47  | 18.89 | 7.95  | 18.34 | 7.42  | 18.06 | 7.17  | 17.77 | 6.89  | 17.17 | 6.58  |
|     | -8.5              | -9.1  | 19.42                  | 8.28  | 18.89 | 7.76  | 18.34 | 7.24  | 18.06 | 6.97  | 17.77 | 6.77  | 17.17 | 6.50  |
|     | -7.0              | -7.6  | 19.42                  | 7.96  | 18.89 | 7.45  | 18.34 | 6.92  | 18.06 | 6.72  | 17.77 | 6.56  | 17.17 | 6.29  |
|     | -5.0              | -5.6  | 19.06                  | 7.38  | 18.55 | 6.87  | 18.02 | 6.46  | 17.75 | 6.32  | 17.46 | 6.19  | 16.88 | 5.88  |
|     | -3.0              | -3.7  | 19.63                  | 7.07  | 19.10 | 6.59  | 18.55 | 6.29  | 18.26 | 6.18  | 17.97 | 6.04  | 17.35 | 5.75  |
|     | 0.0               | -0.7  | 21.12                  | 6.78  | 20.53 | 6.51  | 19.91 | 6.22  | 19.60 | 6.09  | 19.27 | 5.95  | 18.58 | 5.71  |
|     | 3.0               | 2.2   | 23.54                  | 6.97  | 22.85 | 6.67  | 22.12 | 6.37  | 21.74 | 6.21  | 21.36 | 6.05  | 20.54 | 5.87  |
|     | 5.0               | 4.1   | 25.50                  | 7.14  | 24.71 | 6.82  | 23.89 | 6.50  | 23.46 | 6.34  | 22.70 | 6.15  | 21.93 | 5.98  |
|     | 7.0               | 6.0   | 28.99                  | 7.68  | 27.78 | 7.20  | 26.98 | 6.76  | 25.85 | 6.43  | 24.73 | 6.14  | 22.48 | 5.49  |
|     | 9.0               | 7.9   | 29.32                  | 7.26  | 28.42 | 6.88  | 26.98 | 6.55  | 25.85 | 6.07  | 24.73 | 5.93  | 22.48 | 5.23  |
|     | 11.0              | 9.8   | 30.10                  | 7.00  | 29.22 | 6.61  | 26.98 | 6.06  | 25.85 | 5.78  | 24.73 | 5.49  | 22.48 | 4.94  |
|     | 13.0              | 11.8  | 30.78                  | 6.71  | 29.22 | 6.34  | 26.98 | 5.75  | 25.85 | 5.45  | 24.73 | 5.20  | 22.48 | 4.66  |
|     | 15.0              | 13.7  | 31.47                  | 6.54  | 29.22 | 5.93  | 26.98 | 5.44  | 25.85 | 5.22  | 24.73 | 4.93  | 22.48 | 4.43  |
|     | 18.0              | 16.6  | 31.47                  | 5.88  | 29.22 | 5.48  | 26.98 | 4.98  | 25.85 | 4.72  | 24.73 | 4.55  | 22.48 | 4.07  |
|     | 21.0              | 19.5  | 31.47                  | 5.43  | 29.22 | 5.00  | 26.98 | 4.54  | 25.85 | 4.35  | 24.73 | 4.11  | 22.48 | 3.74  |
|     | 24.0              | 22.4  | 31.47                  | 4.91  | 29.22 | 4.51  | 26.98 | 4.19  | 25.85 | 3.92  | 24.73 | 3.76  | 22.48 | 3.30  |
|     | 27.0              | 25.3  | 31.47                  | 4.38  | 29.22 | 4.00  | 26.98 | 3.61  | 25.85 | 3.45  | 24.73 | 3.29  | 22.48 | 2.90  |
|     | 30.0              | 28.1  | 31.47                  | 3.91  | 29.22 | 3.54  | 26.98 | 3.11  | 25.85 | 3.04  | 24.73 | 2.88  | 22.48 | 2.55  |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.17:14HP heating capacity(continued)

| CR  | Outdoor air temp. |       | Indoor air temp. °C DB |      |       |      |       |      |       |      |       |      |       |      |
|-----|-------------------|-------|------------------------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
|     |                   |       | 16.0                   |      | 18.0  |      | 20.0  |      | 21.0  |      | 22.0  |      | 24.0  |      |
|     |                   |       | TC                     | PI   | TC    | PI   | TC    | PI   | TC    | PI   | TC    | PI   | TC    | PI   |
| 50% | °C DB             | °C WB | kW                     | kW   | kW    | kW   | kW    | kW   | kW    | kW   | kW    | kW   | kW    | kW   |
|     | -30.0             | -30.5 | 15.42                  | 7.43 | 15.00 | 7.27 | 14.55 | 7.07 | 14.32 | 6.97 | 14.10 | 6.90 | 13.60 | 6.67 |
|     | -25.0             | -25.4 | 15.83                  | 7.82 | 15.40 | 7.55 | 14.94 | 7.25 | 14.71 | 7.09 | 14.48 | 6.95 | 13.98 | 6.61 |
|     | -19.8             | -20.0 | 16.18                  | 8.20 | 15.74 | 7.80 | 15.29 | 7.41 | 15.05 | 7.19 | 14.81 | 6.97 | 14.31 | 6.53 |
|     | -18.8             | -19.0 | 16.18                  | 8.04 | 15.74 | 7.66 | 15.29 | 7.22 | 15.05 | 7.01 | 14.81 | 6.81 | 14.31 | 6.43 |
|     | -16.7             | -17.0 | 16.18                  | 7.73 | 15.74 | 7.32 | 15.29 | 6.90 | 15.05 | 6.68 | 14.81 | 6.45 | 14.31 | 6.22 |
|     | -13.7             | -15.0 | 16.18                  | 7.42 | 15.74 | 7.03 | 15.29 | 6.61 | 15.05 | 6.37 | 14.81 | 6.27 | 14.31 | 6.06 |
|     | -11.8             | -13.0 | 16.18                  | 7.05 | 15.74 | 6.64 | 15.29 | 6.27 | 15.05 | 6.16 | 14.81 | 6.04 | 14.31 | 5.82 |
|     | -9.8              | -11.0 | 16.18                  | 6.67 | 15.74 | 6.27 | 15.29 | 6.02 | 15.05 | 5.90 | 14.81 | 5.80 | 14.31 | 5.57 |
|     | -9.5              | -10.0 | 16.18                  | 6.45 | 15.74 | 6.10 | 15.29 | 5.87 | 15.05 | 5.76 | 14.81 | 5.64 | 14.31 | 5.43 |
|     | -8.5              | -9.1  | 16.18                  | 6.30 | 15.74 | 5.98 | 15.29 | 5.78 | 15.05 | 5.65 | 14.81 | 5.55 | 14.31 | 5.32 |
|     | -7.0              | -7.6  | 16.18                  | 6.02 | 15.74 | 5.80 | 15.29 | 5.59 | 15.05 | 5.47 | 14.81 | 5.37 | 14.31 | 5.17 |
|     | -5.0              | -5.6  | 15.89                  | 5.66 | 15.46 | 5.46 | 15.02 | 5.25 | 14.79 | 5.14 | 14.55 | 5.05 | 14.07 | 4.90 |
|     | -3.0              | -3.7  | 16.36                  | 5.53 | 15.92 | 5.32 | 15.45 | 5.12 | 15.22 | 5.01 | 14.97 | 4.94 | 14.46 | 4.83 |
|     | 0.0               | -0.7  | 17.60                  | 5.45 | 17.11 | 5.24 | 16.59 | 5.06 | 16.33 | 4.99 | 16.06 | 4.93 | 15.49 | 4.81 |
|     | 3.0               | 2.2   | 19.62                  | 5.59 | 19.04 | 5.38 | 18.43 | 5.23 | 18.12 | 5.18 | 17.80 | 5.12 | 17.12 | 4.97 |
|     | 5.0               | 4.1   | 21.25                  | 5.73 | 20.60 | 5.55 | 19.91 | 5.39 | 19.56 | 5.32 | 18.92 | 5.07 | 18.27 | 4.81 |
|     | 7.0               | 6.0   | 24.16                  | 5.98 | 23.15 | 5.72 | 22.48 | 5.48 | 21.56 | 5.35 | 20.61 | 5.00 | 18.74 | 4.52 |
|     | 9.0               | 7.9   | 24.44                  | 5.72 | 23.68 | 5.51 | 22.48 | 5.20 | 21.56 | 4.97 | 20.61 | 4.76 | 18.74 | 4.28 |
|     | 11.0              | 9.8   | 25.09                  | 5.75 | 24.36 | 5.39 | 22.48 | 4.93 | 21.56 | 4.69 | 20.61 | 4.48 | 18.74 | 4.05 |
|     | 13.0              | 11.8  | 25.65                  | 5.45 | 24.36 | 5.10 | 22.48 | 4.66 | 21.56 | 4.46 | 20.61 | 4.25 | 18.74 | 3.81 |
|     | 15.0              | 13.7  | 26.24                  | 5.24 | 24.36 | 4.84 | 22.48 | 4.41 | 21.56 | 4.21 | 20.61 | 4.05 | 18.74 | 3.63 |
|     | 18.0              | 16.6  | 26.24                  | 4.79 | 24.36 | 4.40 | 22.48 | 4.03 | 21.56 | 3.90 | 20.61 | 3.68 | 18.74 | 3.45 |
|     | 21.0              | 19.5  | 26.24                  | 4.35 | 24.36 | 4.00 | 22.48 | 3.66 | 21.56 | 3.52 | 20.61 | 3.34 | 18.74 | 3.01 |
|     | 24.0              | 22.4  | 26.24                  | 3.92 | 24.36 | 3.58 | 22.48 | 3.27 | 21.56 | 3.10 | 20.61 | 2.95 | 18.74 | 2.66 |
|     | 27.0              | 25.3  | 26.24                  | 3.45 | 24.36 | 3.16 | 22.48 | 2.87 | 21.56 | 2.73 | 20.61 | 2.60 | 18.74 | 2.35 |
|     | 30.0              | 28.1  | 26.24                  | 3.04 | 24.36 | 2.79 | 22.48 | 2.51 | 21.56 | 2.40 | 20.61 | 2.28 | 18.74 | 2.08 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

## V8 PRO VRF 50Hz



Table2-8.18:16HP heating capacity

| CR   | Outdoor air temp. |       | Indoor air temp. °C DB |       |       |       |       |       |       |       |       |       |       |       |
|------|-------------------|-------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|      |                   |       | 16.0                   |       | 18.0  |       | 20.0  |       | 21.0  |       | 22.0  |       | 24.0  |       |
|      | °C DB             | °C WB | TC                     | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    |
| 130% | -30.0             | -30.5 | 35.22                  | 12.93 | 34.54 | 13.36 | 33.87 | 13.74 | 33.53 | 13.96 | 33.19 | 14.13 | 32.51 | 14.59 |
|      | -25.0             | -25.4 | 35.22                  | 13.03 | 34.54 | 13.40 | 33.87 | 13.74 | 33.53 | 13.93 | 33.19 | 14.09 | 32.51 | 14.46 |
|      | -19.8             | -20.0 | 35.22                  | 13.13 | 34.54 | 13.43 | 33.87 | 13.74 | 33.53 | 13.90 | 33.19 | 14.04 | 32.51 | 14.34 |
|      | -18.8             | -19.0 | 35.22                  | 13.14 | 34.54 | 13.42 | 33.87 | 13.72 | 33.53 | 13.86 | 33.19 | 14.00 | 32.51 | 14.31 |
|      | -16.7             | -17.0 | 35.22                  | 13.09 | 34.54 | 13.39 | 33.87 | 13.65 | 33.53 | 13.79 | 33.19 | 13.94 | 32.51 | 14.23 |
|      | -13.7             | -15.0 | 35.22                  | 13.12 | 34.54 | 13.40 | 34.15 | 13.78 | 33.84 | 13.93 | 33.54 | 14.06 | 32.93 | 14.37 |
|      | -11.8             | -13.0 | 35.60                  | 13.17 | 34.99 | 13.45 | 34.37 | 13.74 | 34.59 | 14.12 | 34.31 | 14.27 | 33.75 | 14.60 |
|      | -9.8              | -11.0 | 36.44                  | 13.37 | 35.86 | 13.68 | 35.29 | 13.99 | 35.00 | 14.15 | 34.71 | 14.30 | 34.13 | 14.62 |
|      | -9.5              | -10.0 | 36.65                  | 13.30 | 36.07 | 13.63 | 35.49 | 13.95 | 35.19 | 14.08 | 34.90 | 14.24 | 34.32 | 14.56 |
|      | -8.5              | -9.1  | 36.84                  | 13.34 | 36.25 | 13.66 | 35.66 | 13.96 | 35.36 | 14.10 | 35.07 | 14.25 | 34.48 | 14.58 |
|      | -7.0              | -7.6  | 37.14                  | 13.37 | 36.54 | 13.65 | 35.94 | 13.95 | 35.64 | 14.10 | 35.34 | 14.25 | 34.73 | 14.56 |
|      | -5.0              | -5.6  | 36.90                  | 13.15 | 36.29 | 13.45 | 35.69 | 13.73 | 35.38 | 13.87 | 35.08 | 14.02 | 34.47 | 14.31 |
|      | -3.0              | -3.7  | 38.25                  | 13.33 | 37.62 | 13.62 | 36.99 | 13.91 | 36.67 | 14.06 | 36.36 | 14.20 | 35.72 | 14.50 |
|      | 0.0               | -0.7  | 41.49                  | 13.97 | 40.81 | 14.28 | 40.13 | 14.59 | 39.79 | 14.74 | 39.45 | 14.88 | 38.76 | 15.19 |
|      | 3.0               | 2.2   | 46.52                  | 15.18 | 45.77 | 15.51 | 45.02 | 15.84 | 44.64 | 16.00 | 44.26 | 16.16 | 43.50 | 16.50 |
|      | 5.0               | 4.1   | 50.61                  | 16.18 | 49.80 | 16.52 | 49.00 | 16.90 | 48.59 | 17.05 | 48.18 | 17.26 | 47.12 | 17.10 |
|      | 7.0               | 6.0   | 57.93                  | 18.15 | 56.81 | 18.48 | 55.70 | 18.80 | 55.14 | 19.00 | 54.59 | 19.15 | 53.47 | 18.53 |
|      | 9.0               | 7.9   | 59.78                  | 18.36 | 58.63 | 18.72 | 57.48 | 19.06 | 56.91 | 19.22 | 56.33 | 19.15 | 53.47 | 17.65 |
|      | 11.0              | 9.8   | 61.64                  | 18.56 | 60.45 | 18.92 | 59.26 | 19.28 | 58.67 | 19.40 | 58.08 | 18.82 | 54.18 | 16.80 |
|      | 13.0              | 11.8  | 63.49                  | 18.77 | 62.27 | 19.13 | 61.05 | 19.52 | 60.44 | 19.04 | 58.08 | 17.91 | 54.18 | 15.61 |
|      | 15.0              | 13.7  | 65.34                  | 18.97 | 64.09 | 19.35 | 62.83 | 19.19 | 61.62 | 18.51 | 59.60 | 17.50 | 54.18 | 14.53 |
|      | 18.0              | 16.6  | 68.12                  | 19.29 | 66.81 | 19.46 | 62.83 | 16.98 | 61.62 | 15.97 | 59.60 | 14.80 | 54.18 | 12.20 |
|      | 21.0              | 19.5  | 70.90                  | 19.62 | 67.69 | 18.68 | 62.83 | 15.97 | 61.62 | 14.94 | 59.60 | 13.80 | 54.18 | 11.32 |
|      | 24.0              | 22.4  | 72.90                  | 19.13 | 67.69 | 17.13 | 62.83 | 14.57 | 61.62 | 13.63 | 59.60 | 12.52 | 54.18 | 10.49 |
|      | 27.0              | 25.3  | 72.90                  | 18.04 | 67.69 | 15.38 | 62.83 | 12.98 | 61.62 | 12.11 | 59.60 | 11.13 | 54.18 | 9.53  |
|      | 30.0              | 28.1  | 72.90                  | 17.01 | 67.69 | 13.80 | 62.83 | 11.56 | 61.62 | 10.75 | 59.60 | 9.90  | 54.18 | 8.66  |
| 120% | -30.0             | -30.5 | 33.67                  | 12.68 | 33.02 | 13.09 | 32.38 | 13.44 | 32.05 | 13.67 | 31.73 | 13.85 | 31.08 | 14.28 |
|      | -25.0             | -25.4 | 33.67                  | 12.78 | 33.02 | 13.13 | 32.38 | 13.46 | 32.05 | 13.64 | 31.73 | 13.81 | 31.08 | 14.16 |
|      | -19.8             | -20.0 | 33.67                  | 12.88 | 33.02 | 13.18 | 32.38 | 13.47 | 32.05 | 13.61 | 31.73 | 13.77 | 31.08 | 14.05 |
|      | -18.8             | -19.0 | 33.67                  | 12.85 | 33.02 | 13.14 | 32.38 | 13.43 | 32.05 | 13.58 | 31.73 | 13.72 | 31.08 | 14.02 |
|      | -16.7             | -17.0 | 33.67                  | 12.81 | 33.02 | 13.09 | 32.38 | 13.36 | 32.31 | 13.63 | 32.02 | 13.78 | 31.44 | 14.09 |
|      | -13.7             | -15.0 | 33.99                  | 13.00 | 33.41 | 13.28 | 32.82 | 13.59 | 32.52 | 13.70 | 32.73 | 14.08 | 32.20 | 14.44 |
|      | -11.8             | -13.0 | 34.75                  | 13.18 | 34.21 | 13.49 | 33.67 | 13.80 | 33.40 | 13.97 | 33.12 | 14.14 | 32.58 | 14.46 |
|      | -9.8              | -11.0 | 35.17                  | 13.24 | 34.61 | 13.55 | 34.05 | 13.83 | 33.77 | 14.00 | 33.49 | 14.17 | 32.93 | 14.48 |
|      | -9.5              | -10.0 | 35.37                  | 13.20 | 34.80 | 13.49 | 34.23 | 13.80 | 33.95 | 13.94 | 33.66 | 14.09 | 33.10 | 14.41 |
|      | -8.5              | -9.1  | 35.54                  | 13.23 | 34.97 | 13.51 | 34.39 | 13.81 | 34.11 | 13.98 | 33.82 | 14.12 | 33.24 | 14.40 |
|      | -7.0              | -7.6  | 35.82                  | 13.23 | 35.23 | 13.55 | 34.65 | 13.83 | 34.36 | 13.97 | 34.07 | 14.11 | 33.48 | 14.40 |
|      | -5.0              | -5.6  | 35.56                  | 13.03 | 34.97 | 13.30 | 34.39 | 13.59 | 34.09 | 13.74 | 33.80 | 13.89 | 33.20 | 14.15 |
|      | -3.0              | -3.7  | 36.85                  | 13.22 | 36.25 | 13.50 | 35.63 | 13.78 | 35.33 | 13.91 | 35.02 | 14.07 | 34.41 | 14.35 |
|      | 0.0               | -0.7  | 39.98                  | 13.89 | 39.32 | 14.18 | 38.66 | 14.47 | 38.33 | 14.61 | 37.99 | 14.79 | 37.27 | 14.94 |
|      | 3.0               | 2.2   | 44.85                  | 15.12 | 44.13 | 15.43 | 43.39 | 15.77 | 43.02 | 15.92 | 42.65 | 16.09 | 41.63 | 15.76 |
|      | 5.0               | 4.1   | 48.83                  | 16.13 | 48.05 | 16.49 | 47.26 | 16.83 | 46.86 | 17.01 | 46.34 | 16.94 | 45.00 | 16.09 |
|      | 7.0               | 6.0   | 55.38                  | 17.97 | 54.31 | 18.28 | 53.25 | 18.63 | 52.72 | 18.70 | 52.19 | 18.19 | 50.02 | 16.76 |
|      | 9.0               | 7.9   | 57.15                  | 18.18 | 56.05 | 18.56 | 54.95 | 18.85 | 54.40 | 18.46 | 53.85 | 17.91 | 50.02 | 15.67 |
|      | 11.0              | 9.8   | 58.92                  | 18.43 | 57.79 | 18.77 | 56.66 | 18.62 | 56.09 | 18.15 | 55.03 | 17.41 | 50.02 | 14.57 |
|      | 13.0              | 11.8  | 60.70                  | 18.64 | 59.53 | 19.00 | 58.36 | 18.28 | 56.09 | 17.15 | 55.03 | 16.18 | 50.02 | 13.51 |
|      | 15.0              | 13.7  | 62.47                  | 18.89 | 61.27 | 18.69 | 60.03 | 17.83 | 57.52 | 16.43 | 55.03 | 15.11 | 50.02 | 12.53 |
|      | 18.0              | 16.6  | 65.13                  | 18.92 | 61.27 | 16.60 | 60.03 | 15.08 | 57.52 | 13.84 | 55.03 | 12.68 | 50.02 | 10.77 |
|      | 21.0              | 19.5  | 67.29                  | 18.50 | 61.27 | 15.57 | 60.03 | 14.09 | 57.52 | 12.82 | 55.03 | 11.70 | 50.02 | 10.00 |
|      | 24.0              | 22.4  | 67.29                  | 17.00 | 61.27 | 14.28 | 60.03 | 12.80 | 57.52 | 11.66 | 55.03 | 10.82 | 50.02 | 9.20  |
|      | 27.0              | 25.3  | 67.29                  | 15.28 | 61.27 | 12.74 | 60.03 | 11.34 | 57.52 | 10.56 | 55.03 | 9.81  | 50.02 | 8.38  |
|      | 30.0              | 28.1  | 67.29                  | 13.73 | 61.27 | 11.37 | 60.03 | 10.05 | 57.52 | 9.57  | 55.03 | 8.90  | 50.02 | 7.64  |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.18:16HP heating capacity(continued)

| CR   | Outdoor air temp. |       | Indoor air temp. °C DB |       |       |       |       |       |       |       |       |       |       |       |
|------|-------------------|-------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|      |                   |       | 16.0                   |       | 18.0  |       | 20.0  |       | 21.0  |       | 22.0  |       | 24.0  |       |
|      | °C DB             | °C WB | TC                     | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    |
| 110% | -30.0             | -30.5 | 31.81                  | 12.29 | 31.19 | 12.70 | 30.58 | 13.09 | 30.28 | 13.25 | 29.97 | 13.47 | 29.36 | 13.86 |
|      | -25.0             | -25.4 | 31.81                  | 12.39 | 31.19 | 12.74 | 30.58 | 13.08 | 30.28 | 13.22 | 29.97 | 13.41 | 29.36 | 13.74 |
|      | -19.8             | -20.0 | 31.81                  | 12.49 | 31.19 | 12.78 | 30.58 | 13.07 | 30.28 | 13.20 | 29.97 | 13.34 | 29.62 | 13.75 |
|      | -18.8             | -19.0 | 31.81                  | 12.48 | 31.19 | 12.75 | 30.58 | 13.04 | 30.53 | 13.27 | 30.26 | 13.45 | 29.72 | 13.75 |
|      | -16.7             | -17.0 | 32.12                  | 12.58 | 31.56 | 12.87 | 31.01 | 13.16 | 31.19 | 13.52 | 30.94 | 13.68 | 30.45 | 14.01 |
|      | -13.7             | -15.0 | 32.85                  | 12.89 | 32.34 | 13.21 | 31.83 | 13.53 | 31.57 | 13.68 | 31.32 | 13.84 | 30.81 | 14.17 |
|      | -11.8             | -13.0 | 33.25                  | 12.96 | 32.72 | 13.26 | 32.20 | 13.58 | 31.93 | 13.73 | 31.67 | 13.90 | 31.14 | 14.21 |
|      | -9.8              | -11.0 | 33.62                  | 13.03 | 33.08 | 13.34 | 32.54 | 13.60 | 32.27 | 13.74 | 32.00 | 13.93 | 31.46 | 14.22 |
|      | -9.5              | -10.0 | 33.80                  | 12.97 | 33.25 | 13.27 | 32.71 | 13.57 | 32.43 | 13.72 | 32.16 | 13.86 | 31.61 | 14.18 |
|      | -8.5              | -9.1  | 33.96                  | 13.02 | 33.40 | 13.29 | 32.85 | 13.58 | 32.57 | 13.72 | 32.30 | 13.87 | 31.74 | 14.18 |
|      | -7.0              | -7.6  | 34.20                  | 13.02 | 33.64 | 13.31 | 33.08 | 13.59 | 32.80 | 13.72 | 32.52 | 13.89 | 31.96 | 14.18 |
|      | -5.0              | -5.6  | 33.92                  | 12.83 | 33.35 | 13.11 | 32.79 | 13.37 | 32.51 | 13.51 | 32.22 | 13.66 | 31.66 | 13.94 |
|      | -3.0              | -3.7  | 35.14                  | 13.04 | 34.56 | 13.31 | 33.97 | 13.58 | 33.68 | 13.72 | 33.38 | 13.88 | 32.66 | 13.76 |
|      | 0.0               | -0.7  | 38.13                  | 13.73 | 37.50 | 14.01 | 36.86 | 14.30 | 36.54 | 14.45 | 36.22 | 14.60 | 35.27 | 14.05 |
|      | 3.0               | 2.2   | 42.82                  | 14.96 | 42.12 | 15.29 | 41.41 | 15.60 | 40.96 | 15.52 | 40.52 | 15.46 | 39.11 | 14.10 |
|      | 5.0               | 4.1   | 46.65                  | 16.01 | 45.89 | 16.34 | 45.05 | 16.53 | 44.40 | 16.06 | 43.87 | 15.88 | 42.18 | 14.25 |
|      | 7.0               | 6.0   | 52.83                  | 17.81 | 51.90 | 18.16 | 50.77 | 17.80 | 49.80 | 17.19 | 49.29 | 16.73 | 42.18 | 13.28 |
|      | 9.0               | 7.9   | 54.54                  | 18.06 | 53.55 | 18.32 | 51.91 | 17.35 | 51.39 | 16.87 | 50.44 | 15.99 | 45.86 | 13.43 |
|      | 11.0              | 9.8   | 56.26                  | 18.35 | 55.09 | 18.05 | 53.52 | 17.02 | 52.72 | 16.17 | 50.44 | 14.92 | 45.86 | 12.49 |
| 100% | 13.0              | 11.8  | 57.94                  | 18.43 | 56.23 | 17.57 | 55.02 | 16.27 | 52.72 | 15.03 | 50.44 | 13.82 | 45.86 | 11.51 |
|      | 15.0              | 13.7  | 59.49                  | 18.06 | 57.87 | 17.17 | 55.02 | 15.17 | 52.72 | 13.98 | 50.44 | 12.83 | 45.86 | 10.84 |
|      | 18.0              | 16.6  | 61.52                  | 16.50 | 57.87 | 14.47 | 55.02 | 12.71 | 52.72 | 11.66 | 50.44 | 10.96 | 45.86 | 9.55  |
|      | 21.0              | 19.5  | 61.52                  | 15.49 | 57.87 | 13.51 | 55.02 | 11.70 | 52.72 | 10.87 | 50.44 | 10.13 | 45.86 | 8.69  |
|      | 24.0              | 22.4  | 61.52                  | 14.20 | 57.87 | 12.31 | 55.02 | 10.86 | 52.72 | 10.10 | 50.44 | 9.33  | 45.86 | 7.91  |
|      | 27.0              | 25.3  | 61.52                  | 12.64 | 57.87 | 10.91 | 55.02 | 9.85  | 52.72 | 9.19  | 50.44 | 8.53  | 45.86 | 7.14  |
|      | 30.0              | 28.1  | 61.52                  | 11.25 | 57.87 | 9.67  | 55.02 | 8.94  | 52.72 | 8.37  | 50.44 | 7.79  | 45.86 | 6.45  |
|      | -30.0             | -30.5 | 31.62                  | 12.62 | 31.01 | 13.02 | 30.40 | 13.36 | 30.10 | 13.56 | 29.79 | 13.77 | 29.18 | 14.18 |
|      | -25.0             | -25.4 | 31.62                  | 12.71 | 31.01 | 13.06 | 30.40 | 13.38 | 30.10 | 13.54 | 29.79 | 13.72 | 29.18 | 14.07 |
|      | -19.8             | -20.0 | 31.62                  | 12.80 | 31.01 | 13.09 | 30.40 | 13.39 | 30.10 | 13.52 | 29.79 | 13.67 | 29.45 | 14.09 |
|      | -18.8             | -19.0 | 31.62                  | 12.79 | 31.01 | 13.07 | 30.40 | 13.35 | 30.35 | 13.60 | 30.08 | 13.77 | 29.54 | 14.09 |
|      | -16.7             | -17.0 | 31.92                  | 12.91 | 31.38 | 13.19 | 30.83 | 13.49 | 31.01 | 13.86 | 30.77 | 14.03 | 30.28 | 14.38 |
|      | -13.7             | -15.0 | 32.65                  | 13.23 | 32.15 | 13.54 | 31.64 | 13.88 | 31.39 | 14.04 | 31.14 | 14.20 | 30.63 | 14.55 |
|      | -11.8             | -13.0 | 33.05                  | 13.31 | 32.53 | 13.62 | 32.01 | 13.93 | 31.75 | 14.10 | 31.49 | 14.23 | 30.97 | 14.59 |
|      | -9.8              | -11.0 | 33.41                  | 13.38 | 32.88 | 13.68 | 32.35 | 13.99 | 32.08 | 14.14 | 31.81 | 14.31 | 31.28 | 14.64 |
|      | -9.5              | -10.0 | 33.58                  | 13.36 | 33.04 | 13.65 | 32.50 | 13.95 | 32.23 | 14.10 | 31.96 | 14.24 | 31.42 | 14.57 |
|      | -8.5              | -9.1  | 33.73                  | 13.38 | 33.19 | 13.69 | 32.64 | 13.98 | 32.37 | 14.14 | 32.09 | 14.29 | 31.55 | 14.60 |
|      | -7.0              | -7.6  | 33.97                  | 13.41 | 33.42 | 13.70 | 32.86 | 14.02 | 32.59 | 14.16 | 32.31 | 14.31 | 31.60 | 14.22 |
|      | -5.0              | -5.6  | 33.70                  | 13.24 | 33.14 | 13.52 | 32.58 | 13.81 | 32.30 | 13.95 | 32.02 | 14.10 | 31.17 | 13.59 |
|      | -3.0              | -3.7  | 34.91                  | 13.46 | 34.33 | 13.76 | 33.75 | 14.04 | 33.46 | 14.18 | 33.04 | 13.95 | 32.14 | 13.38 |
|      | 0.0               | -0.7  | 37.88                  | 14.20 | 37.25 | 14.49 | 36.62 | 14.80 | 36.14 | 14.52 | 35.69 | 14.29 | 34.42 | 12.97 |
|      | 3.0               | 2.2   | 42.53                  | 15.52 | 41.83 | 15.83 | 40.94 | 15.68 | 40.28 | 15.09 | 39.56 | 14.36 | 38.05 | 12.94 |
|      | 5.0               | 4.1   | 46.33                  | 16.62 | 45.36 | 16.47 | 44.25 | 15.99 | 43.46 | 15.23 | 42.05 | 14.29 | 40.61 | 12.85 |
|      | 7.0               | 6.0   | 52.47                  | 18.53 | 51.00 | 17.67 | 50.00 | 16.93 | 47.94 | 15.72 | 45.86 | 14.52 | 41.68 | 12.22 |
|      | 9.0               | 7.9   | 53.66                  | 18.13 | 52.63 | 17.41 | 50.02 | 15.84 | 47.94 | 14.68 | 45.86 | 13.51 | 41.68 | 11.33 |
|      | 11.0              | 9.8   | 55.33                  | 17.88 | 52.63 | 16.56 | 50.02 | 14.77 | 47.94 | 13.65 | 45.86 | 12.55 | 41.68 | 10.71 |
|      | 13.0              | 11.8  | 56.99                  | 17.55 | 54.19 | 15.88 | 50.02 | 13.68 | 47.94 | 12.62 | 45.86 | 11.57 | 41.68 | 10.09 |
|      | 15.0              | 13.7  | 58.36                  | 17.04 | 54.19 | 14.79 | 50.02 | 12.68 | 47.94 | 11.67 | 45.86 | 10.90 | 41.68 | 9.46  |
|      | 18.0              | 16.6  | 58.36                  | 14.33 | 54.19 | 12.37 | 50.02 | 10.83 | 47.94 | 10.20 | 45.86 | 9.56  | 41.68 | 8.36  |
|      | 21.0              | 19.5  | 58.36                  | 13.28 | 54.19 | 11.37 | 50.02 | 10.09 | 47.94 | 9.44  | 45.86 | 8.77  | 41.68 | 7.58  |
|      | 24.0              | 22.4  | 58.36                  | 12.16 | 54.19 | 10.60 | 50.02 | 9.28  | 47.94 | 8.63  | 45.86 | 8.00  | 41.68 | 6.96  |
|      | 27.0              | 25.3  | 58.36                  | 10.87 | 54.19 | 9.65  | 50.02 | 8.44  | 47.94 | 7.84  | 45.86 | 7.23  | 41.68 | 6.32  |
|      | 30.0              | 28.1  | 58.36                  | 9.73  | 54.19 | 8.79  | 50.02 | 7.67  | 47.94 | 7.13  | 45.86 | 6.53  | 41.68 | 5.74  |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

## V8 PRO VRF 50Hz



Table2-8.18:16HP heating capacity(continued)

| CR  | Outdoor air temp. |       | Indoor air temp. °C DB |       |       |       |       |       |       |       |       |       |       |       |
|-----|-------------------|-------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|     |                   |       | 16.0                   |       | 18.0  |       | 20.0  |       | 21.0  |       | 22.0  |       | 24.0  |       |
|     | °C DB             | °C WB | TC                     | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    |
| 90% | -30.0             | -30.5 | 28.45                  | 11.74 | 27.91 | 12.10 | 27.36 | 12.43 | 27.09 | 12.64 | 26.81 | 12.82 | 26.27 | 12.91 |
|     | -25.0             | -25.4 | 28.45                  | 11.84 | 27.91 | 12.16 | 27.36 | 12.45 | 27.09 | 12.62 | 26.81 | 12.78 | 26.27 | 12.96 |
|     | -19.8             | -20.0 | 28.83                  | 12.10 | 28.77 | 12.59 | 28.34 | 12.92 | 28.11 | 13.08 | 27.90 | 13.26 | 27.46 | 13.60 |
|     | -18.8             | -19.0 | 29.40                  | 12.32 | 28.96 | 12.63 | 28.51 | 12.97 | 28.28 | 13.14 | 28.07 | 13.29 | 27.62 | 13.66 |
|     | -16.7             | -17.0 | 29.77                  | 12.47 | 29.30 | 12.76 | 28.84 | 13.09 | 28.61 | 13.24 | 28.38 | 13.42 | 27.92 | 13.73 |
|     | -13.7             | -15.0 | 30.10                  | 12.67 | 29.63 | 12.97 | 29.15 | 13.26 | 28.91 | 13.44 | 28.68 | 13.58 | 28.20 | 13.89 |
|     | -11.8             | -13.0 | 30.41                  | 12.74 | 29.93 | 13.04 | 29.44 | 13.34 | 29.20 | 13.48 | 28.95 | 13.66 | 28.41 | 13.81 |
|     | -9.8              | -11.0 | 30.71                  | 12.81 | 30.21 | 13.12 | 29.71 | 13.38 | 29.46 | 13.54 | 29.21 | 13.68 | 28.51 | 13.46 |
|     | -9.5              | -10.0 | 30.85                  | 12.79 | 30.34 | 13.07 | 29.84 | 13.34 | 29.58 | 13.51 | 29.33 | 13.64 | 28.48 | 13.03 |
|     | -8.5              | -9.1  | 30.97                  | 12.83 | 30.46 | 13.09 | 29.95 | 13.39 | 29.69 | 13.52 | 29.42 | 13.62 | 28.44 | 12.66 |
|     | -7.0              | -7.6  | 31.16                  | 12.88 | 30.65 | 13.13 | 30.13 | 13.41 | 29.87 | 13.56 | 29.45 | 13.26 | 28.47 | 12.27 |
|     | -5.0              | -5.6  | 30.86                  | 12.68 | 30.34 | 12.94 | 29.82 | 13.20 | 29.45 | 12.98 | 29.04 | 12.66 | 28.07 | 11.65 |
|     | -3.0              | -3.7  | 31.97                  | 12.90 | 31.43 | 13.18 | 30.77 | 13.07 | 30.38 | 12.81 | 29.95 | 12.46 | 28.93 | 11.40 |
|     | 0.0               | -0.7  | 34.70                  | 13.63 | 33.99 | 13.55 | 33.19 | 13.19 | 32.67 | 12.65 | 32.12 | 12.08 | 30.98 | 10.97 |
|     | 3.0               | 2.2   | 38.96                  | 14.78 | 38.04 | 14.33 | 36.87 | 13.29 | 36.25 | 12.68 | 35.61 | 12.07 | 34.25 | 10.83 |
|     | 5.0               | 4.1   | 42.30                  | 15.36 | 41.20 | 14.67 | 39.83 | 13.41 | 39.11 | 12.75 | 37.84 | 11.94 | 36.55 | 10.78 |
|     | 7.0               | 6.0   | 48.20                  | 16.75 | 46.30 | 15.43 | 45.00 | 14.12 | 39.11 | 11.85 | 41.27 | 12.09 | 37.51 | 10.46 |
|     | 9.0               | 7.9   | 48.88                  | 16.11 | 47.37 | 14.73 | 45.03 | 13.15 | 39.11 | 11.02 | 41.27 | 11.25 | 37.51 | 9.80  |
|     | 11.0              | 9.8   | 50.18                  | 15.45 | 48.77 | 14.16 | 45.03 | 12.19 | 43.16 | 11.28 | 41.27 | 10.63 | 37.51 | 9.20  |
| 80% | 13.0              | 11.8  | 51.29                  | 14.69 | 48.77 | 13.11 | 45.03 | 11.27 | 43.16 | 10.63 | 41.27 | 9.99  | 37.51 | 8.59  |
|     | 15.0              | 13.7  | 52.52                  | 13.99 | 48.77 | 12.13 | 45.03 | 10.66 | 43.16 | 10.04 | 41.27 | 9.42  | 37.51 | 8.09  |
|     | 18.0              | 16.6  | 52.52                  | 11.61 | 48.77 | 10.46 | 45.03 | 9.33  | 43.16 | 8.76  | 41.27 | 8.23  | 37.51 | 7.34  |
|     | 21.0              | 19.5  | 52.52                  | 10.84 | 48.77 | 9.68  | 45.03 | 8.51  | 43.16 | 7.99  | 41.27 | 7.48  | 37.51 | 6.74  |
|     | 24.0              | 22.4  | 52.52                  | 10.08 | 48.77 | 8.91  | 45.03 | 7.73  | 43.16 | 7.25  | 41.27 | 6.85  | 37.51 | 6.19  |
|     | 27.0              | 25.3  | 52.52                  | 9.18  | 48.77 | 8.09  | 45.03 | 7.00  | 43.16 | 6.59  | 41.27 | 6.24  | 37.51 | 5.52  |
|     | 30.0              | 28.1  | 52.52                  | 8.36  | 48.77 | 7.35  | 45.03 | 6.34  | 43.16 | 5.99  | 41.27 | 5.68  | 37.51 | 4.92  |
|     | -30.0             | -30.5 | 25.29                  | 10.85 | 24.81 | 11.17 | 24.32 | 11.53 | 24.08 | 11.68 | 23.83 | 11.77 | 23.35 | 11.00 |
|     | -25.0             | -25.4 | 25.56                  | 11.08 | 25.13 | 11.39 | 25.08 | 11.91 | 24.90 | 12.09 | 24.68 | 12.21 | 23.57 | 11.63 |
|     | -19.8             | -20.0 | 26.70                  | 11.70 | 26.29 | 12.00 | 25.88 | 12.31 | 25.67 | 12.47 | 25.47 | 12.63 | 25.06 | 12.96 |
|     | -18.8             | -19.0 | 26.85                  | 11.75 | 26.43 | 12.05 | 26.01 | 12.36 | 25.80 | 12.52 | 25.59 | 12.68 | 25.18 | 13.02 |
|     | -16.7             | -17.0 | 27.13                  | 11.88 | 26.70 | 12.16 | 26.27 | 12.48 | 26.05 | 12.62 | 25.84 | 12.79 | 25.27 | 12.76 |
|     | -13.7             | -15.0 | 27.39                  | 12.07 | 26.95 | 12.36 | 26.51 | 12.65 | 26.29 | 12.80 | 26.07 | 12.95 | 25.36 | 12.56 |
|     | -11.8             | -13.0 | 27.64                  | 12.14 | 27.19 | 12.42 | 26.74 | 12.70 | 26.51 | 12.86 | 26.16 | 12.65 | 25.44 | 12.21 |
|     | -9.8              | -11.0 | 27.87                  | 12.22 | 27.41 | 12.50 | 26.95 | 12.76 | 26.60 | 12.55 | 26.24 | 12.33 | 25.45 | 11.66 |
|     | -9.5              | -10.0 | 27.98                  | 12.20 | 27.51 | 12.45 | 27.00 | 12.58 | 26.58 | 12.17 | 26.22 | 11.91 | 25.40 | 11.18 |
|     | -8.5              | -9.1  | 28.08                  | 12.23 | 27.61 | 12.48 | 27.01 | 12.35 | 26.58 | 11.92 | 26.18 | 11.57 | 25.34 | 10.80 |
|     | -7.0              | -7.6  | 28.23                  | 12.28 | 27.75 | 12.52 | 27.03 | 12.02 | 26.60 | 11.53 | 26.21 | 11.20 | 25.36 | 10.39 |
|     | -5.0              | -5.6  | 27.92                  | 12.11 | 27.34 | 11.99 | 26.63 | 11.45 | 26.21 | 10.98 | 25.82 | 10.61 | 24.98 | 9.80  |
|     | -3.0              | -3.7  | 28.92                  | 12.35 | 28.22 | 11.87 | 27.47 | 11.27 | 27.03 | 10.75 | 26.62 | 10.38 | 25.72 | 9.46  |
|     | 0.0               | -0.7  | 31.28                  | 12.70 | 30.42 | 11.85 | 29.51 | 10.95 | 29.04 | 10.46 | 28.55 | 9.97  | 27.54 | 9.05  |
|     | 3.0               | 2.2   | 34.88                  | 12.90 | 33.85 | 11.92 | 32.78 | 10.91 | 32.22 | 10.40 | 31.64 | 9.87  | 30.44 | 9.22  |
|     | 5.0               | 4.1   | 37.79                  | 13.07 | 36.62 | 12.03 | 35.40 | 10.95 | 34.77 | 10.39 | 33.64 | 9.89  | 32.49 | 9.30  |
|     | 7.0               | 6.0   | 42.96                  | 13.91 | 41.16 | 12.59 | 40.00 | 11.46 | 38.36 | 10.80 | 36.68 | 10.21 | 32.49 | 8.64  |
|     | 9.0               | 7.9   | 43.45                  | 13.11 | 42.11 | 11.95 | 40.02 | 10.80 | 38.36 | 10.13 | 36.68 | 9.45  | 32.49 | 7.96  |
|     | 11.0              | 9.8   | 44.60                  | 12.49 | 43.34 | 11.38 | 40.02 | 10.21 | 38.36 | 9.66  | 36.68 | 8.94  | 32.49 | 7.50  |
|     | 13.0              | 11.8  | 45.59                  | 11.80 | 43.34 | 10.71 | 40.02 | 9.64  | 38.36 | 9.06  | 36.68 | 8.31  | 32.49 | 7.04  |
|     | 15.0              | 13.7  | 46.69                  | 11.21 | 43.34 | 10.10 | 40.02 | 9.03  | 38.36 | 8.44  | 36.68 | 7.71  | 32.49 | 6.68  |
|     | 18.0              | 16.6  | 46.69                  | 9.81  | 43.34 | 8.84  | 40.02 | 7.90  | 38.36 | 7.51  | 36.68 | 7.15  | 32.49 | 6.16  |
|     | 21.0              | 19.5  | 46.69                  | 9.01  | 43.34 | 8.09  | 40.02 | 7.24  | 38.36 | 6.88  | 36.68 | 6.58  | 32.49 | 5.75  |
|     | 24.0              | 22.4  | 46.69                  | 8.21  | 43.34 | 7.33  | 40.02 | 6.60  | 38.36 | 6.31  | 36.68 | 6.02  | 32.49 | 5.21  |
|     | 27.0              | 25.3  | 46.69                  | 7.39  | 43.34 | 6.66  | 40.02 | 6.02  | 38.36 | 5.67  | 36.68 | 5.43  | 32.49 | 4.61  |
|     | 30.0              | 28.1  | 46.69                  | 6.65  | 43.34 | 6.05  | 40.02 | 5.49  | 38.36 | 5.09  | 36.68 | 4.91  | 32.49 | 4.08  |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.18:16HP heating capacity(continued)

| CR  | Outdoor air temp. |       | Indoor air temp. °C DB |       |       |       |       |       |       |       |       |       |       |       |
|-----|-------------------|-------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|     |                   |       | 16.0                   |       | 18.0  |       | 20.0  |       | 21.0  |       | 22.0  |       | 24.0  |       |
|     | °C DB             | °C WB | TC                     | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    |
| 70% | -30.0             | -30.5 | 22.37                  | 10.09 | 22.00 | 10.41 | 21.57 | 10.56 | 21.07 | 10.05 | 20.85 | 9.73  | 20.43 | 9.69  |
|     | -25.0             | -25.4 | 23.35                  | 10.67 | 23.01 | 10.99 | 22.60 | 11.21 | 22.24 | 11.01 | 21.86 | 10.81 | 21.08 | 10.38 |
|     | -19.8             | -20.0 | 24.00                  | 11.11 | 23.63 | 11.39 | 23.25 | 11.68 | 23.06 | 11.84 | 22.87 | 11.98 | 22.10 | 11.29 |
|     | -18.8             | -19.0 | 24.11                  | 11.16 | 23.73 | 11.46 | 23.35 | 11.75 | 23.16 | 11.88 | 22.88 | 11.81 | 22.10 | 11.06 |
|     | -16.7             | -17.0 | 24.33                  | 11.29 | 23.94 | 11.56 | 23.54 | 11.84 | 23.26 | 11.74 | 22.96 | 11.59 | 22.16 | 10.78 |
|     | -13.7             | -15.0 | 24.53                  | 11.48 | 24.13 | 11.74 | 23.63 | 11.70 | 23.33 | 11.56 | 23.03 | 11.42 | 22.22 | 10.52 |
|     | -11.8             | -13.0 | 24.72                  | 11.54 | 24.31 | 11.81 | 23.69 | 11.39 | 23.40 | 11.25 | 23.04 | 10.93 | 22.26 | 10.14 |
|     | -9.8              | -11.0 | 24.90                  | 11.62 | 24.38 | 11.53 | 23.76 | 11.09 | 23.42 | 10.80 | 23.04 | 10.40 | 22.27 | 9.61  |
|     | -9.5              | -10.0 | 24.98                  | 11.58 | 24.37 | 11.18 | 23.74 | 10.71 | 23.39 | 10.39 | 23.01 | 9.99  | 22.23 | 9.18  |
|     | -8.5              | -9.1  | 25.03                  | 11.53 | 24.34 | 10.85 | 23.70 | 10.37 | 23.35 | 10.05 | 22.96 | 9.63  | 22.16 | 8.80  |
|     | -7.0              | -7.6  | 25.07                  | 11.27 | 24.36 | 10.53 | 23.72 | 10.01 | 23.36 | 9.67  | 22.96 | 9.24  | 22.15 | 8.36  |
|     | -5.0              | -5.6  | 24.68                  | 10.77 | 23.99 | 10.00 | 23.35 | 9.48  | 23.00 | 9.12  | 22.61 | 8.67  | 21.80 | 7.92  |
|     | -3.0              | -3.7  | 25.46                  | 10.59 | 24.74 | 9.82  | 24.05 | 9.15  | 23.67 | 8.77  | 23.29 | 8.37  | 22.41 | 7.74  |
|     | 0.0               | -0.7  | 27.39                  | 10.31 | 26.62 | 9.56  | 25.82 | 8.77  | 25.41 | 8.40  | 24.98 | 8.17  | 24.09 | 7.73  |
|     | 3.0               | 2.2   | 30.53                  | 10.33 | 29.62 | 9.52  | 28.68 | 8.82  | 28.19 | 8.57  | 27.69 | 8.34  | 26.63 | 7.87  |
|     | 5.0               | 4.1   | 33.07                  | 10.42 | 32.05 | 9.53  | 30.97 | 9.01  | 30.40 | 8.74  | 29.43 | 8.39  | 28.43 | 7.90  |
|     | 7.0               | 6.0   | 37.59                  | 10.97 | 36.01 | 10.13 | 35.00 | 9.61  | 30.40 | 8.11  | 29.43 | 7.67  | 28.43 | 7.12  |
|     | 9.0               | 7.9   | 38.02                  | 10.34 | 36.84 | 9.68  | 35.00 | 8.80  | 30.40 | 7.46  | 29.43 | 7.11  | 28.43 | 6.72  |
|     | 11.0              | 9.8   | 38.73                  | 9.93  | 36.84 | 9.25  | 35.00 | 8.24  | 30.40 | 7.01  | 29.43 | 6.72  | 28.43 | 6.39  |
|     | 13.0              | 11.8  | 39.89                  | 9.63  | 36.84 | 8.64  | 35.00 | 7.69  | 30.40 | 6.57  | 29.43 | 6.35  | 28.43 | 6.14  |
| 60% | 15.0              | 13.7  | 39.89                  | 9.05  | 36.84 | 8.05  | 35.00 | 7.24  | 30.40 | 6.29  | 29.43 | 6.03  | 28.43 | 5.76  |
|     | 18.0              | 16.6  | 39.89                  | 7.91  | 36.84 | 7.16  | 35.00 | 6.70  | 30.40 | 5.77  | 29.43 | 5.53  | 28.43 | 5.30  |
|     | 21.0              | 19.5  | 39.89                  | 7.21  | 36.84 | 6.59  | 35.00 | 6.18  | 30.40 | 5.35  | 29.43 | 5.09  | 28.43 | 4.84  |
|     | 24.0              | 22.4  | 39.89                  | 6.60  | 36.84 | 6.04  | 35.00 | 5.73  | 30.40 | 4.87  | 29.43 | 4.65  | 28.43 | 4.39  |
|     | 27.0              | 25.3  | 39.89                  | 6.02  | 36.84 | 5.39  | 35.00 | 5.07  | 30.40 | 4.33  | 29.43 | 4.17  | 28.43 | 3.92  |
|     | 30.0              | 28.1  | 39.89                  | 5.49  | 36.84 | 4.81  | 35.00 | 4.49  | 30.40 | 3.85  | 29.43 | 3.74  | 28.43 | 3.50  |
|     | -30.0             | -30.5 | 20.12                  | 9.68  | 19.44 | 9.21  | 18.50 | 8.74  | 18.25 | 8.67  | 17.88 | 8.53  | 17.51 | 8.46  |
|     | -25.0             | -25.4 | 20.66                  | 10.11 | 20.18 | 10.00 | 19.57 | 9.66  | 19.26 | 9.47  | 18.94 | 9.27  | 18.27 | 8.85  |
|     | -19.8             | -20.0 | 21.14                  | 10.51 | 20.80 | 10.78 | 20.25 | 10.43 | 19.94 | 10.15 | 19.61 | 9.85  | 18.94 | 9.21  |
|     | -18.8             | -19.0 | 21.22                  | 10.56 | 20.87 | 10.82 | 20.25 | 10.23 | 19.94 | 9.93  | 19.62 | 9.64  | 18.94 | 9.01  |
|     | -16.7             | -17.0 | 21.38                  | 10.69 | 20.93 | 10.64 | 20.31 | 9.99  | 19.98 | 9.65  | 19.66 | 9.36  | 18.97 | 8.67  |
|     | -13.7             | -15.0 | 21.45                  | 10.59 | 20.99 | 10.48 | 20.36 | 9.79  | 20.03 | 9.44  | 19.71 | 9.12  | 19.01 | 8.38  |
|     | -11.8             | -13.0 | 21.51                  | 10.37 | 20.99 | 10.02 | 20.39 | 9.42  | 20.07 | 9.10  | 19.75 | 8.77  | 19.04 | 7.97  |
|     | -9.8              | -11.0 | 21.57                  | 10.10 | 20.99 | 9.55  | 20.38 | 8.94  | 20.07 | 8.63  | 19.75 | 8.28  | 19.06 | 7.69  |
|     | -9.5              | -10.0 | 21.55                  | 9.76  | 20.97 | 9.21  | 20.35 | 8.56  | 20.03 | 8.21  | 19.69 | 7.84  | 18.97 | 7.37  |
|     | -8.5              | -9.1  | 21.52                  | 9.44  | 20.94 | 8.88  | 20.30 | 8.20  | 19.97 | 7.83  | 19.62 | 7.52  | 18.94 | 7.21  |
|     | -7.0              | -7.6  | 21.54                  | 9.13  | 20.95 | 8.53  | 20.30 | 7.82  | 19.96 | 7.48  | 19.62 | 7.29  | 18.94 | 6.96  |
|     | -5.0              | -5.6  | 21.18                  | 8.64  | 20.61 | 8.04  | 19.97 | 7.32  | 19.63 | 7.08  | 19.30 | 6.91  | 18.63 | 6.57  |
|     | -3.0              | -3.7  | 21.82                  | 8.30  | 21.22 | 7.71  | 20.56 | 7.16  | 20.19 | 6.91  | 19.84 | 6.71  | 19.14 | 6.38  |
|     | 0.0               | -0.7  | 23.47                  | 7.98  | 22.81 | 7.50  | 22.13 | 7.15  | 21.76 | 6.96  | 21.36 | 6.74  | 20.52 | 6.34  |
|     | 3.0               | 2.2   | 26.16                  | 8.03  | 25.39 | 7.68  | 24.58 | 7.31  | 24.16 | 7.13  | 23.73 | 6.96  | 22.36 | 6.43  |
|     | 5.0               | 4.1   | 28.33                  | 8.25  | 27.44 | 7.81  | 26.47 | 7.37  | 26.03 | 7.21  | 25.17 | 6.91  | 24.36 | 6.68  |
|     | 7.0               | 6.0   | 32.19                  | 8.84  | 30.60 | 8.05  | 30.00 | 7.57  | 26.03 | 6.50  | 25.17 | 6.29  | 24.36 | 6.01  |
|     | 9.0               | 7.9   | 32.20                  | 8.04  | 31.58 | 7.67  | 30.00 | 7.22  | 26.03 | 6.16  | 25.17 | 5.97  | 24.36 | 5.68  |
|     | 11.0              | 9.8   | 33.20                  | 7.80  | 31.58 | 7.19  | 30.00 | 6.78  | 26.03 | 5.84  | 25.17 | 5.63  | 24.36 | 5.38  |
|     | 13.0              | 11.8  | 34.20                  | 7.47  | 31.58 | 6.84  | 30.00 | 6.42  | 26.03 | 5.51  | 25.17 | 5.31  | 24.36 | 5.08  |
|     | 15.0              | 13.7  | 34.20                  | 7.12  | 31.58 | 6.43  | 30.00 | 6.06  | 26.03 | 5.27  | 25.17 | 5.04  | 24.36 | 4.82  |
|     | 18.0              | 16.6  | 34.20                  | 6.54  | 31.58 | 5.99  | 30.00 | 5.58  | 26.03 | 4.83  | 25.17 | 4.62  | 24.36 | 4.43  |
|     | 21.0              | 19.5  | 34.20                  | 6.01  | 31.58 | 5.44  | 30.00 | 5.13  | 26.03 | 4.42  | 25.17 | 4.27  | 24.36 | 4.06  |
|     | 24.0              | 22.4  | 34.20                  | 5.57  | 31.58 | 5.04  | 30.00 | 4.68  | 26.03 | 4.01  | 25.17 | 3.88  | 24.36 | 3.66  |
|     | 27.0              | 25.3  | 34.20                  | 4.90  | 31.58 | 4.45  | 30.00 | 4.17  | 26.03 | 3.55  | 25.17 | 3.42  | 24.36 | 3.22  |
|     | 30.0              | 28.1  | 34.20                  | 4.31  | 31.58 | 3.92  | 30.00 | 3.71  | 26.03 | 3.14  | 25.17 | 3.00  | 24.36 | 2.84  |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

# V8 PRO VRF 50Hz



Table2-8.18:16HP heating capacity(continued)

| CR  | Outdoor air temp. |       | Indoor air temp. °C DB |      |       |      |       |      |       |      |       |      |       |      |
|-----|-------------------|-------|------------------------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
|     |                   |       | 16.0                   |      | 18.0  |      | 20.0  |      | 21.0  |      | 22.0  |      | 24.0  |      |
|     |                   |       | TC                     | PI   | TC    | PI   | TC    | PI   | TC    | PI   | TC    | PI   | TC    | PI   |
| 50% | °C DB             | °C WB | kW                     | kW   | kW    | kW   | kW    | kW   | kW    | kW   | kW    | kW   | kW    | kW   |
|     | -30.0             | -30.5 | 17.00                  | 8.22 | 16.53 | 8.07 | 16.02 | 7.85 | 15.77 | 7.72 | 15.51 | 7.63 | 14.78 | 7.27 |
|     | -25.0             | -25.4 | 17.47                  | 8.68 | 16.99 | 8.38 | 16.48 | 8.05 | 16.22 | 7.86 | 15.96 | 7.69 | 15.40 | 7.31 |
|     | -19.8             | -20.0 | 17.88                  | 9.12 | 17.39 | 8.67 | 16.88 | 8.22 | 16.62 | 7.98 | 16.35 | 7.73 | 15.78 | 7.24 |
|     | -18.8             | -19.0 | 17.88                  | 8.94 | 17.39 | 8.51 | 16.88 | 8.02 | 16.61 | 7.78 | 16.35 | 7.55 | 15.78 | 7.14 |
|     | -16.7             | -17.0 | 17.92                  | 8.71 | 17.42 | 8.22 | 16.92 | 7.76 | 16.63 | 7.45 | 16.36 | 7.19 | 15.78 | 6.91 |
|     | -13.7             | -15.0 | 17.96                  | 8.53 | 17.45 | 8.01 | 16.94 | 7.50 | 16.66 | 7.17 | 16.36 | 6.98 | 15.78 | 6.72 |
|     | -11.8             | -13.0 | 17.98                  | 8.21 | 17.48 | 7.70 | 16.97 | 7.17 | 16.66 | 6.91 | 16.36 | 6.73 | 15.80 | 6.46 |
|     | -9.8              | -11.0 | 17.98                  | 7.80 | 17.49 | 7.31 | 16.98 | 6.87 | 16.67 | 6.64 | 16.37 | 6.47 | 15.80 | 6.20 |
|     | -9.5              | -10.0 | 17.94                  | 7.39 | 17.45 | 6.92 | 16.92 | 6.61 | 16.61 | 6.39 | 16.35 | 6.25 | 15.79 | 6.02 |
|     | -8.5              | -9.1  | 17.90                  | 7.07 | 17.40 | 6.67 | 16.88 | 6.40 | 16.62 | 6.28 | 16.35 | 6.15 | 15.78 | 5.90 |
|     | -7.0              | -7.6  | 17.90                  | 6.72 | 17.39 | 6.45 | 16.88 | 6.20 | 16.62 | 6.07 | 16.35 | 5.96 | 15.78 | 5.71 |
|     | -5.0              | -5.6  | 17.59                  | 6.37 | 17.10 | 6.10 | 16.58 | 5.82 | 16.33 | 5.72 | 16.07 | 5.60 | 15.52 | 5.45 |
|     | -3.0              | -3.7  | 18.12                  | 6.23 | 17.60 | 5.94 | 17.06 | 5.67 | 16.80 | 5.57 | 16.52 | 5.47 | 15.95 | 5.34 |
|     | 0.0               | -0.7  | 19.56                  | 6.28 | 18.97 | 5.96 | 18.38 | 5.69 | 18.03 | 5.55 | 17.71 | 5.47 | 17.06 | 5.32 |
|     | 3.0               | 2.2   | 21.80                  | 6.44 | 21.16 | 6.17 | 20.41 | 5.89 | 19.97 | 5.73 | 19.60 | 5.65 | 18.60 | 5.42 |
|     | 5.0               | 4.1   | 23.56                  | 6.53 | 22.80 | 6.26 | 21.91 | 5.98 | 21.23 | 5.81 | 20.92 | 5.63 | 18.60 | 4.91 |
|     | 7.0               | 6.0   | 26.29                  | 6.55 | 25.50 | 6.32 | 24.29 | 5.97 | 23.29 | 5.73 | 20.92 | 5.08 | 19.02 | 4.59 |
|     | 9.0               | 7.9   | 26.83                  | 6.32 | 26.32 | 6.14 | 24.29 | 5.64 | 23.29 | 5.39 | 20.92 | 4.83 | 19.02 | 4.36 |
|     | 11.0              | 9.8   | 27.66                  | 6.28 | 26.32 | 5.85 | 24.29 | 5.34 | 23.29 | 5.11 | 20.92 | 4.56 | 19.02 | 4.15 |
|     | 13.0              | 11.8  | 28.50                  | 6.07 | 26.32 | 5.53 | 24.29 | 5.06 | 23.29 | 4.84 | 20.92 | 4.33 | 19.02 | 3.90 |
|     | 15.0              | 13.7  | 28.50                  | 5.72 | 26.32 | 5.24 | 24.29 | 4.78 | 23.29 | 4.57 | 20.92 | 4.12 | 19.02 | 3.69 |
|     | 18.0              | 16.6  | 28.50                  | 5.27 | 26.32 | 4.79 | 24.29 | 4.37 | 23.29 | 4.22 | 20.92 | 3.76 | 19.02 | 3.38 |
|     | 21.0              | 19.5  | 28.50                  | 4.81 | 26.32 | 4.45 | 24.29 | 4.03 | 23.29 | 3.81 | 20.92 | 3.42 | 19.02 | 3.07 |
|     | 24.0              | 22.4  | 28.50                  | 4.41 | 26.32 | 4.01 | 24.29 | 3.62 | 23.29 | 3.50 | 20.92 | 3.07 | 19.02 | 2.74 |
|     | 27.0              | 25.3  | 28.50                  | 3.86 | 26.32 | 3.55 | 24.29 | 3.17 | 23.29 | 3.03 | 20.92 | 2.70 | 19.02 | 2.40 |
|     | 30.0              | 28.1  | 28.50                  | 3.37 | 26.32 | 3.15 | 24.29 | 2.77 | 23.29 | 2.63 | 20.92 | 2.37 | 19.02 | 2.09 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.



Table2-8.19:18HP heating capacity

| CR   | Outdoor air temp. |       | Indoor air temp. °C DB |       |       |       |       |       |       |       |       |       |       |       |
|------|-------------------|-------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|      |                   |       | 16.0                   |       | 18.0  |       | 20.0  |       | 21.0  |       | 22.0  |       | 24.0  |       |
|      | °C DB             | °C WB | TC                     | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    |
| 130% | -30.0             | -30.5 | 39.45                  | 13.51 | 38.69 | 13.98 | 37.93 | 14.37 | 37.55 | 14.60 | 37.17 | 14.80 | 36.41 | 15.22 |
|      | -25.0             | -25.4 | 39.45                  | 13.66 | 38.69 | 14.05 | 37.93 | 14.41 | 37.55 | 14.59 | 37.17 | 14.77 | 36.41 | 15.14 |
|      | -19.8             | -20.0 | 39.45                  | 13.81 | 38.69 | 14.13 | 37.93 | 14.44 | 37.55 | 14.58 | 37.17 | 14.73 | 36.41 | 15.05 |
|      | -18.8             | -19.0 | 39.45                  | 13.78 | 38.69 | 14.09 | 37.93 | 14.39 | 37.55 | 14.56 | 37.17 | 14.68 | 36.41 | 15.00 |
|      | -16.7             | -17.0 | 39.45                  | 13.74 | 38.69 | 14.06 | 37.93 | 14.36 | 37.55 | 14.48 | 37.17 | 14.64 | 36.41 | 14.91 |
|      | -13.7             | -15.0 | 39.45                  | 13.79 | 38.69 | 14.07 | 38.26 | 14.49 | 37.92 | 14.64 | 37.58 | 14.80 | 36.91 | 15.10 |
|      | -11.8             | -13.0 | 39.88                  | 13.82 | 39.20 | 14.14 | 39.09 | 14.67 | 38.79 | 14.84 | 38.47 | 15.02 | 37.86 | 15.34 |
|      | -9.8              | -11.0 | 40.83                  | 14.04 | 40.19 | 14.37 | 39.56 | 14.70 | 39.24 | 14.85 | 38.92 | 15.03 | 38.28 | 15.37 |
|      | -9.5              | -10.0 | 41.07                  | 13.96 | 40.43 | 14.31 | 39.78 | 14.63 | 39.46 | 14.80 | 39.14 | 14.99 | 38.49 | 15.30 |
|      | -8.5              | -9.1  | 41.28                  | 14.01 | 40.63 | 14.32 | 39.98 | 14.66 | 39.65 | 14.82 | 39.32 | 14.98 | 38.66 | 15.31 |
|      | -7.0              | -7.6  | 41.62                  | 14.02 | 40.96 | 14.33 | 40.29 | 14.67 | 39.96 | 14.80 | 39.62 | 14.98 | 38.95 | 15.30 |
|      | -5.0              | -5.6  | 41.35                  | 13.77 | 40.68 | 14.09 | 40.01 | 14.40 | 39.67 | 14.54 | 39.33 | 14.70 | 38.65 | 15.02 |
|      | -3.0              | -3.7  | 42.87                  | 13.95 | 42.17 | 14.27 | 41.47 | 14.58 | 41.12 | 14.72 | 40.76 | 14.88 | 40.06 | 15.20 |
|      | 0.0               | -0.7  | 46.51                  | 14.57 | 45.76 | 14.90 | 45.00 | 15.22 | 44.62 | 15.40 | 44.24 | 15.57 | 43.47 | 15.88 |
|      | 3.0               | 2.2   | 52.19                  | 15.77 | 51.35 | 16.13 | 50.51 | 16.49 | 50.09 | 16.69 | 49.67 | 16.87 | 48.82 | 17.22 |
|      | 5.0               | 4.1   | 56.79                  | 16.79 | 55.89 | 17.18 | 54.99 | 17.59 | 54.54 | 17.78 | 54.09 | 17.97 | 53.17 | 18.35 |
|      | 7.0               | 6.0   | 64.88                  | 18.76 | 63.63 | 19.15 | 62.38 | 19.51 | 61.76 | 19.71 | 61.14 | 19.88 | 59.89 | 19.75 |
|      | 9.0               | 7.9   | 66.96                  | 18.96 | 65.67 | 19.36 | 64.38 | 19.73 | 63.74 | 19.92 | 63.09 | 20.09 | 60.68 | 19.09 |
|      | 11.0              | 9.8   | 69.03                  | 19.14 | 67.70 | 19.53 | 66.38 | 19.92 | 65.71 | 20.13 | 65.05 | 19.90 | 60.68 | 18.16 |
|      | 13.0              | 11.8  | 71.11                  | 19.29 | 69.74 | 19.70 | 68.37 | 20.08 | 67.69 | 20.05 | 66.75 | 19.44 | 60.68 | 16.99 |
|      | 15.0              | 13.7  | 73.18                  | 19.46 | 71.78 | 19.88 | 70.37 | 20.19 | 69.67 | 19.72 | 66.75 | 18.49 | 60.68 | 15.89 |
|      | 18.0              | 16.6  | 76.30                  | 19.94 | 74.83 | 20.37 | 72.81 | 19.08 | 69.76 | 17.64 | 66.75 | 16.21 | 60.68 | 13.54 |
|      | 21.0              | 19.5  | 79.41                  | 20.19 | 77.89 | 20.04 | 72.81 | 17.94 | 69.76 | 16.47 | 66.75 | 15.12 | 60.68 | 12.45 |
|      | 24.0              | 22.4  | 82.53                  | 20.24 | 78.87 | 19.16 | 72.81 | 16.45 | 69.76 | 15.16 | 66.75 | 13.84 | 60.68 | 11.40 |
|      | 27.0              | 25.3  | 84.94                  | 19.70 | 78.87 | 17.41 | 72.81 | 14.79 | 69.76 | 13.54 | 66.75 | 12.35 | 60.68 | 10.38 |
|      | 30.0              | 28.1  | 84.94                  | 18.63 | 78.87 | 15.83 | 72.81 | 13.29 | 69.76 | 12.09 | 66.75 | 11.02 | 60.68 | 9.46  |
| 120% | -30.0             | -30.5 | 37.71                  | 13.34 | 36.99 | 13.68 | 36.26 | 14.07 | 35.90 | 14.29 | 35.54 | 14.44 | 34.81 | 14.93 |
|      | -25.0             | -25.4 | 37.71                  | 13.41 | 36.99 | 13.75 | 36.26 | 14.10 | 35.90 | 14.27 | 35.54 | 14.44 | 34.81 | 14.81 |
|      | -19.8             | -20.0 | 37.71                  | 13.49 | 36.99 | 13.83 | 36.26 | 14.13 | 35.90 | 14.26 | 35.54 | 14.44 | 34.81 | 14.70 |
|      | -18.8             | -19.0 | 37.71                  | 13.51 | 36.99 | 13.80 | 36.26 | 14.09 | 35.90 | 14.23 | 35.54 | 14.38 | 34.81 | 14.68 |
|      | -16.7             | -17.0 | 37.71                  | 13.46 | 36.99 | 13.75 | 36.26 | 14.03 | 36.21 | 14.29 | 35.89 | 14.45 | 35.24 | 14.77 |
|      | -13.7             | -15.0 | 38.08                  | 13.61 | 37.43 | 13.93 | 36.77 | 14.25 | 36.99 | 14.63 | 36.70 | 14.78 | 36.12 | 15.13 |
|      | -11.8             | -13.0 | 38.94                  | 13.82 | 38.34 | 14.16 | 37.74 | 14.49 | 37.44 | 14.66 | 37.14 | 14.82 | 36.54 | 15.17 |
|      | -9.8              | -11.0 | 39.41                  | 13.88 | 38.79 | 14.20 | 38.17 | 14.54 | 37.87 | 14.68 | 37.55 | 14.86 | 36.93 | 15.20 |
|      | -9.5              | -10.0 | 39.63                  | 13.83 | 39.01 | 14.14 | 38.38 | 14.46 | 38.07 | 14.64 | 37.75 | 14.80 | 37.12 | 15.11 |
|      | -8.5              | -9.1  | 39.83                  | 13.85 | 39.19 | 14.16 | 38.56 | 14.50 | 38.24 | 14.66 | 37.92 | 14.81 | 37.28 | 15.13 |
|      | -7.0              | -7.6  | 40.14                  | 13.86 | 39.50 | 14.18 | 38.85 | 14.50 | 38.52 | 14.66 | 38.20 | 14.80 | 37.55 | 15.12 |
|      | -5.0              | -5.6  | 39.85                  | 13.63 | 39.20 | 13.94 | 38.55 | 14.23 | 38.22 | 14.38 | 37.89 | 14.53 | 37.23 | 14.84 |
|      | -3.0              | -3.7  | 41.31                  | 13.81 | 40.64 | 14.11 | 39.95 | 14.42 | 39.61 | 14.57 | 39.27 | 14.73 | 38.59 | 15.03 |
|      | 0.0               | -0.7  | 44.83                  | 14.46 | 44.10 | 14.78 | 43.37 | 15.10 | 43.00 | 15.27 | 42.62 | 15.42 | 41.88 | 15.74 |
|      | 3.0               | 2.2   | 50.32                  | 15.70 | 49.51 | 16.06 | 48.69 | 16.42 | 48.28 | 16.59 | 47.87 | 16.76 | 46.69 | 16.58 |
|      | 5.0               | 4.1   | 54.79                  | 16.72 | 53.92 | 17.12 | 53.04 | 17.51 | 52.60 | 17.69 | 52.16 | 17.88 | 50.40 | 17.08 |
|      | 7.0               | 6.0   | 62.03                  | 18.56 | 60.83 | 18.93 | 60.13 | 19.44 | 59.59 | 19.63 | 58.90 | 19.40 | 56.00 | 18.08 |
|      | 9.0               | 7.9   | 64.01                  | 18.78 | 62.78 | 19.15 | 62.09 | 19.69 | 61.43 | 19.60 | 60.32 | 18.97 | 56.00 | 16.99 |
|      | 11.0              | 9.8   | 66.00                  | 18.98 | 64.73 | 19.35 | 63.99 | 19.75 | 62.82 | 19.09 | 61.60 | 18.44 | 56.00 | 15.91 |
|      | 13.0              | 11.8  | 67.98                  | 19.15 | 67.22 | 19.68 | 65.37 | 19.28 | 64.40 | 18.60 | 61.60 | 17.51 | 56.00 | 14.82 |
|      | 15.0              | 13.7  | 69.96                  | 19.34 | 69.21 | 19.89 | 67.20 | 18.89 | 64.40 | 17.68 | 61.60 | 16.43 | 56.00 | 13.79 |
|      | 18.0              | 16.6  | 73.55                  | 20.00 | 71.54 | 18.78 | 67.20 | 16.49 | 64.40 | 15.23 | 61.60 | 14.00 | 56.00 | 11.69 |
|      | 21.0              | 19.5  | 75.92                  | 19.56 | 72.81 | 18.04 | 67.20 | 15.40 | 64.40 | 14.10 | 61.60 | 12.91 | 56.00 | 10.81 |
|      | 24.0              | 22.4  | 78.40                  | 19.08 | 72.81 | 16.51 | 67.20 | 14.12 | 64.40 | 12.93 | 61.60 | 11.81 | 56.00 | 9.96  |
|      | 27.0              | 25.3  | 78.40                  | 17.21 | 72.81 | 14.82 | 67.20 | 12.59 | 64.40 | 11.50 | 61.60 | 10.66 | 56.00 | 9.12  |
|      | 30.0              | 28.1  | 78.40                  | 15.53 | 72.81 | 13.30 | 67.20 | 11.23 | 64.40 | 10.23 | 61.60 | 9.63  | 56.00 | 8.35  |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

## V8 PRO VRF 50Hz



Table2-8.19:18HP heating capacity(continued)

| CR   | Outdoor air temp. |       | Indoor air temp. °C DB |       |       |       |       |       |       |       |       |       |       |       |
|------|-------------------|-------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|      |                   |       | 16.0                   |       | 18.0  |       | 20.0  |       | 21.0  |       | 22.0  |       | 24.0  |       |
|      | °C DB             | °C WB | TC                     | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    |
| 110% | -30.0             | -30.5 | 35.62                  | 12.86 | 34.94 | 13.29 | 34.25 | 13.71 | 33.91 | 13.86 | 33.57 | 14.01 | 32.88 | 14.45 |
|      | -25.0             | -25.4 | 35.62                  | 12.98 | 34.94 | 13.33 | 34.25 | 13.69 | 33.91 | 13.84 | 33.57 | 13.99 | 32.88 | 14.35 |
|      | -19.8             | -20.0 | 35.62                  | 13.10 | 34.94 | 13.37 | 34.25 | 13.67 | 33.91 | 13.83 | 33.57 | 13.97 | 33.20 | 14.39 |
|      | -18.8             | -19.0 | 35.62                  | 13.11 | 34.94 | 13.36 | 34.52 | 13.76 | 34.21 | 13.92 | 33.91 | 14.06 | 33.31 | 14.39 |
|      | -16.7             | -17.0 | 35.98                  | 13.19 | 35.36 | 13.48 | 34.75 | 13.79 | 34.97 | 14.17 | 34.70 | 14.34 | 34.15 | 14.68 |
|      | -13.7             | -15.0 | 36.81                  | 13.52 | 36.25 | 13.85 | 35.68 | 14.20 | 35.40 | 14.35 | 35.12 | 14.52 | 34.55 | 14.85 |
|      | -11.8             | -13.0 | 37.26                  | 13.60 | 36.68 | 13.92 | 36.10 | 14.23 | 35.80 | 14.40 | 35.51 | 14.55 | 34.92 | 14.89 |
|      | -9.8              | -11.0 | 37.68                  | 13.65 | 37.08 | 13.95 | 36.48 | 14.27 | 36.18 | 14.44 | 35.88 | 14.58 | 35.28 | 14.91 |
|      | -9.5              | -10.0 | 37.88                  | 13.60 | 37.27 | 13.91 | 36.67 | 14.22 | 36.36 | 14.36 | 36.06 | 14.52 | 35.45 | 14.83 |
|      | -8.5              | -9.1  | 38.05                  | 13.61 | 37.44 | 13.91 | 36.83 | 14.22 | 36.52 | 14.39 | 36.21 | 14.54 | 35.60 | 14.86 |
|      | -7.0              | -7.6  | 38.34                  | 13.63 | 37.71 | 13.93 | 37.09 | 14.23 | 36.77 | 14.39 | 36.46 | 14.53 | 35.83 | 14.85 |
|      | -5.0              | -5.6  | 38.03                  | 13.40 | 37.40 | 13.68 | 36.77 | 13.97 | 36.46 | 14.13 | 36.14 | 14.28 | 35.51 | 14.56 |
|      | -3.0              | -3.7  | 39.41                  | 13.60 | 38.76 | 13.89 | 38.10 | 14.18 | 37.78 | 14.33 | 37.45 | 14.47 | 36.79 | 14.76 |
|      | 0.0               | -0.7  | 42.77                  | 14.27 | 42.06 | 14.59 | 41.35 | 14.90 | 41.00 | 15.04 | 40.64 | 15.20 | 39.50 | 15.00 |
|      | 3.0               | 2.2   | 48.04                  | 15.53 | 47.26 | 15.88 | 46.47 | 16.22 | 46.07 | 16.39 | 45.45 | 16.09 | 43.81 | 15.28 |
|      | 5.0               | 4.1   | 52.35                  | 16.59 | 51.51 | 16.97 | 50.66 | 17.33 | 50.03 | 17.11 | 49.13 | 16.60 | 47.25 | 15.46 |
|      | 7.0               | 6.0   | 59.24                  | 18.40 | 58.21 | 18.79 | 57.06 | 18.84 | 56.24 | 18.35 | 55.21 | 17.76 | 51.33 | 15.75 |
|      | 9.0               | 7.9   | 61.17                  | 18.66 | 60.10 | 19.04 | 58.63 | 18.51 | 57.56 | 17.90 | 56.46 | 17.29 | 51.33 | 14.71 |
|      | 11.0              | 9.8   | 63.10                  | 18.88 | 61.91 | 19.01 | 59.94 | 18.02 | 59.04 | 17.47 | 56.46 | 16.24 | 51.33 | 13.71 |
|      | 13.0              | 11.8  | 65.05                  | 19.11 | 63.51 | 18.66 | 61.60 | 17.60 | 59.04 | 16.35 | 56.46 | 15.12 | 51.33 | 12.70 |
|      | 15.0              | 13.7  | 66.89                  | 19.03 | 64.82 | 18.12 | 61.60 | 16.47 | 59.04 | 15.27 | 56.46 | 14.07 | 51.33 | 11.77 |
|      | 18.0              | 16.6  | 68.90                  | 17.88 | 66.75 | 16.31 | 61.60 | 14.02 | 59.04 | 12.93 | 56.46 | 11.86 | 51.33 | 10.33 |
|      | 21.0              | 19.5  | 71.71                  | 17.48 | 66.75 | 15.20 | 61.60 | 13.03 | 59.04 | 11.89 | 56.46 | 11.01 | 51.33 | 9.53  |
|      | 24.0              | 22.4  | 71.87                  | 16.13 | 66.75 | 13.94 | 61.60 | 11.89 | 59.04 | 10.97 | 56.46 | 10.20 | 51.33 | 8.71  |
|      | 27.0              | 25.3  | 71.87                  | 14.47 | 66.75 | 12.39 | 61.60 | 10.66 | 59.04 | 9.98  | 56.46 | 9.32  | 51.33 | 7.87  |
|      | 30.0              | 28.1  | 71.87                  | 12.98 | 66.75 | 11.02 | 61.60 | 9.56  | 59.04 | 9.09  | 56.46 | 8.52  | 51.33 | 7.11  |
| 100% | -30.0             | -30.5 | 35.41                  | 13.21 | 34.73 | 13.58 | 34.05 | 13.96 | 33.71 | 14.17 | 33.37 | 14.37 | 32.69 | 14.75 |
|      | -25.0             | -25.4 | 35.41                  | 13.31 | 34.73 | 13.63 | 34.05 | 13.97 | 33.71 | 14.16 | 33.37 | 14.33 | 32.69 | 14.66 |
|      | -19.8             | -20.0 | 35.41                  | 13.40 | 34.73 | 13.69 | 34.05 | 13.98 | 33.71 | 14.14 | 33.37 | 14.28 | 33.01 | 14.71 |
|      | -18.8             | -19.0 | 35.41                  | 13.39 | 34.73 | 13.69 | 34.31 | 14.07 | 34.01 | 14.22 | 33.71 | 14.41 | 33.12 | 14.73 |
|      | -16.7             | -17.0 | 35.76                  | 13.49 | 35.15 | 13.80 | 34.55 | 14.12 | 34.77 | 14.50 | 34.50 | 14.68 | 33.96 | 15.03 |
|      | -13.7             | -15.0 | 36.59                  | 13.85 | 36.04 | 14.18 | 35.47 | 14.53 | 35.20 | 14.68 | 34.92 | 14.87 | 34.36 | 15.23 |
|      | -11.8             | -13.0 | 37.04                  | 13.93 | 36.46 | 14.26 | 35.89 | 14.58 | 35.60 | 14.74 | 35.31 | 14.92 | 34.73 | 15.26 |
|      | -9.8              | -11.0 | 37.46                  | 13.98 | 36.87 | 14.31 | 36.27 | 14.64 | 35.98 | 14.80 | 35.67 | 14.96 | 35.08 | 15.28 |
|      | -9.5              | -10.0 | 37.66                  | 13.94 | 37.06 | 14.26 | 36.46 | 14.59 | 36.15 | 14.73 | 35.85 | 14.91 | 35.25 | 15.23 |
|      | -8.5              | -9.1  | 37.83                  | 13.97 | 37.22 | 14.28 | 36.61 | 14.60 | 36.31 | 14.76 | 36.01 | 14.90 | 35.39 | 15.24 |
|      | -7.0              | -7.6  | 38.10                  | 14.01 | 37.48 | 14.31 | 36.86 | 14.61 | 36.56 | 14.78 | 36.25 | 14.94 | 35.62 | 15.25 |
|      | -5.0              | -5.6  | 37.79                  | 13.80 | 37.16 | 14.10 | 36.54 | 14.40 | 36.23 | 14.53 | 35.92 | 14.70 | 35.01 | 14.56 |
|      | -3.0              | -3.7  | 39.16                  | 14.01 | 38.51 | 14.33 | 37.86 | 14.61 | 37.53 | 14.78 | 37.21 | 14.92 | 36.00 | 14.30 |
|      | 0.0               | -0.7  | 42.49                  | 14.76 | 41.79 | 15.07 | 41.08 | 15.38 | 40.65 | 15.34 | 39.97 | 15.18 | 38.55 | 14.04 |
|      | 3.0               | 2.2   | 47.72                  | 16.08 | 46.94 | 16.42 | 45.89 | 16.25 | 45.11 | 16.12 | 44.30 | 15.52 | 42.62 | 14.08 |
|      | 5.0               | 4.1   | 52.00                  | 17.19 | 51.16 | 17.57 | 49.56 | 16.77 | 48.67 | 16.46 | 47.09 | 15.49 | 45.48 | 14.04 |
|      | 7.0               | 6.0   | 58.85                  | 19.12 | 57.62 | 18.94 | 56.00 | 18.06 | 53.66 | 17.01 | 51.33 | 15.81 | 46.66 | 13.45 |
|      | 9.0               | 7.9   | 60.77                  | 19.40 | 58.95 | 18.47 | 56.00 | 17.15 | 53.66 | 15.96 | 51.33 | 14.76 | 46.66 | 12.53 |
|      | 11.0              | 9.8   | 62.45                  | 19.06 | 60.68 | 18.12 | 56.00 | 16.03 | 53.66 | 14.88 | 51.33 | 13.78 | 46.66 | 11.61 |
|      | 13.0              | 11.8  | 63.83                  | 18.56 | 60.68 | 17.19 | 56.00 | 14.92 | 53.66 | 13.84 | 51.33 | 12.75 | 46.66 | 10.88 |
|      | 15.0              | 13.7  | 65.34                  | 18.10 | 60.68 | 16.07 | 56.00 | 13.91 | 53.66 | 12.86 | 51.33 | 11.82 | 46.66 | 10.26 |
|      | 18.0              | 16.6  | 65.34                  | 15.66 | 60.68 | 13.66 | 56.00 | 11.73 | 53.66 | 11.01 | 51.33 | 10.34 | 46.66 | 9.04  |
|      | 21.0              | 19.5  | 65.34                  | 14.63 | 60.68 | 12.63 | 56.00 | 10.84 | 53.66 | 10.20 | 51.33 | 9.52  | 46.66 | 8.17  |
|      | 24.0              | 22.4  | 65.34                  | 13.39 | 60.68 | 11.51 | 56.00 | 10.04 | 53.66 | 9.36  | 51.33 | 8.67  | 46.66 | 7.35  |
|      | 27.0              | 25.3  | 65.34                  | 11.90 | 60.68 | 10.44 | 56.00 | 9.19  | 53.66 | 8.51  | 51.33 | 7.84  | 46.66 | 6.67  |
|      | 30.0              | 28.1  | 65.34                  | 10.58 | 60.68 | 9.46  | 56.00 | 8.41  | 53.66 | 7.73  | 51.33 | 7.09  | 46.66 | 6.05  |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.19:18HP heating capacity(continued)

| CR  | Outdoor air temp. |       | Indoor air temp. °C DB |       |       |       |       |       |       |       |       |       |       |       |
|-----|-------------------|-------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|     |                   |       | 16.0                   |       | 18.0  |       | 20.0  |       | 21.0  |       | 22.0  |       | 24.0  |       |
|     | °C DB             | °C WB | TC                     | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    |
| 90% | -30.0             | -30.5 | 31.87                  | 12.26 | 31.26 | 12.59 | 30.64 | 12.95 | 30.34 | 13.15 | 30.03 | 13.38 | 29.42 | 13.70 |
|     | -25.0             | -25.4 | 31.87                  | 12.37 | 31.26 | 12.66 | 30.64 | 12.98 | 30.34 | 13.15 | 30.03 | 13.33 | 29.42 | 13.63 |
|     | -19.8             | -20.0 | 32.30                  | 12.64 | 32.25 | 13.14 | 31.76 | 13.49 | 31.52 | 13.67 | 31.28 | 13.83 | 30.80 | 14.19 |
|     | -18.8             | -19.0 | 32.95                  | 12.87 | 32.46 | 13.20 | 31.96 | 13.57 | 31.71 | 13.73 | 31.47 | 13.90 | 30.97 | 14.24 |
|     | -16.7             | -17.0 | 33.36                  | 13.01 | 32.85 | 13.35 | 32.34 | 13.66 | 32.08 | 13.83 | 31.82 | 14.00 | 31.31 | 14.34 |
|     | -13.7             | -15.0 | 33.75                  | 13.23 | 33.22 | 13.54 | 32.69 | 13.85 | 32.43 | 14.01 | 32.16 | 14.18 | 31.63 | 14.51 |
|     | -11.8             | -13.0 | 34.10                  | 13.30 | 33.56 | 13.60 | 33.02 | 13.91 | 32.75 | 14.07 | 32.48 | 14.23 | 31.93 | 14.53 |
|     | -9.8              | -11.0 | 34.43                  | 13.36 | 33.88 | 13.67 | 33.32 | 13.96 | 33.04 | 14.12 | 32.77 | 14.26 | 32.06 | 14.23 |
|     | -9.5              | -10.0 | 34.59                  | 13.32 | 34.03 | 13.61 | 33.47 | 13.92 | 33.19 | 14.05 | 32.90 | 14.22 | 32.06 | 13.86 |
|     | -8.5              | -9.1  | 34.73                  | 13.36 | 34.16 | 13.65 | 33.59 | 13.93 | 33.31 | 14.10 | 33.02 | 14.25 | 32.06 | 13.61 |
|     | -7.0              | -7.6  | 34.95                  | 13.38 | 34.37 | 13.67 | 33.80 | 13.97 | 33.51 | 14.11 | 33.18 | 14.18 | 32.06 | 13.20 |
|     | -5.0              | -5.6  | 34.61                  | 13.18 | 34.03 | 13.46 | 33.45 | 13.75 | 33.13 | 13.80 | 32.61 | 13.53 | 31.51 | 12.50 |
|     | -3.0              | -3.7  | 35.86                  | 13.41 | 35.26 | 13.69 | 34.62 | 13.89 | 34.09 | 13.60 | 33.54 | 13.30 | 32.40 | 12.23 |
|     | 0.0               | -0.7  | 38.93                  | 14.14 | 38.27 | 14.44 | 37.18 | 14.13 | 36.58 | 13.63 | 35.97 | 13.07 | 34.70 | 11.92 |
|     | 3.0               | 2.2   | 43.79                  | 15.48 | 42.66 | 15.27 | 41.30 | 14.33 | 40.60 | 13.74 | 39.87 | 13.14 | 38.36 | 11.86 |
|     | 5.0               | 4.1   | 47.62                  | 16.24 | 46.15 | 15.76 | 44.61 | 14.54 | 43.81 | 13.90 | 42.38 | 13.06 | 40.93 | 11.79 |
|     | 7.0               | 6.0   | 54.13                  | 17.60 | 51.86 | 16.68 | 50.40 | 15.38 | 48.30 | 14.31 | 46.20 | 13.27 | 42.00 | 11.26 |
|     | 9.0               | 7.9   | 54.74                  | 16.96 | 53.05 | 15.97 | 50.40 | 14.35 | 48.30 | 13.33 | 46.20 | 12.31 | 42.00 | 10.54 |
|     | 11.0              | 9.8   | 56.20                  | 16.59 | 54.62 | 15.38 | 50.40 | 13.37 | 48.30 | 12.38 | 46.20 | 11.42 | 42.00 | 9.97  |
| 80% | 13.0              | 11.8  | 57.45                  | 15.90 | 54.62 | 14.31 | 50.40 | 12.35 | 48.30 | 11.45 | 46.20 | 10.74 | 42.00 | 9.42  |
|     | 15.0              | 13.7  | 58.81                  | 15.20 | 54.62 | 13.30 | 50.40 | 11.45 | 48.30 | 10.74 | 46.20 | 10.12 | 42.00 | 8.75  |
|     | 18.0              | 16.6  | 58.81                  | 12.83 | 54.62 | 11.28 | 50.40 | 10.08 | 48.30 | 9.49  | 46.20 | 8.93  | 42.00 | 7.80  |
|     | 21.0              | 19.5  | 58.81                  | 11.78 | 54.62 | 10.42 | 50.40 | 9.21  | 48.30 | 8.65  | 46.20 | 8.11  | 42.00 | 7.11  |
|     | 24.0              | 22.4  | 58.81                  | 10.90 | 54.62 | 9.60  | 50.40 | 8.39  | 48.30 | 7.84  | 46.20 | 7.31  | 42.00 | 6.48  |
|     | 27.0              | 25.3  | 58.81                  | 9.90  | 54.62 | 8.75  | 50.40 | 7.53  | 48.30 | 7.02  | 46.20 | 6.59  | 42.00 | 5.86  |
|     | 30.0              | 28.1  | 58.81                  | 9.00  | 54.62 | 7.97  | 50.40 | 6.77  | 48.30 | 6.28  | 46.20 | 5.94  | 42.00 | 5.29  |
|     | -30.0             | -30.5 | 28.33                  | 11.30 | 27.78 | 11.67 | 27.24 | 11.98 | 26.97 | 12.16 | 26.69 | 12.30 | 26.15 | 12.21 |
|     | -25.0             | -25.4 | 28.63                  | 11.53 | 28.15 | 11.87 | 28.11 | 12.39 | 27.91 | 12.58 | 27.71 | 12.76 | 27.08 | 12.80 |
|     | -19.8             | -20.0 | 29.93                  | 12.17 | 29.47 | 12.47 | 29.02 | 12.82 | 28.79 | 12.97 | 28.56 | 13.14 | 28.11 | 13.45 |
|     | -18.8             | -19.0 | 30.10                  | 12.23 | 29.64 | 12.56 | 29.17 | 12.87 | 28.94 | 13.01 | 28.71 | 13.18 | 28.24 | 13.50 |
|     | -16.7             | -17.0 | 30.42                  | 12.37 | 29.94 | 12.67 | 29.46 | 12.97 | 29.22 | 13.13 | 28.98 | 13.29 | 28.50 | 13.59 |
|     | -13.7             | -15.0 | 30.71                  | 12.56 | 30.22 | 12.84 | 29.73 | 13.16 | 29.49 | 13.31 | 29.24 | 13.45 | 28.50 | 13.36 |
|     | -11.8             | -13.0 | 30.99                  | 12.64 | 30.49 | 12.93 | 29.99 | 13.22 | 29.74 | 13.36 | 29.48 | 13.50 | 28.50 | 12.98 |
|     | -9.8              | -11.0 | 31.25                  | 12.72 | 30.74 | 12.97 | 30.23 | 13.25 | 29.97 | 13.41 | 29.50 | 13.15 | 28.50 | 12.49 |
|     | -9.5              | -10.0 | 31.38                  | 12.67 | 30.86 | 12.94 | 30.34 | 13.22 | 29.98 | 13.08 | 29.50 | 12.76 | 28.50 | 12.06 |
|     | -8.5              | -9.1  | 31.48                  | 12.69 | 30.96 | 12.97 | 30.44 | 13.25 | 29.98 | 12.85 | 29.50 | 12.42 | 28.50 | 11.69 |
|     | -7.0              | -7.6  | 31.66                  | 12.73 | 31.13 | 13.01 | 30.44 | 12.90 | 29.98 | 12.51 | 29.50 | 12.01 | 28.50 | 11.27 |
|     | -5.0              | -5.6  | 31.31                  | 12.55 | 30.78 | 12.82 | 29.90 | 12.30 | 29.45 | 11.89 | 28.98 | 11.40 | 28.01 | 10.63 |
|     | -3.0              | -3.7  | 32.43                  | 12.78 | 31.70 | 12.65 | 30.78 | 12.09 | 30.30 | 11.65 | 29.81 | 11.14 | 28.80 | 10.31 |
|     | 0.0               | -0.7  | 35.05                  | 13.12 | 34.07 | 12.73 | 33.05 | 11.82 | 32.52 | 11.36 | 31.98 | 10.86 | 30.84 | 9.89  |
|     | 3.0               | 2.2   | 39.07                  | 13.84 | 37.92 | 12.87 | 36.71 | 11.88 | 36.09 | 11.37 | 35.44 | 10.85 | 34.10 | 9.88  |
|     | 5.0               | 4.1   | 42.32                  | 14.12 | 41.02 | 13.07 | 39.65 | 11.97 | 38.94 | 11.42 | 37.67 | 10.71 | 36.38 | 9.99  |
|     | 7.0               | 6.0   | 48.11                  | 15.04 | 46.10 | 13.69 | 44.80 | 12.59 | 42.95 | 11.69 | 41.06 | 10.96 | 37.35 | 9.60  |
|     | 9.0               | 7.9   | 48.66                  | 14.22 | 47.16 | 13.07 | 44.80 | 11.69 | 42.95 | 10.92 | 41.06 | 10.26 | 37.35 | 8.88  |
|     | 11.0              | 9.8   | 49.96                  | 13.62 | 48.55 | 12.53 | 44.80 | 10.97 | 42.95 | 10.34 | 41.06 | 9.68  | 37.35 | 8.31  |
|     | 13.0              | 11.8  | 51.06                  | 12.92 | 48.55 | 11.54 | 44.80 | 10.30 | 42.95 | 9.73  | 41.06 | 9.05  | 37.35 | 7.76  |
|     | 15.0              | 13.7  | 52.26                  | 12.25 | 48.55 | 10.81 | 44.80 | 9.68  | 42.95 | 9.09  | 41.06 | 8.48  | 37.35 | 7.33  |
|     | 18.0              | 16.6  | 52.26                  | 10.57 | 48.55 | 9.53  | 44.80 | 8.51  | 42.95 | 8.03  | 41.06 | 7.56  | 37.35 | 6.72  |
|     | 21.0              | 19.5  | 52.26                  | 9.68  | 48.55 | 8.73  | 44.80 | 7.68  | 42.95 | 7.31  | 41.06 | 6.91  | 37.35 | 6.16  |
|     | 24.0              | 22.4  | 52.26                  | 8.88  | 48.55 | 7.89  | 44.80 | 6.94  | 42.95 | 6.63  | 41.06 | 6.32  | 37.35 | 5.67  |
|     | 27.0              | 25.3  | 52.26                  | 8.03  | 48.55 | 7.07  | 44.80 | 6.32  | 42.95 | 6.02  | 41.06 | 5.66  | 37.35 | 4.97  |
|     | 30.0              | 28.1  | 52.26                  | 7.26  | 48.55 | 6.33  | 44.80 | 5.76  | 42.95 | 5.46  | 41.06 | 5.06  | 37.35 | 4.35  |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

## V8 PRO VRF 50Hz



Table2-8.19:18HP heating capacity(continued)

| CR  | Outdoor air temp. |       | Indoor air temp. °C DB |       |       |       |       |       |       |       |       |       |       |       |
|-----|-------------------|-------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|     |                   |       | 16.0                   |       | 18.0  |       | 20.0  |       | 21.0  |       | 22.0  |       | 24.0  |       |
|     | °C DB             | °C WB | TC                     | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    |
| 70% | -30.0             | -30.5 | 25.06                  | 10.45 | 24.64 | 10.77 | 24.63 | 11.30 | 24.47 | 11.49 | 23.63 | 11.03 | 22.88 | 10.76 |
|     | -25.0             | -25.4 | 26.17                  | 11.05 | 25.78 | 11.38 | 25.40 | 11.72 | 25.21 | 11.89 | 24.83 | 11.75 | 24.09 | 11.48 |
|     | -19.8             | -20.0 | 26.91                  | 11.51 | 26.49 | 11.81 | 26.07 | 12.10 | 25.86 | 12.26 | 25.61 | 12.30 | 24.94 | 12.05 |
|     | -18.8             | -19.0 | 27.04                  | 11.58 | 26.61 | 11.88 | 26.19 | 12.16 | 25.97 | 12.31 | 25.75 | 12.44 | 24.94 | 11.85 |
|     | -16.7             | -17.0 | 27.28                  | 11.72 | 26.84 | 11.97 | 26.40 | 12.27 | 26.19 | 12.41 | 25.81 | 12.20 | 24.94 | 11.51 |
|     | -13.7             | -15.0 | 27.51                  | 11.88 | 27.06 | 12.16 | 26.61 | 12.45 | 26.23 | 12.23 | 25.81 | 11.98 | 24.94 | 11.24 |
|     | -11.8             | -13.0 | 27.72                  | 11.96 | 27.26 | 12.22 | 26.64 | 12.14 | 26.23 | 11.89 | 25.81 | 11.65 | 24.94 | 10.86 |
|     | -9.8              | -11.0 | 27.92                  | 12.03 | 27.43 | 12.23 | 26.64 | 11.80 | 26.23 | 11.55 | 25.81 | 11.17 | 24.94 | 10.36 |
|     | -9.5              | -10.0 | 28.02                  | 11.99 | 27.43 | 11.90 | 26.64 | 11.42 | 26.23 | 11.16 | 25.81 | 10.76 | 24.94 | 9.89  |
|     | -8.5              | -9.1  | 28.10                  | 12.04 | 27.43 | 11.68 | 26.64 | 11.10 | 26.23 | 10.83 | 25.81 | 10.40 | 24.94 | 9.51  |
|     | -7.0              | -7.6  | 28.19                  | 11.95 | 27.43 | 11.33 | 26.64 | 10.74 | 26.23 | 10.45 | 25.81 | 10.01 | 24.94 | 9.09  |
|     | -5.0              | -5.6  | 27.68                  | 11.38 | 26.94 | 10.77 | 26.17 | 10.16 | 25.77 | 9.86  | 25.36 | 9.43  | 24.51 | 8.47  |
|     | -3.0              | -3.7  | 28.51                  | 11.23 | 27.73 | 10.56 | 26.93 | 9.90  | 26.51 | 9.55  | 26.09 | 9.14  | 25.20 | 8.29  |
|     | 0.0               | -0.7  | 30.67                  | 11.09 | 29.81 | 10.34 | 28.92 | 9.55  | 28.45 | 9.17  | 27.98 | 8.77  | 26.99 | 8.28  |
|     | 3.0               | 2.2   | 34.19                  | 11.18 | 33.17 | 10.39 | 32.12 | 9.52  | 31.57 | 9.18  | 31.01 | 8.93  | 29.83 | 8.41  |
|     | 5.0               | 4.1   | 37.03                  | 11.34 | 35.89 | 10.46 | 34.70 | 9.66  | 34.07 | 9.35  | 32.97 | 8.94  | 31.84 | 8.42  |
|     | 7.0               | 6.0   | 42.10                  | 12.02 | 40.33 | 10.90 | 39.20 | 10.30 | 37.55 | 9.73  | 35.93 | 9.04  | 32.67 | 7.87  |
|     | 9.0               | 7.9   | 42.58                  | 11.29 | 41.26 | 10.44 | 39.20 | 9.60  | 37.55 | 8.93  | 35.93 | 8.36  | 32.67 | 7.40  |
|     | 11.0              | 9.8   | 43.71                  | 10.74 | 42.45 | 10.20 | 39.20 | 8.99  | 37.55 | 8.33  | 35.93 | 7.87  | 32.67 | 6.99  |
|     | 13.0              | 11.8  | 44.68                  | 10.34 | 42.45 | 9.53  | 39.20 | 8.35  | 37.55 | 7.80  | 35.93 | 7.33  | 32.67 | 6.59  |
|     | 15.0              | 13.7  | 45.74                  | 9.90  | 42.45 | 8.91  | 39.20 | 7.76  | 37.55 | 7.35  | 35.93 | 6.92  | 32.67 | 6.22  |
|     | 18.0              | 16.6  | 45.74                  | 8.71  | 42.45 | 7.87  | 39.20 | 7.11  | 37.55 | 6.75  | 35.93 | 6.47  | 32.67 | 5.74  |
|     | 21.0              | 19.5  | 45.74                  | 7.87  | 42.45 | 7.14  | 39.20 | 6.55  | 37.55 | 6.16  | 35.93 | 5.90  | 32.67 | 5.22  |
|     | 24.0              | 22.4  | 45.74                  | 7.08  | 42.45 | 6.48  | 39.20 | 5.98  | 37.55 | 5.67  | 35.93 | 5.35  | 32.67 | 4.74  |
|     | 27.0              | 25.3  | 45.74                  | 6.39  | 42.45 | 5.86  | 39.20 | 5.31  | 37.55 | 4.99  | 35.93 | 4.77  | 32.67 | 4.21  |
|     | 30.0              | 28.1  | 45.74                  | 5.77  | 42.45 | 5.29  | 39.20 | 4.72  | 37.55 | 4.39  | 35.93 | 4.24  | 32.67 | 3.73  |
| 60% | -30.0             | -30.5 | 22.55                  | 10.01 | 22.23 | 10.32 | 21.56 | 10.04 | 21.30 | 10.03 | 21.07 | 10.08 | 20.36 | 9.87  |
|     | -25.0             | -25.4 | 23.16                  | 10.43 | 22.81 | 10.73 | 22.23 | 10.55 | 21.93 | 10.43 | 21.63 | 10.31 | 20.90 | 9.88  |
|     | -19.8             | -20.0 | 23.70                  | 10.84 | 23.32 | 11.11 | 22.81 | 11.04 | 22.48 | 10.81 | 22.12 | 10.51 | 21.38 | 9.85  |
|     | -18.8             | -19.0 | 23.79                  | 10.91 | 23.41 | 11.17 | 22.83 | 10.90 | 22.48 | 10.61 | 22.12 | 10.33 | 21.38 | 9.67  |
|     | -16.7             | -17.0 | 23.97                  | 11.00 | 23.51 | 11.08 | 22.83 | 10.62 | 22.48 | 10.34 | 22.12 | 10.00 | 21.38 | 9.32  |
|     | -13.7             | -15.0 | 24.13                  | 11.19 | 23.51 | 10.90 | 22.83 | 10.41 | 22.48 | 10.11 | 22.12 | 9.76  | 21.38 | 9.01  |
|     | -11.8             | -13.0 | 24.17                  | 10.94 | 23.51 | 10.62 | 22.83 | 10.06 | 22.48 | 9.73  | 22.12 | 9.38  | 21.38 | 8.60  |
|     | -9.8              | -11.0 | 24.17                  | 10.66 | 23.51 | 10.21 | 22.83 | 9.60  | 22.48 | 9.28  | 22.12 | 8.94  | 21.38 | 8.20  |
|     | -9.5              | -10.0 | 24.17                  | 10.29 | 23.51 | 9.82  | 22.83 | 9.24  | 22.48 | 8.88  | 22.12 | 8.54  | 21.38 | 7.86  |
|     | -8.5              | -9.1  | 24.17                  | 10.00 | 23.51 | 9.50  | 22.83 | 8.90  | 22.48 | 8.54  | 22.12 | 8.18  | 21.38 | 7.71  |
|     | -7.0              | -7.6  | 24.17                  | 9.68  | 23.51 | 9.16  | 22.83 | 8.52  | 22.48 | 8.16  | 22.12 | 7.83  | 21.38 | 7.48  |
|     | -5.0              | -5.6  | 23.73                  | 9.16  | 23.09 | 8.63  | 22.43 | 7.96  | 22.09 | 7.62  | 21.74 | 7.39  | 21.01 | 7.05  |
|     | -3.0              | -3.7  | 24.44                  | 8.96  | 23.77 | 8.38  | 23.08 | 7.68  | 22.73 | 7.44  | 22.36 | 7.20  | 21.60 | 6.85  |
|     | 0.0               | -0.7  | 26.29                  | 8.68  | 25.55 | 8.08  | 24.79 | 7.64  | 24.39 | 7.46  | 23.98 | 7.20  | 23.13 | 6.78  |
|     | 3.0               | 2.2   | 29.30                  | 8.68  | 28.44 | 8.21  | 27.53 | 7.82  | 27.06 | 7.61  | 26.58 | 7.42  | 25.57 | 6.92  |
|     | 5.0               | 4.1   | 31.74                  | 8.81  | 30.76 | 8.38  | 29.74 | 7.95  | 29.21 | 7.71  | 28.25 | 7.37  | 27.29 | 6.98  |
|     | 7.0               | 6.0   | 36.08                  | 9.45  | 34.57 | 8.80  | 33.60 | 8.15  | 32.20 | 7.75  | 30.79 | 7.25  | 28.01 | 6.54  |
|     | 9.0               | 7.9   | 36.50                  | 8.88  | 35.37 | 8.24  | 33.60 | 7.67  | 32.20 | 7.26  | 30.79 | 6.89  | 28.01 | 6.26  |
|     | 11.0              | 9.8   | 37.47                  | 8.56  | 36.40 | 7.95  | 33.60 | 7.17  | 32.20 | 6.85  | 30.79 | 6.53  | 28.01 | 5.91  |
|     | 13.0              | 11.8  | 38.30                  | 8.12  | 36.40 | 7.41  | 33.60 | 6.75  | 32.20 | 6.45  | 30.79 | 6.16  | 28.01 | 5.56  |
|     | 15.0              | 13.7  | 39.20                  | 7.68  | 36.40 | 7.00  | 33.60 | 6.39  | 32.20 | 6.08  | 30.79 | 5.82  | 28.01 | 5.24  |
|     | 18.0              | 16.6  | 39.20                  | 7.05  | 36.40 | 6.50  | 33.60 | 5.92  | 32.20 | 5.60  | 30.79 | 5.33  | 28.01 | 4.78  |
|     | 21.0              | 19.5  | 39.20                  | 6.49  | 36.40 | 5.92  | 33.60 | 5.37  | 32.20 | 5.09  | 30.79 | 4.85  | 28.01 | 4.37  |
|     | 24.0              | 22.4  | 39.20                  | 5.90  | 36.40 | 5.43  | 33.60 | 4.97  | 32.20 | 4.64  | 30.79 | 4.37  | 28.01 | 3.90  |
|     | 27.0              | 25.3  | 39.20                  | 5.25  | 36.40 | 4.77  | 33.60 | 4.30  | 32.20 | 4.09  | 30.79 | 3.89  | 28.01 | 3.48  |
|     | 30.0              | 28.1  | 39.20                  | 4.68  | 36.40 | 4.19  | 33.60 | 3.72  | 32.20 | 3.60  | 30.79 | 3.46  | 28.01 | 3.11  |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.19:18HP heating capacity(continued)

| CR  | Outdoor air temp. |       | Indoor air temp. °C DB |      |       |      |       |      |       |      |       |      |       |      |
|-----|-------------------|-------|------------------------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
|     |                   |       | 16.0                   |      | 18.0  |      | 20.0  |      | 21.0  |      | 22.0  |      | 24.0  |      |
|     |                   |       | TC                     | PI   | TC    | PI   | TC    | PI   | TC    | PI   | TC    | PI   | TC    | PI   |
|     | °C DB             | °C WB | kW                     | kW   | kW    | kW   | kW    | kW   | kW    | kW   | kW    | kW   | kW    | kW   |
| 50% | -30.0             | -30.5 | 19.40                  | 9.18 | 18.99 | 9.25 | 18.51 | 9.04 | 18.21 | 8.87 | 17.93 | 8.76 | 17.33 | 8.42 |
|     | -25.0             | -25.4 | 19.79                  | 9.43 | 19.31 | 9.24 | 18.78 | 8.96 | 18.48 | 8.76 | 18.19 | 8.56 | 17.58 | 8.14 |
|     | -19.8             | -20.0 | 20.14                  | 9.67 | 19.59 | 9.23 | 19.03 | 8.87 | 18.74 | 8.64 | 18.44 | 8.35 | 17.81 | 7.87 |
|     | -18.8             | -19.0 | 20.14                  | 9.49 | 19.59 | 9.05 | 19.03 | 8.59 | 18.74 | 8.36 | 18.44 | 8.09 | 17.81 | 7.57 |
|     | -16.7             | -17.0 | 20.14                  | 9.29 | 19.59 | 8.83 | 19.03 | 8.30 | 18.74 | 8.06 | 18.44 | 7.75 | 17.81 | 7.31 |
|     | -13.7             | -15.0 | 20.14                  | 9.10 | 19.59 | 8.59 | 19.03 | 8.04 | 18.74 | 7.78 | 18.44 | 7.44 | 17.81 | 7.12 |
|     | -11.8             | -13.0 | 20.14                  | 8.76 | 19.59 | 8.27 | 19.03 | 7.69 | 18.74 | 7.42 | 18.44 | 7.16 | 17.81 | 6.85 |
|     | -9.8              | -11.0 | 20.14                  | 8.34 | 19.59 | 7.86 | 19.03 | 7.33 | 18.74 | 7.11 | 18.44 | 6.90 | 17.81 | 6.58 |
|     | -9.5              | -10.0 | 20.14                  | 7.97 | 19.59 | 7.51 | 19.03 | 7.01 | 18.74 | 6.84 | 18.44 | 6.70 | 17.81 | 6.41 |
|     | -8.5              | -9.1  | 20.14                  | 7.67 | 19.59 | 7.18 | 19.03 | 6.84 | 18.74 | 6.70 | 18.44 | 6.56 | 17.81 | 6.28 |
|     | -7.0              | -7.6  | 20.14                  | 7.32 | 19.59 | 6.89 | 19.03 | 6.63 | 18.74 | 6.50 | 18.44 | 6.36 | 17.81 | 6.09 |
|     | -5.0              | -5.6  | 19.77                  | 6.82 | 19.24 | 6.50 | 18.69 | 6.24 | 18.41 | 6.10 | 18.11 | 5.99 | 17.51 | 5.73 |
|     | -3.0              | -3.7  | 20.36                  | 6.66 | 19.81 | 6.34 | 19.24 | 6.07 | 18.94 | 5.96 | 18.63 | 5.83 | 18.00 | 5.63 |
|     | 0.0               | -0.7  | 21.91                  | 6.69 | 21.29 | 6.35 | 20.66 | 6.07 | 20.33 | 5.91 | 19.99 | 5.81 | 19.28 | 5.62 |
|     | 3.0               | 2.2   | 24.42                  | 6.85 | 23.70 | 6.56 | 22.95 | 6.21 | 22.56 | 6.08 | 22.15 | 5.98 | 21.31 | 5.79 |
|     | 5.0               | 4.1   | 26.45                  | 6.93 | 25.64 | 6.64 | 24.78 | 6.32 | 24.34 | 6.22 | 23.55 | 5.97 | 22.74 | 5.77 |
|     | 7.0               | 6.0   | 30.07                  | 7.14 | 28.81 | 6.72 | 28.00 | 6.51 | 26.84 | 6.22 | 25.67 | 5.92 | 23.33 | 5.36 |
|     | 9.0               | 7.9   | 30.41                  | 6.80 | 29.47 | 6.52 | 28.01 | 6.19 | 26.84 | 5.91 | 25.67 | 5.68 | 23.33 | 5.11 |
|     | 11.0              | 9.8   | 31.22                  | 6.57 | 30.33 | 6.37 | 28.01 | 5.86 | 26.84 | 5.60 | 25.67 | 5.33 | 23.33 | 4.84 |
|     | 13.0              | 11.8  | 31.92                  | 6.32 | 30.33 | 5.99 | 28.01 | 5.51 | 26.84 | 5.27 | 25.67 | 5.03 | 23.33 | 4.56 |
|     | 15.0              | 13.7  | 32.67                  | 6.10 | 30.33 | 5.67 | 28.01 | 5.21 | 26.84 | 4.97 | 25.67 | 4.76 | 23.33 | 4.32 |
|     | 18.0              | 16.6  | 32.67                  | 5.61 | 30.33 | 5.19 | 28.01 | 4.76 | 26.84 | 4.56 | 25.67 | 4.34 | 23.33 | 3.93 |
|     | 21.0              | 19.5  | 32.67                  | 5.15 | 30.33 | 4.72 | 28.01 | 4.30 | 26.84 | 4.14 | 25.67 | 3.94 | 23.33 | 3.56 |
|     | 24.0              | 22.4  | 32.67                  | 4.65 | 30.33 | 4.23 | 28.01 | 3.86 | 26.84 | 3.70 | 25.67 | 3.48 | 23.33 | 3.12 |
|     | 27.0              | 25.3  | 32.67                  | 4.10 | 30.33 | 3.78 | 28.01 | 3.42 | 26.84 | 3.26 | 25.67 | 3.08 | 23.33 | 2.77 |
|     | 30.0              | 28.1  | 32.67                  | 3.62 | 30.33 | 3.37 | 28.01 | 3.03 | 26.84 | 2.87 | 25.67 | 2.73 | 23.33 | 2.46 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

## V8 PRO VRF 50Hz



Table 2-8.20: 20HP heating capacity

| CR   | Outdoor air temp. |       | Indoor air temp. °C DB |       |       |       |       |       |       |       |       |       |       |       |
|------|-------------------|-------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|      |                   |       | 16.0                   |       | 18.0  |       | 20.0  |       | 21.0  |       | 22.0  |       | 24.0  |       |
|      | °C DB             | °C WB | TC                     | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    |
| 130% | -30.0             | -30.5 | 44.38                  | 15.14 | 43.52 | 15.64 | 42.67 | 16.16 | 42.24 | 16.44 | 41.82 | 16.73 | 40.96 | 17.21 |
|      | -25.0             | -25.4 | 44.38                  | 15.39 | 43.52 | 15.85 | 42.67 | 16.29 | 42.24 | 16.53 | 41.82 | 16.76 | 40.96 | 17.20 |
|      | -19.8             | -20.0 | 44.38                  | 15.65 | 43.52 | 16.05 | 42.67 | 16.42 | 42.24 | 16.62 | 41.82 | 16.79 | 40.96 | 17.19 |
|      | -18.8             | -19.0 | 44.38                  | 15.66 | 43.52 | 16.04 | 42.67 | 16.41 | 42.24 | 16.59 | 41.82 | 16.78 | 40.96 | 17.16 |
|      | -16.7             | -17.0 | 44.38                  | 15.65 | 43.52 | 16.02 | 42.67 | 16.38 | 42.24 | 16.56 | 41.82 | 16.72 | 41.30 | 17.24 |
|      | -13.7             | -15.0 | 44.38                  | 15.70 | 43.86 | 16.20 | 43.09 | 16.58 | 42.71 | 16.77 | 42.32 | 16.96 | 41.56 | 17.34 |
|      | -11.8             | -13.0 | 44.92                  | 15.83 | 44.14 | 16.18 | 44.06 | 16.83 | 43.70 | 17.03 | 43.35 | 17.22 | 42.64 | 17.64 |
|      | -9.8              | -11.0 | 46.01                  | 16.10 | 45.29 | 16.48 | 44.56 | 16.90 | 44.20 | 17.08 | 43.84 | 17.28 | 43.11 | 17.69 |
|      | -9.5              | -10.0 | 46.27                  | 16.04 | 45.54 | 16.43 | 44.81 | 16.81 | 44.44 | 17.02 | 44.07 | 17.20 | 43.34 | 17.60 |
|      | -8.5              | -9.1  | 46.50                  | 16.07 | 45.76 | 16.47 | 45.02 | 16.86 | 44.65 | 17.04 | 44.28 | 17.24 | 43.53 | 17.63 |
|      | -7.0              | -7.6  | 46.87                  | 16.10 | 46.12 | 16.49 | 45.36 | 16.86 | 44.98 | 17.05 | 44.60 | 17.23 | 43.85 | 17.63 |
|      | -5.0              | -5.6  | 46.55                  | 15.84 | 45.79 | 16.20 | 45.03 | 16.57 | 44.65 | 16.76 | 44.27 | 16.95 | 43.50 | 17.32 |
|      | -3.0              | -3.7  | 48.24                  | 16.07 | 47.46 | 16.42 | 46.66 | 16.79 | 46.26 | 16.99 | 45.87 | 17.16 | 45.07 | 17.54 |
|      | 0.0               | -0.7  | 52.33                  | 16.82 | 51.48 | 17.18 | 50.62 | 17.59 | 50.19 | 17.79 | 49.76 | 17.97 | 48.89 | 18.36 |
|      | 3.0               | 2.2   | 58.69                  | 18.23 | 57.75 | 18.64 | 56.80 | 19.09 | 56.32 | 19.30 | 55.85 | 19.49 | 54.89 | 19.93 |
|      | 5.0               | 4.1   | 63.86                  | 19.41 | 62.85 | 19.87 | 61.84 | 20.31 | 61.33 | 20.53 | 60.81 | 20.77 | 59.78 | 21.23 |
|      | 7.0               | 6.0   | 72.99                  | 21.72 | 71.59 | 22.16 | 70.18 | 22.57 | 69.48 | 22.79 | 68.78 | 23.00 | 67.37 | 22.86 |
|      | 9.0               | 7.9   | 75.32                  | 21.98 | 73.88 | 22.41 | 72.43 | 22.82 | 71.70 | 23.06 | 70.98 | 23.27 | 68.26 | 22.09 |
|      | 11.0              | 9.8   | 77.66                  | 22.19 | 76.17 | 22.63 | 74.67 | 23.08 | 73.93 | 23.31 | 73.18 | 23.20 | 68.26 | 21.02 |
|      | 13.0              | 11.8  | 80.00                  | 22.39 | 78.46 | 22.86 | 76.92 | 23.30 | 76.15 | 23.40 | 75.07 | 22.65 | 68.26 | 19.67 |
|      | 15.0              | 13.7  | 82.33                  | 22.57 | 80.75 | 23.08 | 79.17 | 23.54 | 78.37 | 22.99 | 75.07 | 21.59 | 68.26 | 18.38 |
|      | 18.0              | 16.6  | 85.84                  | 23.13 | 84.18 | 23.64 | 81.91 | 22.30 | 78.51 | 20.52 | 75.07 | 18.84 | 68.26 | 15.66 |
|      | 21.0              | 19.5  | 89.34                  | 23.48 | 87.62 | 23.27 | 81.91 | 20.98 | 78.51 | 19.28 | 75.07 | 17.57 | 68.26 | 14.51 |
|      | 24.0              | 22.4  | 92.84                  | 23.81 | 88.74 | 22.27 | 81.91 | 19.26 | 78.51 | 17.61 | 75.07 | 16.08 | 68.26 | 13.42 |
|      | 27.0              | 25.3  | 92.84                  | 22.56 | 88.74 | 20.43 | 81.91 | 17.25 | 78.51 | 15.74 | 75.07 | 14.34 | 68.26 | 12.13 |
|      | 30.0              | 28.1  | 95.69                  | 22.02 | 88.74 | 18.74 | 81.91 | 15.44 | 78.51 | 14.07 | 75.07 | 12.78 | 68.26 | 10.97 |
| 120% | -30.0             | -30.5 | 42.43                  | 14.82 | 41.61 | 15.34 | 40.79 | 15.86 | 40.39 | 16.14 | 39.98 | 16.39 | 39.16 | 16.91 |
|      | -25.0             | -25.4 | 42.43                  | 15.08 | 41.61 | 15.53 | 40.79 | 15.98 | 40.39 | 16.20 | 39.98 | 16.43 | 39.16 | 16.87 |
|      | -19.8             | -20.0 | 42.43                  | 15.35 | 41.61 | 15.71 | 40.79 | 16.09 | 40.39 | 16.27 | 39.98 | 16.46 | 39.16 | 16.83 |
|      | -18.8             | -19.0 | 42.43                  | 15.36 | 41.61 | 15.71 | 40.79 | 16.06 | 40.39 | 16.24 | 39.98 | 16.42 | 39.16 | 16.79 |
|      | -16.7             | -17.0 | 42.43                  | 15.35 | 41.61 | 15.69 | 41.14 | 16.19 | 40.78 | 16.37 | 40.41 | 16.54 | 39.69 | 16.93 |
|      | -13.7             | -15.0 | 42.89                  | 15.57 | 42.15 | 15.94 | 42.02 | 16.57 | 41.69 | 16.75 | 41.35 | 16.97 | 40.69 | 17.40 |
|      | -11.8             | -13.0 | 43.88                  | 15.86 | 43.20 | 16.25 | 42.52 | 16.63 | 42.18 | 16.84 | 41.83 | 17.05 | 41.15 | 17.45 |
|      | -9.8              | -11.0 | 44.40                  | 15.91 | 43.69 | 16.32 | 42.99 | 16.69 | 42.64 | 16.90 | 42.29 | 17.09 | 41.58 | 17.48 |
|      | -9.5              | -10.0 | 44.64                  | 15.87 | 43.93 | 16.26 | 43.22 | 16.64 | 42.86 | 16.81 | 42.50 | 17.01 | 41.79 | 17.40 |
|      | -8.5              | -9.1  | 44.85                  | 15.90 | 44.13 | 16.29 | 43.41 | 16.65 | 43.05 | 16.84 | 42.69 | 17.04 | 41.97 | 17.43 |
|      | -7.0              | -7.6  | 45.19                  | 15.93 | 44.46 | 16.31 | 43.73 | 16.67 | 43.36 | 16.86 | 42.99 | 17.05 | 42.25 | 17.43 |
|      | -5.0              | -5.6  | 44.86                  | 15.68 | 44.12 | 16.05 | 43.38 | 16.39 | 43.01 | 16.58 | 42.64 | 16.76 | 41.90 | 17.11 |
|      | -3.0              | -3.7  | 46.49                  | 15.92 | 45.72 | 16.27 | 44.95 | 16.62 | 44.57 | 16.80 | 44.18 | 16.98 | 43.41 | 17.35 |
|      | 0.0               | -0.7  | 50.44                  | 16.66 | 49.61 | 17.05 | 48.78 | 17.43 | 48.36 | 17.62 | 47.94 | 17.80 | 47.10 | 18.19 |
|      | 3.0               | 2.2   | 56.60                  | 18.13 | 55.67 | 18.55 | 54.76 | 18.95 | 54.30 | 19.14 | 53.84 | 19.36 | 52.53 | 19.15 |
|      | 5.0               | 4.1   | 61.61                  | 19.32 | 60.64 | 19.77 | 59.64 | 20.22 | 59.14 | 20.44 | 58.65 | 20.65 | 56.70 | 19.75 |
|      | 7.0               | 6.0   | 69.78                  | 21.46 | 68.44 | 21.87 | 67.62 | 22.48 | 67.01 | 22.70 | 66.26 | 22.52 | 63.00 | 20.92 |
|      | 9.0               | 7.9   | 72.01                  | 21.72 | 70.63 | 22.14 | 69.81 | 22.79 | 69.10 | 22.76 | 67.86 | 22.04 | 63.00 | 19.62 |
|      | 11.0              | 9.8   | 74.24                  | 21.94 | 72.82 | 22.40 | 71.99 | 22.98 | 70.68 | 22.21 | 69.31 | 21.48 | 63.00 | 18.36 |
|      | 13.0              | 11.8  | 76.48                  | 22.19 | 75.57 | 22.80 | 73.54 | 22.46 | 72.46 | 21.67 | 69.31 | 20.36 | 63.00 | 17.07 |
|      | 15.0              | 13.7  | 78.71                  | 22.44 | 77.81 | 23.08 | 75.60 | 22.03 | 72.46 | 20.63 | 69.31 | 19.01 | 63.00 | 15.89 |
|      | 18.0              | 16.6  | 82.06                  | 22.99 | 80.48 | 21.91 | 75.60 | 19.13 | 72.46 | 17.64 | 69.31 | 16.20 | 63.00 | 13.74 |
|      | 21.0              | 19.5  | 85.41                  | 22.68 | 81.91 | 21.08 | 75.60 | 17.90 | 72.46 | 16.38 | 69.31 | 15.04 | 63.00 | 12.66 |
|      | 24.0              | 22.4  | 88.21                  | 22.13 | 81.91 | 19.30 | 75.60 | 16.38 | 72.46 | 15.01 | 69.31 | 13.82 | 63.00 | 11.57 |
|      | 27.0              | 25.3  | 88.21                  | 20.22 | 81.91 | 17.31 | 75.60 | 14.58 | 72.46 | 13.51 | 69.31 | 12.51 | 63.00 | 10.49 |
|      | 30.0              | 28.1  | 88.21                  | 18.48 | 81.91 | 15.53 | 75.60 | 12.98 | 72.46 | 12.16 | 69.31 | 11.32 | 63.00 | 9.51  |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.20:20HP heating capacity(continued)

| CR   | Outdoor air temp. |       | Indoor air temp. °C DB |       |       |       |       |       |       |       |       |       |       |       |
|------|-------------------|-------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|      |                   |       | 16.0                   |       | 18.0  |       | 20.0  |       | 21.0  |       | 22.0  |       | 24.0  |       |
|      |                   |       | TC                     | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    |
|      | °C DB             | °C WB | kW                     | kW    | kW    | kW    | kW    | kW    | kW    | kW    | kW    | kW    | kW    | kW    |
| 110% | -30.0             | -30.5 | 40.08                  | 14.46 | 39.30 | 14.95 | 38.53 | 15.42 | 38.15 | 15.71 | 37.76 | 15.90 | 36.99 | 16.37 |
|      | -25.0             | -25.4 | 40.08                  | 14.67 | 39.30 | 15.09 | 38.53 | 15.52 | 38.15 | 15.74 | 37.76 | 15.92 | 36.99 | 16.34 |
|      | -19.8             | -20.0 | 40.08                  | 14.88 | 39.30 | 15.23 | 38.53 | 15.61 | 38.15 | 15.77 | 38.07 | 16.07 | 37.39 | 16.49 |
|      | -18.8             | -19.0 | 40.08                  | 14.90 | 39.30 | 15.22 | 38.88 | 15.73 | 38.53 | 15.90 | 38.19 | 16.11 | 37.50 | 16.51 |
|      | -16.7             | -17.0 | 40.52                  | 15.05 | 39.82 | 15.42 | 39.72 | 16.04 | 39.41 | 16.24 | 39.10 | 16.44 | 38.48 | 16.87 |
|      | -13.7             | -15.0 | 41.49                  | 15.49 | 40.84 | 15.88 | 40.20 | 16.28 | 39.88 | 16.47 | 39.56 | 16.68 | 38.91 | 17.08 |
|      | -11.8             | -13.0 | 41.97                  | 15.56 | 41.31 | 15.95 | 40.65 | 16.35 | 40.32 | 16.53 | 39.99 | 16.74 | 39.32 | 17.13 |
|      | -9.8              | -11.0 | 42.43                  | 15.67 | 41.75 | 16.03 | 41.08 | 16.41 | 40.73 | 16.58 | 40.39 | 16.78 | 39.71 | 17.17 |
|      | -9.5              | -10.0 | 42.65                  | 15.61 | 41.97 | 15.96 | 41.28 | 16.34 | 40.93 | 16.53 | 40.59 | 16.71 | 39.90 | 17.10 |
|      | -8.5              | -9.1  | 42.84                  | 15.64 | 42.15 | 15.99 | 41.45 | 16.37 | 41.11 | 16.55 | 40.76 | 16.73 | 40.06 | 17.11 |
|      | -7.0              | -7.6  | 43.15                  | 15.67 | 42.44 | 16.01 | 41.74 | 16.39 | 41.38 | 16.56 | 41.03 | 16.75 | 40.32 | 17.10 |
|      | -5.0              | -5.6  | 42.80                  | 15.41 | 42.09 | 15.76 | 41.38 | 16.10 | 41.02 | 16.28 | 40.66 | 16.45 | 39.95 | 16.81 |
|      | -3.0              | -3.7  | 44.35                  | 15.65 | 43.61 | 15.98 | 42.87 | 16.34 | 42.50 | 16.50 | 42.13 | 16.68 | 41.39 | 17.03 |
|      | 0.0               | -0.7  | 48.11                  | 16.44 | 47.32 | 16.80 | 46.52 | 17.16 | 46.12 | 17.35 | 45.71 | 17.53 | 44.44 | 17.29 |
|      | 3.0               | 2.2   | 54.02                  | 17.91 | 53.15 | 18.31 | 52.26 | 18.72 | 51.81 | 18.92 | 51.14 | 18.59 | 49.29 | 17.60 |
|      | 5.0               | 4.1   | 58.87                  | 19.15 | 57.92 | 19.57 | 56.96 | 20.02 | 56.28 | 19.80 | 55.27 | 19.16 | 53.15 | 17.81 |
|      | 7.0               | 6.0   | 66.62                  | 21.25 | 65.46 | 21.70 | 64.19 | 21.85 | 63.26 | 21.21 | 62.11 | 20.52 | 57.76 | 18.13 |
|      | 9.0               | 7.9   | 68.78                  | 21.54 | 67.58 | 22.03 | 65.96 | 21.39 | 64.75 | 20.71 | 63.54 | 19.98 | 57.76 | 16.94 |
|      | 11.0              | 9.8   | 70.94                  | 21.84 | 69.65 | 22.18 | 67.43 | 20.84 | 66.41 | 20.21 | 63.54 | 18.72 | 57.76 | 15.77 |
|      | 13.0              | 11.8  | 73.13                  | 22.11 | 71.45 | 21.72 | 69.31 | 20.37 | 66.41 | 18.90 | 63.54 | 17.42 | 57.76 | 14.59 |
|      | 15.0              | 13.7  | 75.25                  | 22.25 | 72.92 | 21.13 | 69.31 | 19.09 | 66.41 | 17.61 | 63.54 | 16.20 | 57.76 | 13.73 |
|      | 18.0              | 16.6  | 77.51                  | 20.87 | 75.07 | 18.90 | 69.31 | 16.22 | 66.41 | 14.92 | 63.54 | 13.94 | 57.76 | 12.03 |
|      | 21.0              | 19.5  | 80.68                  | 20.40 | 75.07 | 17.63 | 69.31 | 14.99 | 66.41 | 13.81 | 63.54 | 12.89 | 57.76 | 11.02 |
|      | 24.0              | 22.4  | 80.86                  | 18.80 | 75.07 | 16.19 | 69.31 | 13.86 | 66.41 | 12.73 | 63.54 | 11.86 | 57.76 | 9.95  |
|      | 27.0              | 25.3  | 80.86                  | 16.84 | 75.07 | 14.40 | 69.31 | 12.52 | 66.41 | 11.66 | 63.54 | 10.75 | 57.76 | 8.88  |
|      | 30.0              | 28.1  | 80.86                  | 15.08 | 75.07 | 12.81 | 69.31 | 11.31 | 66.41 | 10.68 | 63.54 | 9.74  | 57.76 | 7.93  |
| 100% | -30.0             | -30.5 | 39.84                  | 14.84 | 39.07 | 15.32 | 38.30 | 15.82 | 37.92 | 16.02 | 37.54 | 16.28 | 36.77 | 16.78 |
|      | -25.0             | -25.4 | 39.84                  | 15.03 | 39.07 | 15.45 | 38.30 | 15.89 | 37.92 | 16.08 | 37.54 | 16.30 | 36.77 | 16.74 |
|      | -19.8             | -20.0 | 39.84                  | 15.22 | 39.07 | 15.58 | 38.30 | 15.96 | 37.92 | 16.14 | 37.84 | 16.46 | 37.16 | 16.88 |
|      | -18.8             | -19.0 | 39.84                  | 15.24 | 39.07 | 15.60 | 38.64 | 16.10 | 38.30 | 16.32 | 37.96 | 16.49 | 37.28 | 16.90 |
|      | -16.7             | -17.0 | 40.28                  | 15.42 | 39.58 | 15.78 | 39.48 | 16.42 | 39.18 | 16.64 | 38.87 | 16.85 | 38.25 | 17.28 |
|      | -13.7             | -15.0 | 41.23                  | 15.85 | 40.59 | 16.26 | 39.96 | 16.67 | 39.64 | 16.89 | 39.32 | 17.09 | 38.69 | 17.52 |
|      | -11.8             | -13.0 | 41.72                  | 15.98 | 41.06 | 16.36 | 40.41 | 16.76 | 40.08 | 16.95 | 39.75 | 17.15 | 39.10 | 17.56 |
|      | -9.8              | -11.0 | 42.18                  | 16.06 | 41.50 | 16.43 | 40.83 | 16.82 | 40.49 | 17.02 | 40.15 | 17.22 | 39.48 | 17.60 |
|      | -9.5              | -10.0 | 42.39                  | 16.01 | 41.71 | 16.38 | 41.03 | 16.76 | 40.69 | 16.96 | 40.35 | 17.16 | 39.66 | 17.54 |
|      | -8.5              | -9.1  | 42.58                  | 16.05 | 41.90 | 16.42 | 41.21 | 16.81 | 40.86 | 16.99 | 40.52 | 17.18 | 39.82 | 17.55 |
|      | -7.0              | -7.6  | 42.89                  | 16.09 | 42.19 | 16.45 | 41.49 | 16.82 | 41.14 | 17.01 | 40.79 | 17.19 | 40.08 | 17.56 |
|      | -5.0              | -5.6  | 42.52                  | 15.86 | 41.82 | 16.21 | 41.12 | 16.58 | 40.77 | 16.75 | 40.41 | 16.92 | 39.39 | 16.76 |
|      | -3.0              | -3.7  | 44.05                  | 16.14 | 43.33 | 16.47 | 42.59 | 16.82 | 42.23 | 17.01 | 41.86 | 17.20 | 40.50 | 16.48 |
|      | 0.0               | -0.7  | 47.79                  | 16.98 | 47.00 | 17.35 | 46.21 | 17.72 | 45.73 | 17.70 | 44.97 | 17.48 | 43.37 | 16.12 |
|      | 3.0               | 2.2   | 53.67                  | 18.54 | 52.79 | 18.93 | 51.62 | 18.77 | 50.75 | 18.60 | 49.84 | 17.86 | 47.95 | 16.16 |
|      | 5.0               | 4.1   | 58.46                  | 19.81 | 57.52 | 20.26 | 55.76 | 19.36 | 54.76 | 18.98 | 52.98 | 17.82 | 51.17 | 16.11 |
|      | 7.0               | 6.0   | 66.18                  | 22.06 | 64.82 | 21.84 | 63.00 | 20.86 | 60.39 | 19.62 | 57.76 | 18.17 | 52.51 | 15.43 |
|      | 9.0               | 7.9   | 68.32                  | 22.40 | 66.32 | 21.35 | 63.00 | 19.78 | 60.39 | 18.37 | 57.76 | 16.99 | 52.51 | 14.35 |
|      | 11.0              | 9.8   | 70.25                  | 22.01 | 68.26 | 20.96 | 63.00 | 18.49 | 60.39 | 17.15 | 57.76 | 15.83 | 52.51 | 13.55 |
|      | 13.0              | 11.8  | 71.81                  | 21.45 | 68.26 | 19.87 | 63.00 | 17.18 | 60.39 | 15.89 | 57.76 | 14.62 | 52.51 | 12.66 |
|      | 15.0              | 13.7  | 73.51                  | 20.93 | 68.26 | 18.56 | 63.00 | 16.00 | 60.39 | 14.78 | 57.76 | 13.74 | 52.51 | 11.83 |
|      | 18.0              | 16.6  | 73.51                  | 18.14 | 68.26 | 15.74 | 63.00 | 13.74 | 60.39 | 12.89 | 57.76 | 12.05 | 52.51 | 10.44 |
|      | 21.0              | 19.5  | 73.51                  | 16.96 | 68.26 | 14.51 | 63.00 | 12.67 | 60.39 | 11.83 | 57.76 | 10.97 | 52.51 | 9.38  |
|      | 24.0              | 22.4  | 73.51                  | 15.50 | 68.26 | 13.48 | 63.00 | 11.64 | 60.39 | 10.75 | 57.76 | 9.90  | 52.51 | 8.53  |
|      | 27.0              | 25.3  | 73.51                  | 13.82 | 68.26 | 12.20 | 63.00 | 10.57 | 60.39 | 9.68  | 57.76 | 8.84  | 52.51 | 7.74  |
|      | 30.0              | 28.1  | 73.51                  | 12.32 | 68.26 | 11.03 | 63.00 | 9.60  | 60.39 | 8.72  | 57.76 | 7.90  | 52.51 | 7.03  |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...



## V8 PRO VRF 50Hz



Table2-8.20:20HP heating capacity(continued)

| CR  | Outdoor air temp. |       | Indoor air temp. °C DB |       |       |       |       |       |       |       |       |       |       |       |
|-----|-------------------|-------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|     |                   |       | 16.0                   |       | 18.0  |       | 20.0  |       | 21.0  |       | 22.0  |       | 24.0  |       |
|     | °C DB             | °C WB | TC                     | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    |
| 90% | -30.0             | -30.5 | 35.85                  | 13.78 | 35.16 | 14.21 | 34.47 | 14.69 | 34.13 | 14.93 | 33.78 | 15.17 | 33.09 | 15.60 |
|     | -25.0             | -25.4 | 35.85                  | 13.98 | 35.16 | 14.38 | 34.47 | 14.78 | 34.13 | 14.99 | 33.78 | 15.19 | 33.09 | 15.57 |
|     | -19.8             | -20.0 | 36.38                  | 14.40 | 36.35 | 15.03 | 35.79 | 15.44 | 35.51 | 15.65 | 35.24 | 15.87 | 34.69 | 16.29 |
|     | -18.8             | -19.0 | 37.14                  | 14.71 | 36.57 | 15.12 | 36.01 | 15.53 | 35.72 | 15.73 | 35.44 | 15.94 | 34.88 | 16.36 |
|     | -16.7             | -17.0 | 37.58                  | 14.90 | 37.00 | 15.28 | 36.42 | 15.68 | 36.12 | 15.89 | 35.83 | 16.08 | 35.25 | 16.48 |
|     | -13.7             | -15.0 | 38.00                  | 15.15 | 37.40 | 15.51 | 36.81 | 15.90 | 36.50 | 16.09 | 36.20 | 16.29 | 35.61 | 16.68 |
|     | -11.8             | -13.0 | 38.40                  | 15.23 | 37.79 | 15.60 | 37.17 | 15.97 | 36.86 | 16.16 | 36.56 | 16.34 | 35.94 | 16.73 |
|     | -9.8              | -11.0 | 38.77                  | 15.32 | 38.14 | 15.68 | 37.51 | 16.05 | 37.19 | 16.23 | 36.88 | 16.42 | 36.07 | 16.35 |
|     | -9.5              | -10.0 | 38.94                  | 15.29 | 38.30 | 15.63 | 37.67 | 15.99 | 37.35 | 16.17 | 37.03 | 16.35 | 36.07 | 15.90 |
|     | -8.5              | -9.1  | 39.09                  | 15.33 | 38.45 | 15.66 | 37.81 | 16.02 | 37.48 | 16.20 | 37.16 | 16.38 | 36.07 | 15.60 |
|     | -7.0              | -7.6  | 39.33                  | 15.37 | 38.68 | 15.70 | 38.03 | 16.06 | 37.70 | 16.25 | 37.33 | 16.29 | 36.07 | 15.11 |
|     | -5.0              | -5.6  | 38.94                  | 15.16 | 38.29 | 15.48 | 37.64 | 15.81 | 37.27 | 15.88 | 36.68 | 15.57 | 35.45 | 14.32 |
|     | -3.0              | -3.7  | 40.34                  | 15.42 | 39.66 | 15.73 | 38.95 | 15.99 | 38.35 | 15.68 | 37.74 | 15.32 | 36.45 | 14.01 |
|     | 0.0               | -0.7  | 43.79                  | 16.26 | 43.05 | 16.62 | 41.83 | 16.28 | 41.16 | 15.67 | 40.47 | 15.01 | 39.04 | 13.66 |
|     | 3.0               | 2.2   | 49.24                  | 17.83 | 47.99 | 17.58 | 46.46 | 16.50 | 45.67 | 15.77 | 44.86 | 15.07 | 43.15 | 13.58 |
|     | 5.0               | 4.1   | 53.57                  | 18.79 | 51.92 | 18.19 | 50.18 | 16.70 | 49.29 | 15.92 | 47.68 | 14.94 | 46.05 | 13.60 |
|     | 7.0               | 6.0   | 60.89                  | 20.40 | 58.34 | 19.19 | 56.70 | 17.64 | 54.35 | 16.41 | 51.98 | 15.19 | 47.26 | 13.16 |
|     | 9.0               | 7.9   | 61.59                  | 19.71 | 59.68 | 18.38 | 56.70 | 16.49 | 54.35 | 15.27 | 51.98 | 14.19 | 47.26 | 12.28 |
|     | 11.0              | 9.8   | 63.23                  | 19.26 | 61.44 | 17.69 | 56.70 | 15.32 | 54.35 | 14.23 | 51.98 | 13.36 | 47.26 | 11.56 |
|     | 13.0              | 11.8  | 64.63                  | 18.33 | 61.44 | 16.42 | 56.70 | 14.23 | 54.35 | 13.36 | 51.98 | 12.56 | 47.26 | 10.75 |
| 80% | 15.0              | 13.7  | 66.16                  | 17.52 | 61.44 | 15.27 | 56.70 | 13.36 | 54.35 | 12.56 | 51.98 | 11.74 | 47.26 | 9.90  |
|     | 18.0              | 16.6  | 66.16                  | 14.77 | 61.44 | 13.19 | 56.70 | 11.70 | 54.35 | 10.97 | 51.98 | 10.27 | 47.26 | 9.04  |
|     | 21.0              | 19.5  | 66.16                  | 13.77 | 61.44 | 12.10 | 56.70 | 10.69 | 54.35 | 9.87  | 51.98 | 9.21  | 47.26 | 8.27  |
|     | 24.0              | 22.4  | 66.16                  | 12.73 | 61.44 | 11.05 | 56.70 | 9.64  | 54.35 | 8.88  | 51.98 | 8.42  | 47.26 | 7.53  |
|     | 27.0              | 25.3  | 66.16                  | 11.52 | 61.44 | 9.96  | 56.70 | 8.64  | 54.35 | 8.04  | 51.98 | 7.61  | 47.26 | 6.74  |
|     | 30.0              | 28.1  | 66.16                  | 10.43 | 61.44 | 8.99  | 56.70 | 7.74  | 54.35 | 7.28  | 51.98 | 6.87  | 47.26 | 6.04  |
|     | -30.0             | -30.5 | 31.87                  | 12.76 | 31.26 | 13.16 | 30.64 | 13.58 | 30.34 | 13.81 | 30.03 | 14.03 | 29.42 | 13.62 |
|     | -25.0             | -25.4 | 32.26                  | 13.10 | 31.71 | 13.50 | 31.69 | 14.14 | 31.46 | 14.38 | 31.22 | 14.61 | 30.38 | 14.45 |
|     | -19.8             | -20.0 | 33.72                  | 13.90 | 33.20 | 14.28 | 32.68 | 14.67 | 32.42 | 14.87 | 32.16 | 15.08 | 31.64 | 15.48 |
|     | -18.8             | -19.0 | 33.91                  | 14.00 | 33.38 | 14.35 | 32.85 | 14.75 | 32.59 | 14.93 | 32.32 | 15.12 | 31.79 | 15.54 |
|     | -16.7             | -17.0 | 34.26                  | 14.15 | 33.72 | 14.50 | 33.17 | 14.88 | 32.90 | 15.05 | 32.63 | 15.25 | 32.06 | 15.58 |
|     | -13.7             | -15.0 | 34.59                  | 14.38 | 34.03 | 14.74 | 33.47 | 15.10 | 33.19 | 15.29 | 32.91 | 15.45 | 32.06 | 15.29 |
|     | -11.8             | -13.0 | 34.89                  | 14.48 | 34.32 | 14.82 | 33.75 | 15.17 | 33.47 | 15.36 | 33.18 | 15.52 | 32.06 | 14.86 |
|     | -9.8              | -11.0 | 35.18                  | 14.57 | 34.60 | 14.90 | 34.01 | 15.23 | 33.72 | 15.41 | 33.18 | 15.13 | 32.06 | 14.31 |
|     | -9.5              | -10.0 | 35.31                  | 14.54 | 34.73 | 14.87 | 34.14 | 15.19 | 33.72 | 15.02 | 33.18 | 14.66 | 32.06 | 13.80 |
|     | -8.5              | -9.1  | 35.43                  | 14.58 | 34.84 | 14.91 | 34.25 | 15.22 | 33.72 | 14.72 | 33.18 | 14.27 | 32.06 | 13.38 |
|     | -7.0              | -7.6  | 35.62                  | 14.63 | 35.03 | 14.94 | 34.25 | 14.83 | 33.72 | 14.31 | 33.18 | 13.85 | 32.06 | 12.90 |
|     | -5.0              | -5.6  | 35.23                  | 14.41 | 34.63 | 14.73 | 33.64 | 14.14 | 33.13 | 13.61 | 32.61 | 13.13 | 31.51 | 12.17 |
|     | -3.0              | -3.7  | 36.48                  | 14.70 | 35.66 | 14.54 | 34.62 | 13.91 | 34.09 | 13.35 | 33.54 | 12.84 | 32.40 | 11.78 |
|     | 0.0               | -0.7  | 39.44                  | 15.07 | 38.33 | 14.62 | 37.18 | 13.54 | 36.59 | 12.99 | 35.97 | 12.44 | 34.70 | 11.38 |
|     | 3.0               | 2.2   | 43.95                  | 15.95 | 42.65 | 14.78 | 41.30 | 13.59 | 40.60 | 12.99 | 39.87 | 12.38 | 38.35 | 11.55 |
|     | 5.0               | 4.1   | 47.61                  | 16.21 | 46.15 | 14.98 | 44.61 | 13.72 | 43.81 | 13.06 | 42.38 | 12.43 | 40.93 | 11.64 |
|     | 7.0               | 6.0   | 54.12                  | 17.26 | 51.86 | 15.70 | 50.40 | 14.39 | 48.31 | 13.58 | 46.20 | 12.74 | 42.00 | 11.18 |
|     | 9.0               | 7.9   | 54.74                  | 16.31 | 53.05 | 14.98 | 50.41 | 13.58 | 48.31 | 12.74 | 46.20 | 11.86 | 42.00 | 10.13 |
|     | 11.0              | 9.8   | 56.20                  | 15.63 | 54.60 | 14.32 | 50.41 | 12.73 | 48.31 | 11.97 | 46.20 | 11.18 | 42.00 | 9.48  |
|     | 13.0              | 11.8  | 57.45                  | 14.80 | 54.60 | 13.43 | 50.41 | 11.91 | 48.31 | 11.13 | 46.20 | 10.36 | 42.00 | 8.89  |
|     | 15.0              | 13.7  | 58.80                  | 14.09 | 54.60 | 12.64 | 50.41 | 11.09 | 48.31 | 10.29 | 46.20 | 9.52  | 42.00 | 8.46  |
|     | 18.0              | 16.6  | 58.80                  | 12.28 | 54.60 | 11.02 | 50.41 | 9.76  | 48.31 | 9.21  | 46.20 | 8.79  | 42.00 | 7.80  |
|     | 21.0              | 19.5  | 58.80                  | 11.29 | 54.60 | 9.95  | 50.41 | 8.84  | 48.31 | 8.43  | 46.20 | 8.04  | 42.00 | 7.20  |
|     | 24.0              | 22.4  | 58.80                  | 10.25 | 54.60 | 8.89  | 50.41 | 8.05  | 48.31 | 7.66  | 46.20 | 7.30  | 42.00 | 6.58  |
|     | 27.0              | 25.3  | 58.80                  | 9.16  | 54.60 | 8.04  | 50.41 | 7.27  | 48.31 | 6.92  | 46.20 | 6.54  | 42.00 | 5.70  |
|     | 30.0              | 28.1  | 58.80                  | 8.20  | 54.60 | 7.27  | 50.41 | 6.56  | 48.31 | 6.25  | 46.20 | 5.86  | 42.00 | 4.94  |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.20:20HP heating capacity(continued)

| CR  | Outdoor air temp. |       | Indoor air temp. °C DB |       |       |       |       |       |       |       |       |       |       |       |
|-----|-------------------|-------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|     |                   |       | 16.0                   |       | 18.0  |       | 20.0  |       | 21.0  |       | 22.0  |       | 24.0  |       |
|     | °C DB             | °C WB | TC                     | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    |
| 70% | -30.0             | -30.5 | 28.23                  | 11.84 | 28.17 | 12.42 | 27.77 | 12.94 | 27.50 | 12.99 | 26.52 | 12.30 | 25.74 | 11.84 |
|     | -25.0             | -25.4 | 29.50                  | 12.59 | 29.06 | 12.98 | 28.61 | 13.42 | 28.36 | 13.55 | 27.91 | 13.35 | 26.92 | 12.80 |
|     | -19.8             | -20.0 | 30.32                  | 13.15 | 29.84 | 13.51 | 29.35 | 13.86 | 29.12 | 14.06 | 28.88 | 14.23 | 28.06 | 13.79 |
|     | -18.8             | -19.0 | 30.45                  | 13.24 | 29.97 | 13.58 | 29.48 | 13.94 | 29.24 | 14.13 | 29.00 | 14.30 | 28.06 | 13.54 |
|     | -16.7             | -17.0 | 30.72                  | 13.39 | 30.22 | 13.72 | 29.72 | 14.06 | 29.47 | 14.25 | 29.04 | 14.01 | 28.06 | 13.16 |
|     | -13.7             | -15.0 | 30.97                  | 13.62 | 30.46 | 13.94 | 29.95 | 14.29 | 29.51 | 14.03 | 29.04 | 13.78 | 28.06 | 12.85 |
|     | -11.8             | -13.0 | 31.20                  | 13.71 | 30.68 | 14.02 | 29.97 | 13.93 | 29.51 | 13.67 | 29.04 | 13.36 | 28.06 | 12.40 |
|     | -9.8              | -11.0 | 31.42                  | 13.78 | 30.86 | 14.00 | 29.97 | 13.56 | 29.51 | 13.21 | 29.04 | 12.77 | 28.06 | 11.82 |
|     | -9.5              | -10.0 | 31.52                  | 13.76 | 30.86 | 13.63 | 29.97 | 13.12 | 29.51 | 12.76 | 29.04 | 12.30 | 28.06 | 11.33 |
|     | -8.5              | -9.1  | 31.62                  | 13.80 | 30.86 | 13.37 | 29.97 | 12.75 | 29.51 | 12.38 | 29.04 | 11.90 | 28.06 | 10.90 |
|     | -7.0              | -7.6  | 31.72                  | 13.70 | 30.86 | 13.01 | 29.97 | 12.34 | 29.51 | 11.96 | 29.04 | 11.46 | 28.06 | 10.46 |
|     | -5.0              | -5.6  | 31.14                  | 13.08 | 30.30 | 12.37 | 29.44 | 11.68 | 28.99 | 11.27 | 28.53 | 10.78 | 27.58 | 9.87  |
|     | -3.0              | -3.7  | 32.07                  | 12.91 | 31.20 | 12.15 | 30.30 | 11.33 | 29.83 | 10.88 | 29.35 | 10.44 | 28.35 | 9.58  |
|     | 0.0               | -0.7  | 34.51                  | 12.69 | 33.54 | 11.82 | 32.53 | 10.92 | 32.01 | 10.52 | 31.48 | 10.20 | 30.36 | 9.55  |
|     | 3.0               | 2.2   | 38.46                  | 12.80 | 37.32 | 11.84 | 36.14 | 11.03 | 35.52 | 10.70 | 34.89 | 10.39 | 33.56 | 9.71  |
|     | 5.0               | 4.1   | 41.66                  | 12.93 | 40.38 | 11.93 | 39.03 | 11.20 | 38.33 | 10.92 | 37.09 | 10.34 | 35.82 | 9.67  |
|     | 7.0               | 6.0   | 47.36                  | 13.69 | 45.38 | 12.66 | 44.10 | 11.91 | 42.26 | 11.28 | 40.43 | 10.46 | 36.76 | 9.04  |
|     | 9.0               | 7.9   | 47.90                  | 12.95 | 46.42 | 12.15 | 44.10 | 10.95 | 42.26 | 10.19 | 40.43 | 9.57  | 36.76 | 8.50  |
|     | 11.0              | 9.8   | 49.18                  | 12.52 | 47.78 | 11.72 | 44.10 | 10.17 | 42.26 | 9.52  | 40.43 | 8.99  | 36.76 | 8.05  |
| 60% | 13.0              | 11.8  | 50.27                  | 11.99 | 47.78 | 10.90 | 44.10 | 9.44  | 42.26 | 8.96  | 40.43 | 8.50  | 36.76 | 7.58  |
|     | 15.0              | 13.7  | 51.46                  | 11.44 | 47.78 | 10.04 | 44.10 | 8.98  | 42.26 | 8.49  | 40.43 | 8.04  | 36.76 | 7.19  |
|     | 18.0              | 16.6  | 51.46                  | 10.00 | 47.78 | 9.04  | 44.10 | 8.28  | 42.26 | 7.84  | 40.43 | 7.39  | 36.76 | 6.58  |
|     | 21.0              | 19.5  | 51.46                  | 9.00  | 47.78 | 8.27  | 44.10 | 7.57  | 42.26 | 7.19  | 40.43 | 6.74  | 36.76 | 6.00  |
|     | 24.0              | 22.4  | 51.46                  | 8.15  | 47.78 | 7.50  | 44.10 | 6.88  | 42.26 | 6.58  | 40.43 | 6.12  | 36.76 | 5.39  |
|     | 27.0              | 25.3  | 51.46                  | 7.39  | 47.78 | 6.77  | 44.10 | 6.04  | 42.26 | 5.69  | 40.43 | 5.35  | 36.76 | 4.72  |
|     | 30.0              | 28.1  | 51.46                  | 6.70  | 47.78 | 6.11  | 44.10 | 5.30  | 42.26 | 4.91  | 40.43 | 4.67  | 36.76 | 4.14  |
|     | -30.0             | -30.5 | 25.43                  | 11.33 | 25.06 | 11.76 | 24.12 | 11.09 | 23.76 | 11.03 | 23.36 | 10.93 | 22.32 | 10.63 |
|     | -25.0             | -25.4 | 26.10                  | 11.87 | 25.69 | 12.25 | 24.96 | 11.89 | 24.58 | 11.70 | 24.18 | 11.49 | 23.36 | 11.04 |
|     | -19.8             | -20.0 | 26.68                  | 12.39 | 26.25 | 12.72 | 25.69 | 12.68 | 25.29 | 12.34 | 24.89 | 12.01 | 24.05 | 11.27 |
|     | -18.8             | -19.0 | 26.78                  | 12.45 | 26.35 | 12.80 | 25.69 | 12.46 | 25.29 | 12.12 | 24.89 | 11.77 | 24.05 | 11.05 |
|     | -16.7             | -17.0 | 26.98                  | 12.61 | 26.45 | 12.67 | 25.69 | 12.18 | 25.29 | 11.82 | 24.89 | 11.41 | 24.05 | 10.65 |
|     | -13.7             | -15.0 | 27.16                  | 12.83 | 26.45 | 12.45 | 25.69 | 11.95 | 25.29 | 11.55 | 24.89 | 11.13 | 24.05 | 10.31 |
|     | -11.8             | -13.0 | 27.19                  | 12.53 | 26.45 | 12.11 | 25.69 | 11.47 | 25.29 | 11.12 | 24.89 | 10.71 | 24.05 | 9.88  |
|     | -9.8              | -11.0 | 27.19                  | 12.21 | 26.45 | 11.67 | 25.69 | 10.95 | 25.29 | 10.59 | 24.89 | 10.20 | 24.05 | 9.48  |
|     | -9.5              | -10.0 | 27.19                  | 11.82 | 26.45 | 11.29 | 25.69 | 10.48 | 25.29 | 10.16 | 24.89 | 9.76  | 24.05 | 9.13  |
|     | -8.5              | -9.1  | 27.19                  | 11.48 | 26.45 | 10.90 | 25.69 | 10.10 | 25.29 | 9.75  | 24.89 | 9.43  | 24.05 | 8.95  |
|     | -7.0              | -7.6  | 27.19                  | 11.12 | 26.45 | 10.52 | 25.69 | 9.66  | 25.29 | 9.38  | 24.89 | 9.10  | 24.05 | 8.66  |
|     | -5.0              | -5.6  | 26.69                  | 10.53 | 25.98 | 9.92  | 25.23 | 9.10  | 24.85 | 8.84  | 24.46 | 8.61  | 23.64 | 8.13  |
|     | -3.0              | -3.7  | 27.49                  | 10.25 | 26.74 | 9.56  | 25.97 | 8.85  | 25.57 | 8.61  | 25.16 | 8.34  | 24.30 | 7.90  |
|     | 0.0               | -0.7  | 29.99                  | 10.11 | 29.17 | 9.54  | 28.33 | 9.09  | 27.89 | 8.80  | 27.45 | 8.50  | 26.52 | 8.02  |
|     | 3.0               | 2.2   | 33.50                  | 10.26 | 32.55 | 9.76  | 31.55 | 9.27  | 31.04 | 9.01  | 30.51 | 8.71  | 29.41 | 8.26  |
|     | 5.0               | 4.1   | 36.37                  | 10.52 | 35.29 | 9.97  | 34.16 | 9.38  | 33.58 | 9.06  | 32.98 | 8.80  | 31.72 | 8.43  |
|     | 7.0               | 6.0   | 41.51                  | 11.30 | 40.18 | 10.62 | 38.29 | 9.44  | 37.74 | 9.28  | 37.04 | 9.09  | 34.51 | 8.43  |
|     | 9.0               | 7.9   | 42.52                  | 10.65 | 41.14 | 9.78  | 39.35 | 9.16  | 38.62 | 8.97  | 37.96 | 8.74  | 34.51 | 7.89  |
|     | 11.0              | 9.8   | 43.51                  | 10.14 | 41.55 | 9.25  | 40.22 | 8.86  | 39.67 | 8.69  | 37.96 | 8.29  | 34.51 | 7.46  |
|     | 13.0              | 11.8  | 44.48                  | 9.55  | 42.62 | 8.94  | 41.40 | 8.64  | 39.67 | 8.19  | 37.96 | 7.80  | 34.51 | 7.02  |
|     | 15.0              | 13.7  | 44.89                  | 9.07  | 43.49 | 8.69  | 41.40 | 8.10  | 39.67 | 7.71  | 37.96 | 7.36  | 34.51 | 6.63  |
|     | 18.0              | 16.6  | 46.23                  | 8.64  | 44.86 | 8.20  | 41.40 | 7.45  | 39.67 | 7.08  | 37.96 | 6.75  | 34.51 | 6.08  |
|     | 21.0              | 19.5  | 48.12                  | 8.21  | 44.86 | 7.52  | 41.40 | 6.80  | 39.67 | 6.50  | 37.96 | 6.11  | 34.51 | 5.49  |
|     | 24.0              | 22.4  | 48.30                  | 7.47  | 44.86 | 6.85  | 41.40 | 6.19  | 39.67 | 5.81  | 37.96 | 5.49  | 34.51 | 4.89  |
|     | 27.0              | 25.3  | 48.30                  | 6.56  | 44.86 | 5.93  | 41.40 | 5.36  | 39.67 | 5.09  | 37.96 | 4.83  | 34.51 | 4.32  |
|     | 30.0              | 28.1  | 48.30                  | 5.77  | 44.86 | 5.13  | 41.40 | 4.64  | 39.67 | 4.45  | 37.96 | 4.24  | 34.51 | 3.82  |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

# V8 PRO VRF 50Hz



Table2-8.20:20HP heating capacity(continued)

| CR  | Outdoor air temp. |       | Indoor air temp. °C DB |       |       |       |       |       |       |       |       |      |       |      |
|-----|-------------------|-------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|------|
|     |                   |       | 16.0                   |       | 18.0  |       | 20.0  |       | 21.0  |       | 22.0  |      | 24.0  |      |
|     |                   |       | TC                     | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI   | TC    | PI   |
| 50% | °C DB             | °C WB | kW                     | kW    | kW    | kW    | kW    | kW    | kW    | kW    | kW    | kW   | kW    | kW   |
|     | -30.0             | -30.5 | 22.16                  | 10.58 | 21.59 | 10.42 | 21.00 | 10.22 | 20.70 | 10.12 | 20.38 | 9.96 | 19.75 | 9.64 |
|     | -25.0             | -25.4 | 22.57                  | 10.91 | 21.98 | 10.58 | 21.37 | 10.22 | 21.06 | 10.03 | 20.74 | 9.81 | 20.07 | 9.41 |
|     | -19.8             | -20.0 | 22.94                  | 11.22 | 22.33 | 10.72 | 21.71 | 10.20 | 21.39 | 9.93  | 21.06 | 9.65 | 20.37 | 9.16 |
|     | -18.8             | -19.0 | 22.94                  | 11.03 | 22.33 | 10.52 | 21.71 | 10.00 | 21.39 | 9.72  | 21.06 | 9.43 | 20.37 | 9.04 |
|     | -16.7             | -17.0 | 22.94                  | 10.78 | 22.33 | 10.26 | 21.71 | 9.69  | 21.39 | 9.34  | 21.06 | 9.07 | 20.37 | 8.74 |
|     | -13.7             | -15.0 | 22.94                  | 10.57 | 22.33 | 10.01 | 21.71 | 9.38  | 21.39 | 9.04  | 21.06 | 8.81 | 20.37 | 8.48 |
|     | -11.8             | -13.0 | 22.94                  | 10.16 | 22.33 | 9.62  | 21.71 | 8.97  | 21.39 | 8.70  | 21.06 | 8.46 | 20.37 | 8.14 |
|     | -9.8              | -11.0 | 22.94                  | 9.68  | 22.33 | 9.12  | 21.71 | 8.63  | 21.39 | 8.37  | 21.06 | 8.12 | 20.37 | 7.78 |
|     | -9.5              | -10.0 | 22.94                  | 9.28  | 22.33 | 8.70  | 21.71 | 8.30  | 21.39 | 8.09  | 21.06 | 7.90 | 20.37 | 7.56 |
|     | -8.5              | -9.1  | 22.94                  | 8.92  | 22.33 | 8.40  | 21.71 | 8.10  | 21.39 | 7.92  | 21.06 | 7.76 | 20.37 | 7.41 |
|     | -7.0              | -7.6  | 22.94                  | 8.54  | 22.33 | 8.15  | 21.71 | 7.83  | 21.39 | 7.66  | 21.06 | 7.50 | 20.37 | 7.18 |
|     | -5.0              | -5.6  | 22.51                  | 8.05  | 21.93 | 7.65  | 21.32 | 7.33  | 21.00 | 7.17  | 20.68 | 7.03 | 20.02 | 6.81 |
|     | -3.0              | -3.7  | 23.20                  | 7.85  | 22.59 | 7.45  | 21.95 | 7.14  | 21.62 | 6.97  | 21.29 | 6.87 | 20.60 | 6.69 |
|     | 0.0               | -0.7  | 24.99                  | 7.88  | 24.31 | 7.45  | 23.61 | 7.08  | 23.24 | 6.98  | 22.87 | 6.87 | 22.10 | 6.66 |
|     | 3.0               | 2.2   | 27.92                  | 8.08  | 27.12 | 7.66  | 26.30 | 7.33  | 25.87 | 7.20  | 25.43 | 7.07 | 24.51 | 6.85 |
|     | 5.0               | 4.1   | 30.31                  | 8.19  | 29.41 | 7.78  | 28.47 | 7.48  | 27.98 | 7.39  | 27.48 | 7.27 | 26.43 | 6.83 |
|     | 7.0               | 6.0   | 34.59                  | 8.40  | 33.48 | 8.11  | 31.91 | 7.73  | 31.45 | 7.59  | 30.87 | 7.46 | 28.76 | 6.97 |
|     | 9.0               | 7.9   | 35.43                  | 8.12  | 34.28 | 7.79  | 32.79 | 7.40  | 32.18 | 7.26  | 31.63 | 7.11 | 28.76 | 6.43 |
|     | 11.0              | 9.8   | 36.26                  | 7.84  | 34.62 | 7.45  | 33.52 | 7.17  | 33.06 | 7.04  | 31.63 | 6.72 | 28.76 | 6.11 |
|     | 13.0              | 11.8  | 37.07                  | 7.55  | 35.52 | 7.21  | 34.51 | 6.94  | 33.06 | 6.63  | 31.63 | 6.34 | 28.76 | 5.75 |
|     | 15.0              | 13.7  | 37.41                  | 7.22  | 36.24 | 6.92  | 34.51 | 6.56  | 33.06 | 6.28  | 31.63 | 6.02 | 28.76 | 5.47 |
|     | 18.0              | 16.6  | 38.53                  | 6.78  | 37.37 | 6.53  | 34.51 | 5.98  | 33.06 | 5.71  | 31.63 | 5.45 | 28.76 | 4.97 |
|     | 21.0              | 19.5  | 40.10                  | 6.42  | 37.37 | 5.90  | 34.51 | 5.40  | 33.06 | 5.15  | 31.63 | 4.90 | 28.76 | 4.45 |
|     | 24.0              | 22.4  | 40.26                  | 5.81  | 37.37 | 5.28  | 34.51 | 4.81  | 33.06 | 4.58  | 31.63 | 4.33 | 28.76 | 3.92 |
|     | 27.0              | 25.3  | 40.26                  | 5.07  | 37.37 | 4.64  | 34.51 | 4.23  | 33.06 | 4.00  | 31.63 | 3.80 | 28.76 | 3.44 |
|     | 30.0              | 28.1  | 40.26                  | 4.43  | 37.37 | 4.09  | 34.51 | 3.72  | 33.06 | 3.49  | 31.63 | 3.33 | 28.76 | 3.02 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table2-8.21:22HP heating capacity

| CR   | Outdoor air temp. |       | Indoor air temp. °C DB |       |       |       |       |       |       |       |       |       |       |       |
|------|-------------------|-------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|      |                   |       | 16.0                   |       | 18.0  |       | 20.0  |       | 21.0  |       | 22.0  |       | 24.0  |       |
|      | °C DB             | °C WB | TC                     | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    |
| 130% | -30.0             | -30.5 | 48.60                  | 15.95 | 47.67 | 16.50 | 46.73 | 17.05 | 46.27 | 17.32 | 45.80 | 17.63 | 44.87 | 18.17 |
|      | -25.0             | -25.4 | 48.60                  | 16.22 | 47.67 | 16.70 | 46.73 | 17.18 | 46.27 | 17.41 | 45.80 | 17.66 | 44.87 | 18.14 |
|      | -19.8             | -20.0 | 48.60                  | 16.49 | 47.67 | 16.91 | 46.73 | 17.30 | 46.27 | 17.49 | 45.80 | 17.69 | 44.87 | 18.11 |
|      | -18.8             | -19.0 | 48.60                  | 16.50 | 47.67 | 16.88 | 46.73 | 17.29 | 46.27 | 17.49 | 45.80 | 17.68 | 44.87 | 18.08 |
|      | -16.7             | -17.0 | 48.60                  | 16.49 | 47.67 | 16.88 | 46.73 | 17.23 | 46.27 | 17.44 | 45.80 | 17.62 | 45.23 | 18.16 |
|      | -13.7             | -15.0 | 48.60                  | 16.55 | 48.04 | 17.07 | 47.20 | 17.46 | 46.78 | 17.66 | 46.36 | 17.87 | 45.51 | 18.28 |
|      | -11.8             | -13.0 | 49.19                  | 16.68 | 48.34 | 17.04 | 48.25 | 17.72 | 47.87 | 17.93 | 47.48 | 18.15 | 46.71 | 18.59 |
|      | -9.8              | -11.0 | 50.39                  | 16.95 | 49.60 | 17.36 | 48.81 | 17.81 | 48.41 | 17.99 | 48.02 | 18.20 | 47.22 | 18.65 |
|      | -9.5              | -10.0 | 50.67                  | 16.91 | 49.88 | 17.32 | 49.08 | 17.71 | 48.67 | 17.93 | 48.27 | 18.14 | 47.46 | 18.54 |
|      | -8.5              | -9.1  | 50.93                  | 16.93 | 50.12 | 17.36 | 49.31 | 17.76 | 48.90 | 17.97 | 48.49 | 18.17 | 47.68 | 18.57 |
|      | -7.0              | -7.6  | 51.33                  | 16.97 | 50.51 | 17.37 | 49.68 | 17.77 | 49.27 | 17.95 | 48.85 | 18.15 | 48.02 | 18.58 |
|      | -5.0              | -5.6  | 50.98                  | 16.69 | 50.15 | 17.08 | 49.32 | 17.45 | 48.90 | 17.66 | 48.48 | 17.87 | 47.64 | 18.23 |
|      | -3.0              | -3.7  | 52.84                  | 16.92 | 51.97 | 17.31 | 51.11 | 17.70 | 50.67 | 17.89 | 50.23 | 18.07 | 49.36 | 18.48 |
|      | 0.0               | -0.7  | 57.32                  | 17.71 | 56.38 | 18.11 | 55.44 | 18.53 | 54.97 | 18.74 | 54.50 | 18.93 | 53.55 | 19.35 |
|      | 3.0               | 2.2   | 64.28                  | 19.21 | 63.25 | 19.65 | 62.21 | 20.10 | 61.69 | 20.33 | 61.16 | 20.54 | 60.11 | 20.99 |
|      | 5.0               | 4.1   | 69.94                  | 20.44 | 68.84 | 20.94 | 67.73 | 21.40 | 67.17 | 21.62 | 66.61 | 21.88 | 65.47 | 22.36 |
|      | 7.0               | 6.0   | 79.94                  | 22.88 | 78.40 | 23.34 | 76.87 | 23.79 | 76.10 | 24.00 | 75.33 | 24.24 | 73.79 | 24.09 |
|      | 9.0               | 7.9   | 82.50                  | 23.13 | 80.91 | 23.60 | 79.33 | 24.05 | 78.53 | 24.28 | 77.74 | 24.52 | 74.76 | 23.27 |
|      | 11.0              | 9.8   | 85.06                  | 23.39 | 83.42 | 23.83 | 81.79 | 24.31 | 80.97 | 24.56 | 80.15 | 24.44 | 74.76 | 22.16 |
| 120% | 13.0              | 11.8  | 87.61                  | 23.57 | 85.93 | 24.08 | 84.25 | 24.56 | 83.40 | 24.64 | 82.22 | 23.85 | 74.76 | 20.73 |
|      | 15.0              | 13.7  | 90.17                  | 23.78 | 88.44 | 24.32 | 86.70 | 24.80 | 85.84 | 24.22 | 82.22 | 22.75 | 74.76 | 19.36 |
|      | 18.0              | 16.6  | 94.01                  | 24.38 | 92.20 | 24.90 | 89.70 | 23.49 | 85.98 | 21.63 | 82.22 | 19.86 | 74.76 | 16.50 |
|      | 21.0              | 19.5  | 97.85                  | 24.72 | 95.97 | 24.51 | 89.70 | 22.12 | 85.98 | 20.31 | 82.22 | 18.51 | 74.76 | 15.30 |
|      | 24.0              | 22.4  | 101.68                 | 25.08 | 97.18 | 23.46 | 89.70 | 20.30 | 85.98 | 18.55 | 82.22 | 16.94 | 74.76 | 14.13 |
|      | 27.0              | 25.3  | 101.68                 | 23.76 | 97.18 | 21.51 | 89.70 | 18.18 | 85.98 | 16.57 | 82.22 | 15.10 | 74.76 | 12.78 |
|      | 30.0              | 28.1  | 104.81                 | 23.20 | 97.18 | 19.72 | 89.70 | 16.28 | 85.98 | 14.81 | 82.22 | 13.47 | 74.76 | 11.55 |
|      | -30.0             | -30.5 | 46.47                  | 15.63 | 45.57 | 16.20 | 44.68 | 16.73 | 44.23 | 17.03 | 43.79 | 17.25 | 42.89 | 17.81 |
|      | -25.0             | -25.4 | 46.47                  | 15.90 | 45.57 | 16.37 | 44.68 | 16.83 | 44.23 | 17.09 | 43.79 | 17.29 | 42.89 | 17.77 |
|      | -19.8             | -20.0 | 46.47                  | 16.17 | 45.57 | 16.55 | 44.68 | 16.94 | 44.23 | 17.15 | 43.79 | 17.34 | 42.89 | 17.73 |
|      | -18.8             | -19.0 | 46.47                  | 16.16 | 45.57 | 16.55 | 44.68 | 16.92 | 44.23 | 17.11 | 43.79 | 17.30 | 42.89 | 17.70 |
|      | -16.7             | -17.0 | 46.47                  | 16.17 | 45.57 | 16.53 | 45.06 | 17.06 | 44.66 | 17.25 | 44.26 | 17.43 | 43.46 | 17.84 |
|      | -13.7             | -15.0 | 46.97                  | 16.41 | 46.16 | 16.80 | 46.02 | 17.46 | 45.66 | 17.64 | 45.29 | 17.88 | 44.56 | 18.33 |
|      | -11.8             | -13.0 | 48.06                  | 16.71 | 47.32 | 17.12 | 46.57 | 17.52 | 46.19 | 17.75 | 45.82 | 17.96 | 45.07 | 18.39 |
|      | -9.8              | -11.0 | 48.62                  | 16.77 | 47.85 | 17.19 | 47.08 | 17.58 | 46.70 | 17.79 | 46.31 | 18.00 | 45.54 | 18.41 |
|      | -9.5              | -10.0 | 48.89                  | 16.71 | 48.11 | 17.14 | 47.33 | 17.52 | 46.94 | 17.72 | 46.55 | 17.93 | 45.76 | 18.34 |
|      | -8.5              | -9.1  | 49.12                  | 16.75 | 48.33 | 17.17 | 47.55 | 17.55 | 47.15 | 17.75 | 46.76 | 17.95 | 45.96 | 18.36 |
|      | -7.0              | -7.6  | 49.49                  | 16.77 | 48.69 | 17.18 | 47.89 | 17.57 | 47.49 | 17.76 | 47.09 | 17.96 | 46.28 | 18.37 |
|      | -5.0              | -5.6  | 49.13                  | 16.51 | 48.32 | 16.89 | 47.51 | 17.27 | 47.11 | 17.47 | 46.70 | 17.66 | 45.88 | 18.04 |
|      | -3.0              | -3.7  | 50.91                  | 16.76 | 50.08 | 17.14 | 49.23 | 17.51 | 48.81 | 17.70 | 48.39 | 17.90 | 47.54 | 18.28 |
|      | 0.0               | -0.7  | 55.24                  | 17.55 | 54.33 | 17.96 | 53.42 | 18.36 | 52.96 | 18.57 | 52.50 | 18.75 | 51.59 | 19.16 |
|      | 3.0               | 2.2   | 61.98                  | 19.09 | 60.98 | 19.54 | 59.98 | 19.95 | 59.47 | 20.17 | 58.96 | 20.39 | 57.53 | 20.18 |
|      | 5.0               | 4.1   | 67.48                  | 20.35 | 66.41 | 20.82 | 65.32 | 21.31 | 64.78 | 21.54 | 64.23 | 21.75 | 62.10 | 20.80 |
|      | 7.0               | 6.0   | 76.42                  | 22.60 | 74.95 | 23.05 | 74.05 | 23.69 | 73.39 | 23.91 | 72.57 | 23.71 | 69.00 | 22.03 |
|      | 9.0               | 7.9   | 78.87                  | 22.87 | 77.35 | 23.34 | 76.46 | 23.99 | 75.69 | 23.99 | 74.32 | 23.22 | 69.00 | 20.67 |
|      | 11.0              | 9.8   | 81.32                  | 23.13 | 79.75 | 23.61 | 78.84 | 24.22 | 77.41 | 23.40 | 75.91 | 22.63 | 69.00 | 19.34 |
|      | 13.0              | 11.8  | 83.76                  | 23.37 | 82.77 | 24.02 | 80.54 | 23.67 | 79.36 | 22.83 | 75.91 | 21.43 | 69.00 | 18.00 |
|      | 15.0              | 13.7  | 86.21                  | 23.64 | 85.22 | 24.30 | 82.80 | 23.19 | 79.36 | 21.73 | 75.91 | 20.02 | 69.00 | 16.73 |
|      | 18.0              | 16.6  | 89.88                  | 24.23 | 88.15 | 23.08 | 82.80 | 20.17 | 79.36 | 18.59 | 75.91 | 17.07 | 69.00 | 14.47 |
|      | 21.0              | 19.5  | 93.54                  | 23.88 | 89.70 | 22.21 | 82.80 | 18.85 | 79.36 | 17.26 | 75.91 | 15.84 | 69.00 | 13.33 |
|      | 24.0              | 22.4  | 96.61                  | 23.33 | 89.70 | 20.33 | 82.80 | 17.26 | 79.36 | 15.81 | 75.91 | 14.56 | 69.00 | 12.20 |
|      | 27.0              | 25.3  | 96.61                  | 21.32 | 89.70 | 18.24 | 82.80 | 15.36 | 79.36 | 14.22 | 75.91 | 13.18 | 69.00 | 11.05 |
|      | 30.0              | 28.1  | 96.61                  | 19.47 | 89.70 | 16.36 | 82.80 | 13.67 | 79.36 | 12.79 | 75.91 | 11.93 | 69.00 | 10.00 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

## V8 PRO VRF 50Hz



Table2-8.21:22HP heating capacity(continued)

| CR   | Outdoor air temp. |       | Indoor air temp. °C DB |       |       |       |       |       |       |       |       |       |       |       |
|------|-------------------|-------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|      |                   |       | 16.0                   |       | 18.0  |       | 20.0  |       | 21.0  |       | 22.0  |       | 24.0  |       |
|      | °C DB             | °C WB | TC                     | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    |
| 110% | -30.0             | -30.5 | 43.89                  | 15.18 | 43.05 | 15.74 | 42.20 | 16.24 | 41.78 | 16.54 | 41.36 | 16.75 | 40.52 | 17.27 |
|      | -25.0             | -25.4 | 43.89                  | 15.43 | 43.05 | 15.90 | 42.20 | 16.35 | 41.78 | 16.58 | 41.36 | 16.77 | 40.52 | 17.22 |
|      | -19.8             | -20.0 | 43.89                  | 15.68 | 43.05 | 16.06 | 42.20 | 16.46 | 41.78 | 16.61 | 41.69 | 16.94 | 40.95 | 17.36 |
|      | -18.8             | -19.0 | 43.89                  | 15.70 | 43.05 | 16.05 | 42.58 | 16.57 | 42.20 | 16.76 | 41.83 | 16.98 | 41.08 | 17.39 |
|      | -16.7             | -17.0 | 44.38                  | 15.85 | 43.62 | 16.26 | 43.51 | 16.89 | 43.16 | 17.10 | 42.82 | 17.33 | 42.14 | 17.77 |
|      | -13.7             | -15.0 | 45.44                  | 16.31 | 44.73 | 16.73 | 44.03 | 17.15 | 43.67 | 17.36 | 43.32 | 17.58 | 42.62 | 18.00 |
|      | -11.8             | -13.0 | 45.97                  | 16.40 | 45.25 | 16.81 | 44.52 | 17.23 | 44.16 | 17.42 | 43.80 | 17.65 | 43.07 | 18.05 |
|      | -9.8              | -11.0 | 46.47                  | 16.50 | 45.73 | 16.89 | 44.99 | 17.27 | 44.61 | 17.47 | 44.24 | 17.67 | 43.49 | 18.08 |
|      | -9.5              | -10.0 | 46.71                  | 16.44 | 45.96 | 16.81 | 45.21 | 17.20 | 44.83 | 17.40 | 44.45 | 17.59 | 43.70 | 18.00 |
|      | -8.5              | -9.1  | 46.92                  | 16.48 | 46.16 | 16.84 | 45.40 | 17.23 | 45.02 | 17.43 | 44.64 | 17.62 | 43.87 | 18.03 |
|      | -7.0              | -7.6  | 47.26                  | 16.50 | 46.49 | 16.87 | 45.71 | 17.27 | 45.33 | 17.45 | 44.94 | 17.64 | 44.16 | 18.01 |
|      | -5.0              | -5.6  | 46.87                  | 16.24 | 46.09 | 16.61 | 45.31 | 16.96 | 44.92 | 17.16 | 44.53 | 17.32 | 43.75 | 17.71 |
|      | -3.0              | -3.7  | 48.57                  | 16.48 | 47.77 | 16.85 | 46.96 | 17.22 | 46.55 | 17.39 | 46.14 | 17.57 | 45.33 | 17.94 |
|      | 0.0               | -0.7  | 52.69                  | 17.33 | 51.82 | 17.69 | 50.95 | 18.08 | 50.51 | 18.28 | 50.07 | 18.47 | 48.68 | 18.22 |
|      | 3.0               | 2.2   | 59.17                  | 18.86 | 58.21 | 19.30 | 57.24 | 19.72 | 56.75 | 19.93 | 56.01 | 19.59 | 53.98 | 18.54 |
|      | 5.0               | 4.1   | 64.48                  | 20.19 | 63.43 | 20.61 | 62.39 | 21.09 | 61.64 | 20.86 | 60.53 | 20.17 | 58.22 | 18.76 |
|      | 7.0               | 6.0   | 72.96                  | 22.38 | 71.69 | 22.87 | 70.31 | 23.02 | 69.29 | 22.35 | 68.03 | 21.64 | 63.26 | 19.08 |
|      | 9.0               | 7.9   | 75.33                  | 22.69 | 74.01 | 23.21 | 72.24 | 22.54 | 70.92 | 21.81 | 69.58 | 21.06 | 63.26 | 17.83 |
|      | 11.0              | 9.8   | 77.70                  | 23.02 | 76.28 | 23.35 | 73.86 | 21.96 | 72.74 | 21.28 | 69.58 | 19.73 | 63.26 | 16.61 |
|      | 13.0              | 11.8  | 80.09                  | 23.30 | 78.25 | 22.88 | 75.91 | 21.47 | 72.74 | 19.92 | 69.58 | 18.34 | 63.26 | 15.39 |
|      | 15.0              | 13.7  | 82.41                  | 23.43 | 79.86 | 22.27 | 75.91 | 20.10 | 72.74 | 18.55 | 69.58 | 17.08 | 63.26 | 14.44 |
|      | 18.0              | 16.6  | 84.90                  | 21.99 | 82.22 | 19.92 | 75.91 | 17.09 | 72.74 | 15.72 | 69.58 | 14.69 | 63.26 | 12.67 |
|      | 21.0              | 19.5  | 88.36                  | 21.49 | 82.22 | 18.56 | 75.91 | 15.80 | 72.74 | 14.55 | 69.58 | 13.59 | 63.26 | 11.61 |
|      | 24.0              | 22.4  | 88.56                  | 19.80 | 82.22 | 17.05 | 75.91 | 14.61 | 72.74 | 13.41 | 69.58 | 12.49 | 63.26 | 10.48 |
|      | 27.0              | 25.3  | 88.56                  | 17.75 | 82.22 | 15.18 | 75.91 | 13.19 | 72.74 | 12.27 | 69.58 | 11.33 | 63.26 | 9.35  |
|      | 30.0              | 28.1  | 88.56                  | 15.91 | 82.22 | 13.51 | 75.91 | 11.91 | 72.74 | 11.23 | 69.58 | 10.28 | 63.26 | 8.35  |
| 100% | -30.0             | -30.5 | 43.63                  | 15.63 | 42.79 | 16.11 | 41.95 | 16.63 | 41.53 | 16.89 | 41.11 | 17.15 | 40.27 | 17.64 |
|      | -25.0             | -25.4 | 43.63                  | 15.84 | 42.79 | 16.27 | 41.95 | 16.72 | 41.53 | 16.94 | 41.11 | 17.18 | 40.27 | 17.62 |
|      | -19.8             | -20.0 | 43.63                  | 16.05 | 42.79 | 16.43 | 41.95 | 16.81 | 41.53 | 17.00 | 41.44 | 17.35 | 40.70 | 17.79 |
|      | -18.8             | -19.0 | 43.63                  | 16.06 | 42.79 | 16.44 | 42.32 | 16.96 | 41.95 | 17.19 | 41.58 | 17.38 | 40.83 | 17.82 |
|      | -16.7             | -17.0 | 44.11                  | 16.25 | 43.35 | 16.63 | 43.24 | 17.29 | 42.90 | 17.53 | 42.57 | 17.76 | 41.89 | 18.20 |
|      | -13.7             | -15.0 | 45.16                  | 16.70 | 44.46 | 17.14 | 43.76 | 17.56 | 43.41 | 17.78 | 43.06 | 18.01 | 42.37 | 18.45 |
|      | -11.8             | -13.0 | 45.69                  | 16.83 | 44.97 | 17.24 | 44.26 | 17.65 | 43.89 | 17.85 | 43.54 | 18.07 | 42.82 | 18.51 |
|      | -9.8              | -11.0 | 46.19                  | 16.92 | 45.46 | 17.32 | 44.72 | 17.73 | 44.35 | 17.94 | 43.98 | 18.14 | 43.24 | 18.55 |
|      | -9.5              | -10.0 | 46.43                  | 16.87 | 45.68 | 17.24 | 44.94 | 17.64 | 44.56 | 17.86 | 44.19 | 18.06 | 43.44 | 18.47 |
|      | -8.5              | -9.1  | 46.64                  | 16.91 | 45.89 | 17.30 | 45.13 | 17.70 | 44.75 | 17.89 | 44.38 | 18.10 | 43.62 | 18.49 |
|      | -7.0              | -7.6  | 46.97                  | 16.95 | 46.21 | 17.32 | 45.44 | 17.72 | 45.06 | 17.92 | 44.67 | 18.10 | 43.90 | 18.50 |
|      | -5.0              | -5.6  | 46.57                  | 16.71 | 45.80 | 17.08 | 45.03 | 17.46 | 44.65 | 17.65 | 44.26 | 17.83 | 43.15 | 17.66 |
|      | -3.0              | -3.7  | 48.25                  | 17.00 | 47.45 | 17.36 | 46.65 | 17.72 | 46.25 | 17.92 | 45.85 | 18.12 | 44.36 | 17.37 |
|      | 0.0               | -0.7  | 52.35                  | 17.88 | 51.48 | 18.29 | 50.61 | 18.68 | 50.09 | 18.66 | 49.25 | 18.43 | 47.50 | 17.00 |
|      | 3.0               | 2.2   | 58.78                  | 19.54 | 57.82 | 19.95 | 56.54 | 19.79 | 55.58 | 19.60 | 54.59 | 18.81 | 52.51 | 17.01 |
|      | 5.0               | 4.1   | 64.03                  | 20.88 | 63.00 | 21.35 | 61.07 | 20.39 | 59.98 | 20.00 | 58.03 | 18.77 | 56.04 | 16.97 |
|      | 7.0               | 6.0   | 72.48                  | 23.24 | 71.00 | 23.00 | 69.00 | 21.97 | 66.13 | 20.67 | 63.26 | 19.15 | 57.51 | 16.25 |
|      | 9.0               | 7.9   | 74.83                  | 23.60 | 72.63 | 22.50 | 69.00 | 20.84 | 66.13 | 19.36 | 63.26 | 17.89 | 57.51 | 15.10 |
|      | 11.0              | 9.8   | 76.94                  | 23.19 | 74.76 | 22.08 | 69.00 | 19.48 | 66.13 | 18.07 | 63.26 | 16.68 | 57.51 | 14.28 |
|      | 13.0              | 11.8  | 78.65                  | 22.59 | 74.76 | 20.94 | 69.00 | 18.10 | 66.13 | 16.76 | 63.26 | 15.40 | 57.51 | 13.34 |
|      | 15.0              | 13.7  | 80.51                  | 22.05 | 74.76 | 19.56 | 69.00 | 16.86 | 66.13 | 15.58 | 63.26 | 14.48 | 57.51 | 12.45 |
|      | 18.0              | 16.6  | 80.51                  | 19.12 | 74.76 | 16.57 | 69.00 | 14.47 | 66.13 | 13.56 | 63.26 | 12.67 | 57.51 | 10.99 |
|      | 21.0              | 19.5  | 80.51                  | 17.87 | 74.76 | 15.30 | 69.00 | 13.36 | 66.13 | 12.45 | 63.26 | 11.56 | 57.51 | 9.88  |
|      | 24.0              | 22.4  | 80.51                  | 16.33 | 74.76 | 14.21 | 69.00 | 12.26 | 66.13 | 11.33 | 63.26 | 10.43 | 57.51 | 8.99  |
|      | 27.0              | 25.3  | 80.51                  | 14.57 | 74.76 | 12.83 | 69.00 | 11.14 | 66.13 | 10.21 | 63.26 | 9.31  | 57.51 | 8.16  |
|      | 30.0              | 28.1  | 80.51                  | 13.00 | 74.76 | 11.58 | 69.00 | 10.11 | 66.13 | 9.19  | 63.26 | 8.32  | 57.51 | 7.41  |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.21:22HP heating capacity(continued)

| CR  | Outdoor air temp. |       | Indoor air temp. °C DB |       |       |       |       |       |       |       |       |       |       |       |
|-----|-------------------|-------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|     |                   |       | 16.0                   |       | 18.0  |       | 20.0  |       | 21.0  |       | 22.0  |       | 24.0  |       |
|     | °C DB             | °C WB | TC                     | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    |
| 90% | -30.0             | -30.5 | 39.27                  | 14.53 | 38.51 | 14.99 | 37.76 | 15.49 | 37.38 | 15.70 | 37.00 | 15.99 | 36.25 | 16.44 |
|     | -25.0             | -25.4 | 39.27                  | 14.74 | 38.51 | 15.16 | 37.76 | 15.58 | 37.38 | 15.77 | 37.00 | 16.00 | 36.25 | 16.41 |
|     | -19.8             | -20.0 | 39.84                  | 15.17 | 39.81 | 15.84 | 39.20 | 16.27 | 38.90 | 16.49 | 38.60 | 16.71 | 37.99 | 17.16 |
|     | -18.8             | -19.0 | 40.67                  | 15.51 | 40.05 | 15.93 | 39.44 | 16.37 | 39.13 | 16.57 | 38.82 | 16.80 | 38.20 | 17.25 |
|     | -16.7             | -17.0 | 41.16                  | 15.68 | 40.52 | 16.10 | 39.88 | 16.51 | 39.57 | 16.73 | 39.25 | 16.94 | 38.61 | 17.36 |
|     | -13.7             | -15.0 | 41.62                  | 15.96 | 40.96 | 16.33 | 40.31 | 16.74 | 39.98 | 16.96 | 39.65 | 17.16 | 39.00 | 17.57 |
|     | -11.8             | -13.0 | 42.06                  | 16.05 | 41.39 | 16.44 | 40.71 | 16.82 | 40.37 | 17.02 | 40.04 | 17.21 | 39.36 | 17.63 |
|     | -9.8              | -11.0 | 42.46                  | 16.14 | 41.77 | 16.52 | 41.08 | 16.90 | 40.74 | 17.08 | 40.39 | 17.29 | 39.51 | 17.23 |
|     | -9.5              | -10.0 | 42.65                  | 16.09 | 41.95 | 16.45 | 41.26 | 16.85 | 40.91 | 17.04 | 40.56 | 17.22 | 39.51 | 16.75 |
|     | -8.5              | -9.1  | 42.81                  | 16.15 | 42.11 | 16.50 | 41.41 | 16.88 | 41.05 | 17.07 | 40.70 | 17.26 | 39.51 | 16.44 |
|     | -7.0              | -7.6  | 43.08                  | 16.18 | 42.36 | 16.55 | 41.65 | 16.92 | 41.29 | 17.12 | 40.89 | 17.16 | 39.51 | 15.90 |
|     | -5.0              | -5.6  | 42.65                  | 15.97 | 41.94 | 16.31 | 41.22 | 16.64 | 40.82 | 16.74 | 40.18 | 16.41 | 38.83 | 15.08 |
|     | -3.0              | -3.7  | 44.18                  | 16.25 | 43.44 | 16.57 | 42.66 | 16.84 | 42.00 | 16.51 | 41.33 | 16.14 | 39.92 | 14.77 |
|     | 0.0               | -0.7  | 47.96                  | 17.13 | 47.15 | 17.51 | 45.81 | 17.15 | 45.08 | 16.51 | 44.33 | 15.81 | 42.75 | 14.39 |
|     | 3.0               | 2.2   | 53.93                  | 18.79 | 52.56 | 18.53 | 50.89 | 17.37 | 50.02 | 16.62 | 49.13 | 15.88 | 47.26 | 14.31 |
|     | 5.0               | 4.1   | 58.67                  | 19.79 | 56.86 | 19.16 | 54.96 | 17.60 | 53.98 | 16.77 | 52.22 | 15.74 | 50.44 | 14.33 |
|     | 7.0               | 6.0   | 66.69                  | 21.49 | 63.90 | 20.21 | 62.10 | 18.59 | 59.52 | 17.29 | 56.93 | 15.99 | 51.76 | 13.85 |
|     | 9.0               | 7.9   | 67.45                  | 20.77 | 65.37 | 19.38 | 62.10 | 17.38 | 59.52 | 16.08 | 56.93 | 14.95 | 51.76 | 12.94 |
|     | 11.0              | 9.8   | 69.25                  | 20.30 | 67.28 | 18.63 | 62.10 | 16.14 | 59.52 | 15.00 | 56.93 | 14.07 | 51.76 | 12.18 |
|     | 13.0              | 11.8  | 70.78                  | 19.32 | 67.28 | 17.30 | 62.10 | 15.00 | 59.52 | 14.07 | 56.93 | 13.23 | 51.76 | 11.33 |
| 80% | 15.0              | 13.7  | 72.46                  | 18.45 | 67.28 | 16.08 | 62.10 | 14.07 | 59.52 | 13.23 | 56.93 | 12.36 | 51.76 | 10.44 |
|     | 18.0              | 16.6  | 72.46                  | 15.57 | 67.28 | 13.89 | 62.10 | 12.31 | 59.52 | 11.56 | 56.93 | 10.83 | 51.76 | 9.52  |
|     | 21.0              | 19.5  | 72.46                  | 14.51 | 67.28 | 12.75 | 62.10 | 11.27 | 59.52 | 10.40 | 56.93 | 9.70  | 51.76 | 8.71  |
|     | 24.0              | 22.4  | 72.46                  | 13.41 | 67.28 | 11.64 | 62.10 | 10.15 | 59.52 | 9.35  | 56.93 | 8.86  | 51.76 | 7.93  |
|     | 27.0              | 25.3  | 72.46                  | 12.14 | 67.28 | 10.50 | 62.10 | 9.09  | 59.52 | 8.46  | 56.93 | 8.02  | 51.76 | 7.11  |
|     | 30.0              | 28.1  | 72.46                  | 11.00 | 67.28 | 9.48  | 62.10 | 8.15  | 59.52 | 7.66  | 56.93 | 7.26  | 51.76 | 6.36  |
|     | -30.0             | -30.5 | 34.90                  | 13.44 | 34.23 | 13.89 | 33.56 | 14.32 | 33.23 | 14.54 | 32.89 | 14.78 | 32.22 | 14.36 |
|     | -25.0             | -25.4 | 35.33                  | 13.80 | 34.73 | 14.23 | 34.71 | 14.90 | 34.46 | 15.14 | 34.20 | 15.39 | 33.27 | 15.23 |
|     | -19.8             | -20.0 | 36.93                  | 14.64 | 36.36 | 15.04 | 35.79 | 15.44 | 35.51 | 15.66 | 35.22 | 15.88 | 34.65 | 16.30 |
|     | -18.8             | -19.0 | 37.14                  | 14.74 | 36.55 | 15.13 | 35.98 | 15.54 | 35.69 | 15.73 | 35.40 | 15.94 | 34.82 | 16.38 |
|     | -16.7             | -17.0 | 37.52                  | 14.90 | 36.93 | 15.28 | 36.33 | 15.68 | 36.03 | 15.86 | 35.74 | 16.06 | 35.11 | 16.41 |
|     | -13.7             | -15.0 | 37.88                  | 15.14 | 37.27 | 15.52 | 36.66 | 15.91 | 36.35 | 16.09 | 36.05 | 16.29 | 35.11 | 16.11 |
|     | -11.8             | -13.0 | 38.21                  | 15.26 | 37.59 | 15.62 | 36.97 | 15.98 | 36.65 | 16.18 | 36.34 | 16.35 | 35.11 | 15.66 |
|     | -9.8              | -11.0 | 38.53                  | 15.35 | 37.89 | 15.69 | 37.25 | 16.05 | 36.93 | 16.24 | 36.34 | 15.94 | 35.11 | 15.09 |
|     | -9.5              | -10.0 | 38.68                  | 15.30 | 38.03 | 15.66 | 37.39 | 16.01 | 36.93 | 15.83 | 36.34 | 15.44 | 35.11 | 14.54 |
|     | -8.5              | -9.1  | 38.81                  | 15.35 | 38.16 | 15.70 | 37.51 | 16.04 | 36.93 | 15.51 | 36.34 | 15.04 | 35.11 | 14.10 |
|     | -7.0              | -7.6  | 39.02                  | 15.41 | 38.36 | 15.74 | 37.51 | 15.63 | 36.93 | 15.06 | 36.34 | 14.59 | 35.11 | 13.59 |
|     | -5.0              | -5.6  | 38.58                  | 15.18 | 37.92 | 15.52 | 36.85 | 14.89 | 36.29 | 14.34 | 35.71 | 13.82 | 34.52 | 12.82 |
|     | -3.0              | -3.7  | 39.96                  | 15.47 | 39.05 | 15.32 | 37.92 | 14.66 | 37.34 | 14.07 | 36.74 | 13.52 | 35.49 | 12.41 |
|     | 0.0               | -0.7  | 43.19                  | 15.88 | 41.98 | 15.40 | 40.72 | 14.26 | 40.07 | 13.69 | 39.40 | 13.10 | 38.00 | 12.00 |
|     | 3.0               | 2.2   | 48.14                  | 16.79 | 46.72 | 15.58 | 45.23 | 14.30 | 44.46 | 13.68 | 43.67 | 13.03 | 42.01 | 12.16 |
|     | 5.0               | 4.1   | 52.15                  | 17.08 | 50.54 | 15.78 | 48.86 | 14.45 | 47.98 | 13.77 | 46.42 | 13.10 | 44.83 | 12.26 |
|     | 7.0               | 6.0   | 59.28                  | 18.19 | 56.80 | 16.54 | 55.20 | 15.16 | 52.91 | 14.30 | 50.60 | 13.41 | 46.00 | 11.78 |
|     | 9.0               | 7.9   | 59.96                  | 17.17 | 58.11 | 15.78 | 55.21 | 14.30 | 52.91 | 13.41 | 50.60 | 12.49 | 46.00 | 10.66 |
|     | 11.0              | 9.8   | 61.55                  | 16.47 | 59.80 | 15.09 | 55.21 | 13.41 | 52.91 | 12.61 | 50.60 | 11.78 | 46.00 | 9.99  |
|     | 13.0              | 11.8  | 62.92                  | 15.60 | 59.80 | 14.15 | 55.21 | 12.56 | 52.91 | 11.72 | 50.60 | 10.92 | 46.00 | 9.37  |
|     | 15.0              | 13.7  | 64.40                  | 14.84 | 59.80 | 13.32 | 55.21 | 11.68 | 52.91 | 10.84 | 50.60 | 10.04 | 46.00 | 8.91  |
|     | 18.0              | 16.6  | 64.40                  | 12.93 | 59.80 | 11.61 | 55.21 | 10.28 | 52.91 | 9.70  | 50.60 | 9.25  | 46.00 | 8.22  |
|     | 21.0              | 19.5  | 64.40                  | 11.90 | 59.80 | 10.48 | 55.21 | 9.31  | 52.91 | 8.89  | 50.60 | 8.46  | 46.00 | 7.58  |
|     | 24.0              | 22.4  | 64.40                  | 10.80 | 59.80 | 9.37  | 55.21 | 8.49  | 52.91 | 8.07  | 50.60 | 7.67  | 46.00 | 6.94  |
|     | 27.0              | 25.3  | 64.40                  | 9.65  | 59.80 | 8.47  | 55.21 | 7.66  | 52.91 | 7.29  | 50.60 | 6.89  | 46.00 | 6.01  |
|     | 30.0              | 28.1  | 64.40                  | 8.62  | 59.80 | 7.67  | 55.21 | 6.91  | 52.91 | 6.57  | 50.60 | 6.18  | 46.00 | 5.20  |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

## V8 PRO VRF 50Hz



Table 2-8.21: 22HP heating capacity (continued)

| CR  | Outdoor air temp. |       | Indoor air temp. °C DB |       |       |       |       |       |       |       |       |       |       |       |
|-----|-------------------|-------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|     |                   |       | 16.0                   |       | 18.0  |       | 20.0  |       | 21.0  |       | 22.0  |       | 24.0  |       |
|     | °C DB             | °C WB | TC                     | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    |
| 70% | -30.0             | -30.5 | 30.92                  | 12.49 | 30.86 | 13.08 | 30.42 | 13.63 | 30.12 | 13.68 | 29.05 | 12.97 | 28.19 | 12.47 |
|     | -25.0             | -25.4 | 32.31                  | 13.27 | 31.82 | 13.68 | 31.34 | 14.13 | 31.06 | 14.27 | 30.57 | 14.07 | 29.48 | 13.49 |
|     | -19.8             | -20.0 | 33.20                  | 13.86 | 32.68 | 14.24 | 32.15 | 14.60 | 31.89 | 14.82 | 31.63 | 15.00 | 30.73 | 14.53 |
|     | -18.8             | -19.0 | 33.35                  | 13.94 | 32.82 | 14.29 | 32.29 | 14.69 | 32.02 | 14.89 | 31.76 | 15.06 | 30.73 | 14.27 |
|     | -16.7             | -17.0 | 33.64                  | 14.11 | 33.10 | 14.44 | 32.55 | 14.82 | 32.28 | 15.02 | 31.80 | 14.75 | 30.73 | 13.87 |
|     | -13.7             | -15.0 | 33.91                  | 14.35 | 33.36 | 14.69 | 32.80 | 15.06 | 32.32 | 14.78 | 31.80 | 14.51 | 30.73 | 13.55 |
|     | -11.8             | -13.0 | 34.17                  | 14.44 | 33.60 | 14.77 | 32.82 | 14.66 | 32.32 | 14.40 | 31.80 | 14.07 | 30.73 | 13.06 |
|     | -9.8              | -11.0 | 34.41                  | 14.52 | 33.80 | 14.73 | 32.82 | 14.28 | 32.32 | 13.93 | 31.80 | 13.45 | 30.73 | 12.45 |
|     | -9.5              | -10.0 | 34.53                  | 14.49 | 33.80 | 14.36 | 32.82 | 13.82 | 32.32 | 13.44 | 31.80 | 12.96 | 30.73 | 11.94 |
|     | -8.5              | -9.1  | 34.63                  | 14.55 | 33.80 | 14.07 | 32.82 | 13.44 | 32.32 | 13.04 | 31.80 | 12.53 | 30.73 | 11.47 |
|     | -7.0              | -7.6  | 34.74                  | 14.43 | 33.80 | 13.70 | 32.82 | 13.01 | 32.32 | 12.59 | 31.80 | 12.06 | 30.73 | 11.01 |
|     | -5.0              | -5.6  | 34.11                  | 13.78 | 33.19 | 13.03 | 32.24 | 12.30 | 31.75 | 11.88 | 31.25 | 11.35 | 30.20 | 10.39 |
|     | -3.0              | -3.7  | 35.13                  | 13.59 | 34.17 | 12.79 | 33.18 | 11.94 | 32.67 | 11.46 | 32.15 | 11.00 | 31.05 | 10.10 |
|     | 0.0               | -0.7  | 37.79                  | 13.38 | 36.73 | 12.46 | 35.63 | 11.51 | 35.06 | 11.08 | 34.48 | 10.75 | 33.25 | 10.06 |
|     | 3.0               | 2.2   | 42.12                  | 13.48 | 40.88 | 12.48 | 39.58 | 11.62 | 38.90 | 11.27 | 38.21 | 10.94 | 36.76 | 10.24 |
|     | 5.0               | 4.1   | 45.63                  | 13.62 | 44.22 | 12.57 | 42.75 | 11.81 | 41.98 | 11.50 | 40.62 | 10.89 | 39.23 | 10.18 |
|     | 7.0               | 6.0   | 51.87                  | 14.42 | 49.70 | 13.34 | 48.30 | 12.56 | 46.28 | 11.87 | 44.28 | 11.03 | 40.26 | 9.52  |
|     | 9.0               | 7.9   | 52.46                  | 13.65 | 50.84 | 12.81 | 48.30 | 11.54 | 46.28 | 10.75 | 44.28 | 10.08 | 40.26 | 8.97  |
|     | 11.0              | 9.8   | 53.86                  | 13.20 | 52.33 | 12.35 | 48.30 | 10.71 | 46.28 | 10.04 | 44.28 | 9.47  | 40.26 | 8.49  |
|     | 13.0              | 11.8  | 55.05                  | 12.63 | 52.33 | 11.47 | 48.30 | 9.95  | 46.28 | 9.44  | 44.28 | 8.95  | 40.26 | 8.00  |
| 60% | 15.0              | 13.7  | 56.36                  | 12.05 | 52.33 | 10.59 | 48.30 | 9.44  | 46.28 | 8.93  | 44.28 | 8.46  | 40.26 | 7.57  |
|     | 18.0              | 16.6  | 56.36                  | 10.54 | 52.33 | 9.53  | 48.30 | 8.73  | 46.28 | 8.25  | 44.28 | 7.79  | 40.26 | 6.94  |
|     | 21.0              | 19.5  | 56.36                  | 9.48  | 52.33 | 8.71  | 48.30 | 7.97  | 46.28 | 7.57  | 44.28 | 7.11  | 40.26 | 6.32  |
|     | 24.0              | 22.4  | 56.36                  | 8.59  | 52.33 | 7.91  | 48.30 | 7.23  | 46.28 | 6.92  | 44.28 | 6.46  | 40.26 | 5.67  |
|     | 27.0              | 25.3  | 56.36                  | 7.79  | 52.33 | 7.13  | 48.30 | 6.37  | 46.28 | 5.99  | 44.28 | 5.65  | 40.26 | 4.97  |
|     | 30.0              | 28.1  | 56.36                  | 7.06  | 52.33 | 6.43  | 48.30 | 5.61  | 46.28 | 5.19  | 44.28 | 4.93  | 40.26 | 4.36  |
|     | -30.0             | -30.5 | 27.85                  | 11.94 | 27.44 | 12.38 | 26.41 | 11.71 | 26.02 | 11.63 | 25.59 | 11.53 | 24.44 | 11.18 |
|     | -25.0             | -25.4 | 28.58                  | 12.50 | 28.14 | 12.91 | 27.34 | 12.54 | 26.92 | 12.33 | 26.49 | 12.11 | 25.59 | 11.62 |
|     | -19.8             | -20.0 | 29.22                  | 13.04 | 28.75 | 13.41 | 28.13 | 13.35 | 27.70 | 13.01 | 27.26 | 12.64 | 26.34 | 11.88 |
|     | -18.8             | -19.0 | 29.33                  | 13.12 | 28.86 | 13.48 | 28.13 | 13.13 | 27.70 | 12.75 | 27.26 | 12.40 | 26.34 | 11.63 |
|     | -16.7             | -17.0 | 29.55                  | 13.28 | 28.97 | 13.35 | 28.13 | 12.83 | 27.70 | 12.45 | 27.26 | 12.03 | 26.34 | 11.22 |
|     | -13.7             | -15.0 | 29.75                  | 13.51 | 28.97 | 13.11 | 28.13 | 12.59 | 27.70 | 12.17 | 27.26 | 11.73 | 26.34 | 10.86 |
|     | -11.8             | -13.0 | 29.77                  | 13.20 | 28.97 | 12.76 | 28.13 | 12.09 | 27.70 | 11.72 | 27.26 | 11.29 | 26.34 | 10.40 |
|     | -9.8              | -11.0 | 29.77                  | 12.85 | 28.97 | 12.30 | 28.13 | 11.53 | 27.70 | 11.16 | 27.26 | 10.74 | 26.34 | 10.00 |
|     | -9.5              | -10.0 | 29.77                  | 12.44 | 28.97 | 11.89 | 28.13 | 11.03 | 27.70 | 10.70 | 27.26 | 10.27 | 26.34 | 9.62  |
|     | -8.5              | -9.1  | 29.77                  | 12.10 | 28.97 | 11.49 | 28.13 | 10.64 | 27.70 | 10.27 | 27.26 | 9.93  | 26.34 | 9.43  |
|     | -7.0              | -7.6  | 29.77                  | 11.71 | 28.97 | 11.08 | 28.13 | 10.18 | 27.70 | 9.88  | 27.26 | 9.59  | 26.34 | 9.11  |
|     | -5.0              | -5.6  | 29.24                  | 11.10 | 28.45 | 10.45 | 27.63 | 9.59  | 27.21 | 9.32  | 26.78 | 9.05  | 25.89 | 8.58  |
|     | -3.0              | -3.7  | 30.11                  | 10.79 | 29.29 | 10.07 | 28.44 | 9.34  | 28.00 | 9.07  | 27.55 | 8.78  | 26.62 | 8.33  |
|     | 0.0               | -0.7  | 32.39                  | 10.42 | 31.49 | 9.83  | 30.54 | 9.35  | 30.05 | 9.05  | 29.55 | 8.73  | 28.50 | 8.23  |
|     | 3.0               | 2.2   | 36.10                  | 10.55 | 35.04 | 10.03 | 33.92 | 9.52  | 33.35 | 9.24  | 32.75 | 8.92  | 31.51 | 8.44  |
|     | 5.0               | 4.1   | 39.11                  | 10.80 | 37.91 | 10.22 | 36.64 | 9.60  | 35.98 | 9.26  | 34.82 | 8.87  | 33.62 | 8.53  |
|     | 7.0               | 6.0   | 44.46                  | 11.55 | 42.60 | 10.75 | 41.40 | 9.74  | 39.67 | 9.31  | 37.96 | 8.89  | 37.04 | 8.64  |
|     | 9.0               | 7.9   | 44.97                  | 10.75 | 43.58 | 9.89  | 41.40 | 9.20  | 39.67 | 8.79  | 37.96 | 8.35  | 37.04 | 8.08  |
|     | 11.0              | 9.8   | 46.17                  | 10.27 | 44.86 | 9.53  | 41.40 | 8.70  | 42.66 | 8.92  | 37.96 | 7.91  | 37.04 | 7.64  |
|     | 13.0              | 11.8  | 47.19                  | 9.66  | 44.86 | 8.98  | 44.54 | 8.87  | 42.66 | 8.40  | 37.96 | 7.44  | 37.04 | 7.19  |
|     | 15.0              | 13.7  | 48.30                  | 9.31  | 44.86 | 8.56  | 44.54 | 8.31  | 42.66 | 7.91  | 37.96 | 7.02  | 37.04 | 6.79  |
|     | 18.0              | 16.6  | 48.30                  | 8.62  | 44.86 | 7.82  | 44.54 | 7.65  | 42.66 | 7.27  | 37.96 | 6.44  | 37.04 | 6.23  |
|     | 21.0              | 19.5  | 48.30                  | 7.86  | 44.86 | 7.18  | 44.54 | 6.98  | 42.66 | 6.67  | 37.96 | 5.83  | 37.04 | 5.62  |
|     | 24.0              | 22.4  | 52.05                  | 7.68  | 44.86 | 6.54  | 44.54 | 6.35  | 42.66 | 5.96  | 37.96 | 5.24  | 37.04 | 5.01  |
|     | 27.0              | 25.3  | 52.05                  | 6.75  | 44.86 | 5.66  | 44.54 | 5.50  | 42.66 | 5.22  | 37.96 | 4.61  | 37.04 | 4.42  |
|     | 30.0              | 28.1  | 52.05                  | 5.93  | 44.86 | 4.90  | 44.54 | 4.76  | 42.66 | 4.57  | 37.96 | 4.05  | 37.04 | 3.91  |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...



Table2-8.21:22HP heating capacity(continued)

| CR  | Outdoor air temp. |       | Indoor air temp. °C DB |       |       |       |       |       |       |       |       |       |       |      |
|-----|-------------------|-------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
|     |                   |       | 16.0                   |       | 18.0  |       | 20.0  |       | 21.0  |       | 22.0  |       | 24.0  |      |
|     |                   |       | TC                     | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI   |
|     | °C DB             | °C WB | kW                     | kW    | kW    | kW    | kW    | kW    | kW    | kW    | kW    | kW    | kW    | kW   |
| 50% | -30.0             | -30.5 | 23.88                  | 10.88 | 23.25 | 10.70 | 22.60 | 10.50 | 22.25 | 10.39 | 21.90 | 10.21 | 21.19 | 9.88 |
|     | -25.0             | -25.4 | 24.38                  | 11.24 | 23.72 | 10.89 | 23.04 | 10.52 | 22.69 | 10.32 | 22.33 | 10.08 | 21.59 | 9.65 |
|     | -19.8             | -20.0 | 24.81                  | 11.58 | 24.14 | 11.06 | 23.44 | 10.51 | 23.08 | 10.22 | 22.72 | 9.93  | 21.95 | 9.42 |
|     | -18.8             | -19.0 | 24.81                  | 11.39 | 24.14 | 10.85 | 23.44 | 10.30 | 23.08 | 10.01 | 22.72 | 9.71  | 21.95 | 9.29 |
|     | -16.7             | -17.0 | 24.81                  | 11.13 | 24.14 | 10.58 | 23.44 | 9.98  | 23.08 | 9.62  | 22.72 | 9.34  | 21.95 | 8.99 |
|     | -13.7             | -15.0 | 24.81                  | 10.91 | 24.14 | 10.32 | 23.44 | 9.66  | 23.08 | 9.31  | 22.72 | 9.07  | 21.95 | 8.71 |
|     | -11.8             | -13.0 | 24.81                  | 10.49 | 24.14 | 9.92  | 23.44 | 9.24  | 23.08 | 8.96  | 22.72 | 8.71  | 21.95 | 8.37 |
|     | -9.8              | -11.0 | 24.81                  | 9.99  | 24.14 | 9.40  | 23.44 | 8.90  | 23.08 | 8.62  | 22.72 | 8.36  | 21.95 | 7.99 |
|     | -9.5              | -10.0 | 24.81                  | 9.58  | 24.14 | 8.97  | 23.44 | 8.55  | 23.08 | 8.33  | 22.72 | 8.14  | 21.95 | 7.77 |
|     | -8.5              | -9.1  | 24.81                  | 9.21  | 24.14 | 8.67  | 23.44 | 8.34  | 23.08 | 8.16  | 22.72 | 7.98  | 21.95 | 7.62 |
|     | -7.0              | -7.6  | 24.81                  | 8.81  | 24.14 | 8.40  | 23.44 | 8.07  | 23.08 | 7.89  | 22.72 | 7.72  | 21.95 | 7.38 |
|     | -5.0              | -5.6  | 24.36                  | 8.31  | 23.71 | 7.89  | 23.03 | 7.56  | 22.68 | 7.39  | 22.32 | 7.24  | 21.57 | 7.00 |
|     | -3.0              | -3.7  | 25.09                  | 8.10  | 24.41 | 7.68  | 23.70 | 7.35  | 23.33 | 7.18  | 22.96 | 7.07  | 22.18 | 6.88 |
|     | 0.0               | -0.7  | 27.00                  | 8.13  | 26.24 | 7.67  | 25.45 | 7.29  | 25.04 | 7.17  | 24.63 | 7.06  | 23.75 | 6.83 |
|     | 3.0               | 2.2   | 30.09                  | 8.31  | 29.20 | 7.87  | 28.27 | 7.53  | 27.79 | 7.38  | 27.29 | 7.24  | 26.26 | 7.01 |
|     | 5.0               | 4.1   | 32.59                  | 8.41  | 31.59 | 7.97  | 30.54 | 7.66  | 29.99 | 7.56  | 29.01 | 7.33  | 28.02 | 6.91 |
|     | 7.0               | 6.0   | 37.05                  | 8.59  | 35.50 | 8.21  | 34.50 | 7.97  | 33.06 | 7.61  | 31.63 | 7.29  | 28.76 | 6.65 |
|     | 9.0               | 7.9   | 37.47                  | 8.19  | 36.32 | 7.88  | 34.51 | 7.43  | 33.06 | 7.12  | 31.63 | 6.78  | 28.76 | 6.14 |
|     | 11.0              | 9.8   | 38.47                  | 7.94  | 37.37 | 7.68  | 34.51 | 7.04  | 33.06 | 6.72  | 31.63 | 6.41  | 28.76 | 5.83 |
|     | 13.0              | 11.8  | 39.32                  | 7.64  | 37.37 | 7.24  | 34.51 | 6.62  | 33.06 | 6.33  | 31.63 | 6.05  | 28.76 | 5.48 |
|     | 15.0              | 13.7  | 40.26                  | 7.42  | 37.37 | 6.81  | 34.51 | 6.26  | 33.06 | 5.99  | 31.63 | 5.74  | 28.76 | 5.22 |
|     | 18.0              | 16.6  | 40.26                  | 6.76  | 37.37 | 6.23  | 34.51 | 5.71  | 33.06 | 5.45  | 31.63 | 5.20  | 28.76 | 4.74 |
|     | 21.0              | 19.5  | 40.26                  | 6.15  | 37.37 | 5.63  | 34.51 | 5.15  | 33.06 | 4.91  | 31.63 | 4.68  | 28.76 | 4.25 |
|     | 24.0              | 22.4  | 40.26                  | 5.55  | 37.37 | 5.04  | 34.51 | 4.59  | 33.06 | 4.37  | 31.63 | 4.13  | 28.76 | 3.74 |
|     | 27.0              | 25.3  | 40.26                  | 4.84  | 37.37 | 4.43  | 34.51 | 4.04  | 33.06 | 3.81  | 31.63 | 3.63  | 28.76 | 3.28 |
|     | 30.0              | 28.1  | 40.26                  | 4.22  | 37.37 | 3.90  | 34.51 | 3.55  | 33.06 | 3.33  | 31.63 | 3.18  | 28.76 | 2.88 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

## V8 PRO VRF 50Hz



Table2-8.22:24HP heating capacity

| CR   | Outdoor air temp. |       | Indoor air temp. °C DB |       |        |       |       |       |       |       |       |       |       |       |
|------|-------------------|-------|------------------------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|      |                   |       | 16.0                   |       | 18.0   |       | 20.0  |       | 21.0  |       | 22.0  |       | 24.0  |       |
|      | °C DB             | °C WB | TC                     | PI    | TC     | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    |
| 130% | -30.0             | -30.5 | 52.83                  | 17.62 | 51.81  | 18.23 | 50.80 | 18.84 | 50.29 | 19.13 | 49.78 | 19.47 | 48.77 | 20.07 |
|      | -25.0             | -25.4 | 52.83                  | 17.91 | 51.81  | 18.45 | 50.80 | 18.97 | 50.29 | 19.23 | 49.78 | 19.50 | 48.77 | 20.03 |
|      | -19.8             | -20.0 | 52.83                  | 18.21 | 51.81  | 18.67 | 50.80 | 19.11 | 50.29 | 19.32 | 49.78 | 19.54 | 48.77 | 20.00 |
|      | -18.8             | -19.0 | 52.83                  | 18.23 | 51.81  | 18.65 | 50.80 | 19.10 | 50.29 | 19.32 | 49.78 | 19.53 | 48.77 | 19.97 |
|      | -16.7             | -17.0 | 52.83                  | 18.21 | 51.81  | 18.64 | 50.80 | 19.04 | 50.29 | 19.27 | 49.78 | 19.47 | 49.16 | 20.06 |
|      | -13.7             | -15.0 | 52.83                  | 18.28 | 52.21  | 18.85 | 51.30 | 19.29 | 50.84 | 19.50 | 50.39 | 19.74 | 49.47 | 20.19 |
|      | -11.8             | -13.0 | 53.47                  | 18.42 | 52.55  | 18.82 | 52.45 | 19.58 | 52.03 | 19.80 | 51.61 | 20.05 | 50.77 | 20.53 |
|      | -9.8              | -11.0 | 54.77                  | 18.72 | 53.91  | 19.17 | 53.05 | 19.67 | 52.62 | 19.87 | 52.19 | 20.10 | 51.32 | 20.60 |
|      | -9.5              | -10.0 | 55.08                  | 18.67 | 54.21  | 19.13 | 53.34 | 19.56 | 52.90 | 19.81 | 52.47 | 20.03 | 51.59 | 20.48 |
|      | -8.5              | -9.1  | 55.36                  | 18.70 | 54.48  | 19.17 | 53.59 | 19.62 | 53.15 | 19.85 | 52.71 | 20.07 | 51.82 | 20.51 |
|      | -7.0              | -7.6  | 55.79                  | 18.75 | 54.90  | 19.18 | 54.00 | 19.62 | 53.55 | 19.83 | 53.10 | 20.04 | 52.20 | 20.52 |
|      | -5.0              | -5.6  | 55.42                  | 18.43 | 54.51  | 18.86 | 53.61 | 19.27 | 53.15 | 19.51 | 52.70 | 19.74 | 51.78 | 20.14 |
|      | -3.0              | -3.7  | 57.43                  | 18.69 | 56.49  | 19.12 | 55.55 | 19.55 | 55.08 | 19.77 | 54.60 | 19.96 | 53.65 | 20.41 |
|      | 0.0               | -0.7  | 62.30                  | 19.56 | 61.28  | 20.00 | 60.26 | 20.47 | 59.75 | 20.70 | 59.24 | 20.91 | 58.21 | 21.37 |
|      | 3.0               | 2.2   | 69.87                  | 21.22 | 68.75  | 21.70 | 67.62 | 22.21 | 67.05 | 22.46 | 66.48 | 22.68 | 65.34 | 23.19 |
|      | 5.0               | 4.1   | 76.03                  | 22.58 | 74.82  | 23.13 | 73.61 | 23.64 | 73.01 | 23.88 | 72.40 | 24.17 | 71.17 | 24.70 |
|      | 7.0               | 6.0   | 86.89                  | 25.27 | 85.22  | 25.77 | 83.55 | 26.27 | 82.71 | 26.51 | 81.88 | 26.78 | 80.21 | 26.61 |
|      | 9.0               | 7.9   | 89.67                  | 25.55 | 87.95  | 26.07 | 86.22 | 26.57 | 85.36 | 26.81 | 84.50 | 27.08 | 81.26 | 25.70 |
|      | 11.0              | 9.8   | 92.45                  | 25.83 | 90.68  | 26.33 | 88.90 | 26.85 | 88.01 | 27.13 | 87.12 | 27.00 | 81.26 | 24.47 |
|      | 13.0              | 11.8  | 95.23                  | 26.04 | 93.40  | 26.60 | 91.57 | 27.13 | 90.66 | 27.21 | 89.37 | 26.34 | 81.26 | 22.90 |
| 120% | 15.0              | 13.7  | 98.01                  | 26.26 | 96.13  | 26.86 | 94.24 | 27.40 | 93.30 | 26.75 | 89.37 | 25.13 | 81.26 | 21.39 |
|      | 18.0              | 16.6  | 102.18                 | 26.93 | 100.22 | 27.50 | 97.50 | 25.94 | 93.46 | 23.89 | 89.37 | 21.93 | 81.26 | 18.22 |
|      | 21.0              | 19.5  | 106.36                 | 27.31 | 104.31 | 27.07 | 97.50 | 24.43 | 93.46 | 22.43 | 89.37 | 20.45 | 81.26 | 16.89 |
|      | 24.0              | 22.4  | 110.53                 | 27.70 | 105.63 | 25.91 | 97.50 | 22.42 | 93.46 | 20.49 | 89.37 | 18.71 | 81.26 | 15.61 |
|      | 27.0              | 25.3  | 110.53                 | 26.24 | 105.63 | 23.76 | 97.50 | 20.08 | 93.46 | 18.31 | 89.37 | 16.68 | 81.26 | 14.11 |
|      | 30.0              | 28.1  | 113.92                 | 25.63 | 105.63 | 21.78 | 97.50 | 17.98 | 93.46 | 16.36 | 89.37 | 14.87 | 81.26 | 12.76 |
|      | -30.0             | -30.5 | 50.51                  | 17.26 | 49.54  | 17.89 | 48.56 | 18.48 | 48.08 | 18.81 | 47.59 | 19.05 | 46.62 | 19.67 |
|      | -25.0             | -25.4 | 50.51                  | 17.56 | 49.54  | 18.08 | 48.56 | 18.59 | 48.08 | 18.87 | 47.59 | 19.10 | 46.62 | 19.63 |
|      | -19.8             | -20.0 | 50.51                  | 17.86 | 49.54  | 18.28 | 48.56 | 18.71 | 48.08 | 18.94 | 47.59 | 19.16 | 46.62 | 19.59 |
|      | -18.8             | -19.0 | 50.51                  | 17.85 | 49.54  | 18.28 | 48.56 | 18.69 | 48.08 | 18.90 | 47.59 | 19.11 | 46.62 | 19.55 |
|      | -16.7             | -17.0 | 50.51                  | 17.86 | 49.54  | 18.26 | 48.98 | 18.84 | 48.55 | 19.05 | 48.11 | 19.25 | 47.24 | 19.71 |
|      | -13.7             | -15.0 | 51.06                  | 18.13 | 50.17  | 18.56 | 50.03 | 19.28 | 49.63 | 19.48 | 49.23 | 19.74 | 48.44 | 20.25 |
|      | -11.8             | -13.0 | 52.24                  | 18.45 | 51.43  | 18.91 | 50.62 | 19.35 | 50.21 | 19.61 | 49.80 | 19.84 | 48.98 | 20.31 |
|      | -9.8              | -11.0 | 52.85                  | 18.53 | 52.01  | 18.99 | 51.18 | 19.42 | 50.76 | 19.65 | 50.34 | 19.88 | 49.50 | 20.34 |
|      | -9.5              | -10.0 | 53.14                  | 18.45 | 52.29  | 18.93 | 51.45 | 19.35 | 51.02 | 19.57 | 50.59 | 19.80 | 49.74 | 20.26 |
|      | -8.5              | -9.1  | 53.39                  | 18.50 | 52.54  | 18.96 | 51.68 | 19.38 | 51.25 | 19.60 | 50.82 | 19.82 | 49.96 | 20.28 |
|      | -7.0              | -7.6  | 53.80                  | 18.52 | 52.93  | 18.98 | 52.06 | 19.41 | 51.62 | 19.62 | 51.18 | 19.84 | 50.30 | 20.29 |
|      | -5.0              | -5.6  | 53.40                  | 18.24 | 52.52  | 18.66 | 51.64 | 19.07 | 51.20 | 19.30 | 50.76 | 19.51 | 49.87 | 19.93 |
|      | -3.0              | -3.7  | 55.34                  | 18.51 | 54.43  | 18.93 | 53.52 | 19.35 | 53.06 | 19.55 | 52.60 | 19.77 | 51.68 | 20.19 |
|      | 0.0               | -0.7  | 60.04                  | 19.38 | 59.06  | 19.84 | 58.07 | 20.28 | 57.57 | 20.51 | 57.07 | 20.71 | 56.07 | 21.17 |
|      | 3.0               | 2.2   | 67.37                  | 21.08 | 66.28  | 21.59 | 65.19 | 22.04 | 64.64 | 22.28 | 64.09 | 22.52 | 62.53 | 22.30 |
|      | 5.0               | 4.1   | 73.35                  | 22.48 | 72.18  | 23.00 | 71.00 | 23.53 | 70.41 | 23.79 | 69.82 | 24.03 | 67.50 | 22.97 |
|      | 7.0               | 6.0   | 83.07                  | 24.96 | 81.47  | 25.46 | 80.49 | 26.17 | 79.77 | 26.41 | 78.88 | 26.19 | 75.00 | 24.33 |
|      | 9.0               | 7.9   | 85.73                  | 25.26 | 84.08  | 25.78 | 83.11 | 26.50 | 82.27 | 26.50 | 80.78 | 25.65 | 75.00 | 22.83 |
|      | 11.0              | 9.8   | 88.39                  | 25.55 | 86.69  | 26.08 | 85.70 | 26.75 | 84.14 | 25.85 | 82.51 | 25.00 | 75.00 | 21.36 |
|      | 13.0              | 11.8  | 91.04                  | 25.82 | 89.96  | 26.53 | 87.54 | 26.15 | 86.26 | 25.21 | 82.51 | 23.67 | 75.00 | 19.88 |
|      | 15.0              | 13.7  | 93.70                  | 26.12 | 92.63  | 26.85 | 90.00 | 25.61 | 86.26 | 24.00 | 82.51 | 22.12 | 75.00 | 18.48 |
|      | 18.0              | 16.6  | 97.69                  | 26.76 | 95.81  | 25.49 | 90.00 | 22.27 | 86.26 | 20.53 | 82.51 | 18.85 | 75.00 | 15.98 |
|      | 21.0              | 19.5  | 101.68                 | 26.38 | 97.50  | 24.53 | 90.00 | 20.82 | 86.26 | 19.06 | 82.51 | 17.49 | 75.00 | 14.73 |
|      | 24.0              | 22.4  | 105.01                 | 25.77 | 97.50  | 22.46 | 90.00 | 19.06 | 86.26 | 17.47 | 82.51 | 16.08 | 75.00 | 13.47 |
|      | 27.0              | 25.3  | 105.01                 | 23.54 | 97.50  | 20.15 | 90.00 | 16.97 | 86.26 | 15.71 | 82.51 | 14.55 | 75.00 | 12.20 |
|      | 30.0              | 28.1  | 105.01                 | 21.51 | 97.50  | 18.07 | 90.00 | 15.10 | 86.26 | 14.13 | 82.51 | 13.17 | 75.00 | 11.05 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.22:24HP heating capacity(continued)

| CR   | Outdoor air temp. |       | Indoor air temp. °C DB |       |       |       |       |       |       |       |       |       |       |       |
|------|-------------------|-------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|      |                   |       | 16.0                   |       | 18.0  |       | 20.0  |       | 21.0  |       | 22.0  |       | 24.0  |       |
|      | °C DB             | °C WB | TC                     | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    |
| 110% | -30.0             | -30.5 | 47.71                  | 16.77 | 46.79 | 17.39 | 45.87 | 17.94 | 45.41 | 18.27 | 44.96 | 18.50 | 44.04 | 19.08 |
|      | -25.0             | -25.4 | 47.71                  | 17.04 | 46.79 | 17.56 | 45.87 | 18.06 | 45.41 | 18.31 | 44.96 | 18.53 | 44.04 | 19.03 |
|      | -19.8             | -20.0 | 47.71                  | 17.32 | 46.79 | 17.74 | 45.87 | 18.18 | 45.41 | 18.35 | 45.32 | 18.71 | 44.51 | 19.18 |
|      | -18.8             | -19.0 | 47.71                  | 17.34 | 46.79 | 17.73 | 46.28 | 18.30 | 45.87 | 18.51 | 45.46 | 18.76 | 44.65 | 19.21 |
|      | -16.7             | -17.0 | 48.24                  | 17.51 | 47.41 | 17.96 | 47.29 | 18.66 | 46.92 | 18.89 | 46.55 | 19.14 | 45.81 | 19.63 |
|      | -13.7             | -15.0 | 49.39                  | 18.02 | 48.62 | 18.47 | 47.86 | 18.95 | 47.47 | 19.17 | 47.09 | 19.41 | 46.32 | 19.88 |
|      | -11.8             | -13.0 | 49.97                  | 18.11 | 49.18 | 18.57 | 48.39 | 19.03 | 48.00 | 19.24 | 47.60 | 19.49 | 46.81 | 19.94 |
|      | -9.8              | -11.0 | 50.51                  | 18.22 | 49.70 | 18.65 | 48.90 | 19.08 | 48.49 | 19.30 | 48.09 | 19.51 | 47.27 | 19.97 |
|      | -9.5              | -10.0 | 50.77                  | 18.16 | 49.96 | 18.57 | 49.14 | 19.00 | 48.73 | 19.22 | 48.32 | 19.43 | 47.49 | 19.89 |
|      | -8.5              | -9.1  | 51.00                  | 18.20 | 50.18 | 18.60 | 49.35 | 19.03 | 48.94 | 19.25 | 48.52 | 19.46 | 47.69 | 19.91 |
|      | -7.0              | -7.6  | 51.37                  | 18.23 | 50.53 | 18.63 | 49.69 | 19.07 | 49.27 | 19.27 | 48.85 | 19.48 | 48.00 | 19.90 |
|      | -5.0              | -5.6  | 50.95                  | 17.94 | 50.10 | 18.34 | 49.26 | 18.73 | 48.83 | 18.95 | 48.41 | 19.13 | 47.55 | 19.56 |
|      | -3.0              | -3.7  | 52.80                  | 18.21 | 51.92 | 18.61 | 51.04 | 19.02 | 50.60 | 19.21 | 50.16 | 19.41 | 49.27 | 19.81 |
|      | 0.0               | -0.7  | 57.27                  | 19.14 | 56.33 | 19.54 | 55.38 | 19.97 | 54.90 | 20.19 | 54.42 | 20.40 | 52.91 | 20.13 |
|      | 3.0               | 2.2   | 64.31                  | 20.83 | 63.27 | 21.32 | 62.21 | 21.78 | 61.68 | 22.01 | 60.88 | 21.64 | 58.67 | 20.48 |
|      | 5.0               | 4.1   | 70.08                  | 22.30 | 68.95 | 22.76 | 67.81 | 23.30 | 67.00 | 23.05 | 65.80 | 22.28 | 63.28 | 20.72 |
|      | 7.0               | 6.0   | 79.31                  | 24.73 | 77.92 | 25.26 | 76.42 | 25.43 | 75.31 | 24.68 | 73.94 | 23.90 | 68.76 | 21.08 |
|      | 9.0               | 7.9   | 81.88                  | 25.06 | 80.45 | 25.64 | 78.52 | 24.89 | 77.09 | 24.10 | 75.63 | 23.26 | 68.76 | 19.69 |
|      | 11.0              | 9.8   | 84.45                  | 25.42 | 82.91 | 25.79 | 80.28 | 24.25 | 79.07 | 23.50 | 75.63 | 21.79 | 68.76 | 18.35 |
|      | 13.0              | 11.8  | 87.05                  | 25.73 | 85.06 | 25.27 | 82.51 | 23.72 | 79.07 | 22.00 | 75.63 | 20.26 | 68.76 | 16.99 |
|      | 15.0              | 13.7  | 89.58                  | 25.88 | 86.81 | 24.60 | 82.51 | 22.20 | 79.07 | 20.49 | 75.63 | 18.86 | 68.76 | 15.95 |
|      | 18.0              | 16.6  | 92.28                  | 24.29 | 89.37 | 22.00 | 82.51 | 18.88 | 79.07 | 17.37 | 75.63 | 16.22 | 68.76 | 14.00 |
|      | 21.0              | 19.5  | 96.04                  | 23.73 | 89.37 | 20.50 | 82.51 | 17.45 | 79.07 | 16.07 | 75.63 | 15.01 | 68.76 | 12.83 |
|      | 24.0              | 22.4  | 96.26                  | 21.87 | 89.37 | 18.84 | 82.51 | 16.14 | 79.07 | 14.81 | 75.63 | 13.80 | 68.76 | 11.57 |
|      | 27.0              | 25.3  | 96.26                  | 19.61 | 89.37 | 16.77 | 82.51 | 14.57 | 79.07 | 13.56 | 75.63 | 12.51 | 68.76 | 10.33 |
|      | 30.0              | 28.1  | 96.26                  | 17.57 | 89.37 | 14.92 | 82.51 | 13.15 | 79.07 | 12.41 | 75.63 | 11.35 | 68.76 | 9.22  |
| 100% | -30.0             | -30.5 | 47.42                  | 17.27 | 46.51 | 17.80 | 45.60 | 18.37 | 45.14 | 18.65 | 44.69 | 18.94 | 43.78 | 19.48 |
|      | -25.0             | -25.4 | 47.42                  | 17.49 | 46.51 | 17.97 | 45.60 | 18.47 | 45.14 | 18.72 | 44.69 | 18.98 | 43.78 | 19.46 |
|      | -19.8             | -20.0 | 47.42                  | 17.72 | 46.51 | 18.15 | 45.60 | 18.57 | 45.14 | 18.78 | 45.04 | 19.16 | 44.24 | 19.65 |
|      | -18.8             | -19.0 | 47.42                  | 17.74 | 46.51 | 18.15 | 46.00 | 18.74 | 45.60 | 18.99 | 45.19 | 19.20 | 44.38 | 19.68 |
|      | -16.7             | -17.0 | 47.95                  | 17.95 | 47.12 | 18.37 | 47.00 | 19.10 | 46.63 | 19.36 | 46.27 | 19.61 | 45.53 | 20.11 |
|      | -13.7             | -15.0 | 49.08                  | 18.45 | 48.33 | 18.93 | 47.57 | 19.40 | 47.19 | 19.64 | 46.81 | 19.89 | 46.05 | 20.38 |
|      | -11.8             | -13.0 | 49.66                  | 18.59 | 48.88 | 19.05 | 48.10 | 19.49 | 47.71 | 19.71 | 47.32 | 19.96 | 46.54 | 20.44 |
|      | -9.8              | -11.0 | 50.21                  | 18.69 | 49.41 | 19.13 | 48.60 | 19.58 | 48.20 | 19.81 | 47.80 | 20.04 | 47.00 | 20.49 |
|      | -9.5              | -10.0 | 50.46                  | 18.64 | 49.66 | 19.05 | 48.85 | 19.48 | 48.44 | 19.73 | 48.03 | 19.95 | 47.22 | 20.40 |
|      | -8.5              | -9.1  | 50.69                  | 18.68 | 49.88 | 19.10 | 49.06 | 19.55 | 48.64 | 19.76 | 48.23 | 19.99 | 47.41 | 20.42 |
|      | -7.0              | -7.6  | 51.05                  | 18.72 | 50.23 | 19.13 | 49.39 | 19.57 | 48.98 | 19.79 | 48.56 | 20.00 | 47.71 | 20.43 |
|      | -5.0              | -5.6  | 50.62                  | 18.46 | 49.79 | 18.86 | 48.95 | 19.29 | 48.53 | 19.50 | 48.11 | 19.69 | 46.90 | 19.50 |
|      | -3.0              | -3.7  | 52.45                  | 18.78 | 51.58 | 19.18 | 50.71 | 19.57 | 50.27 | 19.79 | 49.83 | 20.02 | 48.22 | 19.18 |
|      | 0.0               | -0.7  | 56.90                  | 19.75 | 55.96 | 20.20 | 55.01 | 20.63 | 54.44 | 20.61 | 53.53 | 20.35 | 51.63 | 18.78 |
|      | 3.0               | 2.2   | 63.89                  | 21.58 | 62.85 | 22.03 | 61.46 | 21.85 | 60.41 | 21.65 | 59.34 | 20.77 | 57.08 | 18.79 |
|      | 5.0               | 4.1   | 69.60                  | 23.06 | 68.48 | 23.58 | 66.38 | 22.52 | 65.19 | 22.09 | 63.07 | 20.73 | 60.91 | 18.74 |
|      | 7.0               | 6.0   | 78.78                  | 25.67 | 77.17 | 25.41 | 75.00 | 24.27 | 71.88 | 22.83 | 68.76 | 21.15 | 62.51 | 17.95 |
|      | 9.0               | 7.9   | 81.34                  | 26.07 | 78.95 | 24.86 | 75.00 | 23.02 | 71.88 | 21.39 | 68.76 | 19.76 | 62.51 | 16.68 |
|      | 11.0              | 9.8   | 83.63                  | 25.61 | 81.26 | 24.39 | 75.00 | 21.52 | 71.88 | 19.96 | 68.76 | 18.42 | 62.51 | 15.77 |
|      | 13.0              | 11.8  | 85.49                  | 24.95 | 81.26 | 23.13 | 75.00 | 19.99 | 71.88 | 18.51 | 68.76 | 17.01 | 62.51 | 14.74 |
|      | 15.0              | 13.7  | 87.51                  | 24.36 | 81.26 | 21.60 | 75.00 | 18.62 | 71.88 | 17.21 | 68.76 | 16.00 | 62.51 | 13.76 |
|      | 18.0              | 16.6  | 87.51                  | 21.12 | 81.26 | 18.31 | 75.00 | 15.98 | 71.88 | 14.98 | 68.76 | 14.00 | 62.51 | 12.14 |
|      | 21.0              | 19.5  | 87.51                  | 19.73 | 81.26 | 16.89 | 75.00 | 14.75 | 71.88 | 13.76 | 68.76 | 12.77 | 62.51 | 10.92 |
|      | 24.0              | 22.4  | 87.51                  | 18.04 | 81.26 | 15.70 | 75.00 | 13.54 | 71.88 | 12.51 | 68.76 | 11.52 | 62.51 | 9.93  |
|      | 27.0              | 25.3  | 87.51                  | 16.10 | 81.26 | 14.17 | 75.00 | 12.30 | 71.88 | 11.27 | 68.76 | 10.29 | 62.51 | 9.02  |
|      | 30.0              | 28.1  | 87.51                  | 14.36 | 81.26 | 12.79 | 75.00 | 11.17 | 71.88 | 10.15 | 68.76 | 9.19  | 62.51 | 8.19  |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

## V8 PRO VRF 50Hz



Table2-8.22:24HP heating capacity(continued)

| CR  | Outdoor air temp. |       | Indoor air temp. °C DB |       |       |       |       |       |       |       |       |       |       |       |
|-----|-------------------|-------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|     |                   |       | 16.0                   |       | 18.0  |       | 20.0  |       | 21.0  |       | 22.0  |       | 24.0  |       |
|     | °C DB             | °C WB | TC                     | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    |
| 90% | -30.0             | -30.5 | 42.68                  | 16.05 | 41.86 | 16.56 | 41.04 | 17.10 | 40.63 | 17.34 | 40.22 | 17.66 | 39.40 | 18.16 |
|     | -25.0             | -25.4 | 42.68                  | 16.28 | 41.86 | 16.74 | 41.04 | 17.20 | 40.63 | 17.42 | 40.22 | 17.68 | 39.40 | 18.12 |
|     | -19.8             | -20.0 | 43.31                  | 16.76 | 43.27 | 17.50 | 42.61 | 17.97 | 42.28 | 18.22 | 41.95 | 18.46 | 41.29 | 18.95 |
|     | -18.8             | -19.0 | 44.21                  | 17.13 | 43.54 | 17.59 | 42.87 | 18.08 | 42.53 | 18.31 | 42.20 | 18.55 | 41.52 | 19.05 |
|     | -16.7             | -17.0 | 44.74                  | 17.32 | 44.05 | 17.78 | 43.35 | 18.24 | 43.01 | 18.48 | 42.66 | 18.72 | 41.96 | 19.18 |
|     | -13.7             | -15.0 | 45.24                  | 17.63 | 44.53 | 18.04 | 43.81 | 18.49 | 43.46 | 18.73 | 43.10 | 18.95 | 42.39 | 19.41 |
|     | -11.8             | -13.0 | 45.72                  | 17.73 | 44.98 | 18.16 | 44.25 | 18.58 | 43.88 | 18.80 | 43.52 | 19.01 | 42.78 | 19.48 |
|     | -9.8              | -11.0 | 46.15                  | 17.83 | 45.40 | 18.25 | 44.65 | 18.67 | 44.28 | 18.87 | 43.90 | 19.10 | 42.94 | 19.03 |
|     | -9.5              | -10.0 | 46.36                  | 17.77 | 45.60 | 18.17 | 44.84 | 18.61 | 44.46 | 18.82 | 44.08 | 19.02 | 42.94 | 18.50 |
|     | -8.5              | -9.1  | 46.54                  | 17.83 | 45.77 | 18.23 | 45.01 | 18.65 | 44.62 | 18.85 | 44.24 | 19.07 | 42.94 | 18.16 |
|     | -7.0              | -7.6  | 46.82                  | 17.88 | 46.05 | 18.28 | 45.27 | 18.69 | 44.88 | 18.91 | 44.44 | 18.96 | 42.94 | 17.57 |
|     | -5.0              | -5.6  | 46.36                  | 17.63 | 45.59 | 18.02 | 44.81 | 18.38 | 44.37 | 18.49 | 43.67 | 18.13 | 42.21 | 16.66 |
|     | -3.0              | -3.7  | 48.03                  | 17.95 | 47.22 | 18.31 | 46.37 | 18.60 | 45.66 | 18.24 | 44.92 | 17.83 | 43.40 | 16.31 |
|     | 0.0               | -0.7  | 52.13                  | 18.92 | 51.25 | 19.34 | 49.79 | 18.95 | 49.00 | 18.23 | 48.18 | 17.46 | 46.47 | 15.90 |
|     | 3.0               | 2.2   | 58.62                  | 20.76 | 57.13 | 20.47 | 55.31 | 19.19 | 54.37 | 18.36 | 53.40 | 17.54 | 51.37 | 15.80 |
|     | 5.0               | 4.1   | 63.77                  | 21.86 | 61.80 | 21.16 | 59.74 | 19.44 | 58.67 | 18.52 | 56.77 | 17.38 | 54.82 | 15.82 |
|     | 7.0               | 6.0   | 72.49                  | 23.73 | 69.45 | 22.32 | 67.50 | 20.53 | 64.70 | 19.09 | 61.88 | 17.67 | 56.26 | 15.30 |
|     | 9.0               | 7.9   | 73.32                  | 22.94 | 71.05 | 21.41 | 67.50 | 19.19 | 64.70 | 17.77 | 61.88 | 16.51 | 56.26 | 14.30 |
|     | 11.0              | 9.8   | 75.27                  | 22.42 | 73.13 | 20.58 | 67.50 | 17.82 | 64.70 | 16.57 | 61.88 | 15.54 | 56.26 | 13.46 |
|     | 13.0              | 11.8  | 76.94                  | 21.34 | 73.13 | 19.11 | 67.50 | 16.57 | 64.70 | 15.54 | 61.88 | 14.61 | 56.26 | 12.51 |
|     | 15.0              | 13.7  | 78.76                  | 20.38 | 73.13 | 17.77 | 67.50 | 15.54 | 64.70 | 14.61 | 61.88 | 13.66 | 56.26 | 11.53 |
|     | 18.0              | 16.6  | 78.76                  | 17.19 | 73.13 | 15.34 | 67.50 | 13.60 | 64.70 | 12.77 | 61.88 | 11.96 | 56.26 | 10.52 |
|     | 21.0              | 19.5  | 78.76                  | 16.02 | 73.13 | 14.08 | 67.50 | 12.44 | 64.70 | 11.49 | 61.88 | 10.72 | 56.26 | 9.62  |
|     | 24.0              | 22.4  | 78.76                  | 14.81 | 73.13 | 12.86 | 67.50 | 11.22 | 64.70 | 10.33 | 61.88 | 9.79  | 56.26 | 8.76  |
|     | 27.0              | 25.3  | 78.76                  | 13.41 | 73.13 | 11.60 | 67.50 | 10.05 | 64.70 | 9.35  | 61.88 | 8.86  | 56.26 | 7.85  |
|     | 30.0              | 28.1  | 78.76                  | 12.15 | 73.13 | 10.47 | 67.50 | 9.00  | 64.70 | 8.46  | 61.88 | 8.02  | 56.26 | 7.03  |
| 80% | -30.0             | -30.5 | 37.94                  | 14.85 | 37.21 | 15.34 | 36.48 | 15.82 | 36.12 | 16.06 | 35.75 | 16.32 | 35.02 | 15.86 |
|     | -25.0             | -25.4 | 38.40                  | 15.25 | 37.75 | 15.72 | 37.73 | 16.45 | 37.45 | 16.72 | 37.17 | 17.00 | 36.16 | 16.83 |
|     | -19.8             | -20.0 | 40.14                  | 16.17 | 39.52 | 16.62 | 38.90 | 17.06 | 38.59 | 17.30 | 38.29 | 17.54 | 37.67 | 18.01 |
|     | -18.8             | -19.0 | 40.37                  | 16.28 | 39.73 | 16.71 | 39.10 | 17.16 | 38.79 | 17.37 | 38.48 | 17.60 | 37.85 | 18.09 |
|     | -16.7             | -17.0 | 40.78                  | 16.46 | 40.14 | 16.88 | 39.49 | 17.32 | 39.17 | 17.52 | 38.85 | 17.73 | 38.17 | 18.13 |
|     | -13.7             | -15.0 | 41.17                  | 16.73 | 40.51 | 17.15 | 39.85 | 17.57 | 39.51 | 17.78 | 39.18 | 17.99 | 38.17 | 17.80 |
|     | -11.8             | -13.0 | 41.54                  | 16.85 | 40.86 | 17.25 | 40.18 | 17.65 | 39.84 | 17.87 | 39.50 | 18.06 | 38.17 | 17.30 |
|     | -9.8              | -11.0 | 41.88                  | 16.95 | 41.19 | 17.33 | 40.49 | 17.72 | 40.15 | 17.94 | 39.50 | 17.61 | 38.17 | 16.67 |
|     | -9.5              | -10.0 | 42.04                  | 16.90 | 41.34 | 17.29 | 40.64 | 17.68 | 40.15 | 17.48 | 39.50 | 17.05 | 38.17 | 16.06 |
|     | -8.5              | -9.1  | 42.18                  | 16.96 | 41.48 | 17.35 | 40.77 | 17.71 | 40.15 | 17.13 | 39.50 | 16.61 | 38.17 | 15.58 |
|     | -7.0              | -7.6  | 42.41                  | 17.03 | 41.70 | 17.38 | 40.77 | 17.27 | 40.15 | 16.63 | 39.50 | 16.11 | 38.17 | 15.01 |
|     | -5.0              | -5.6  | 41.94                  | 16.77 | 41.22 | 17.14 | 40.05 | 16.45 | 39.44 | 15.84 | 38.82 | 15.27 | 37.52 | 14.16 |
|     | -3.0              | -3.7  | 43.43                  | 17.09 | 42.45 | 16.92 | 41.22 | 16.19 | 40.58 | 15.54 | 39.93 | 14.94 | 38.57 | 13.70 |
|     | 0.0               | -0.7  | 46.95                  | 17.54 | 45.63 | 17.01 | 44.26 | 15.76 | 43.55 | 15.12 | 42.83 | 14.47 | 41.31 | 13.25 |
|     | 3.0               | 2.2   | 52.32                  | 18.55 | 50.78 | 17.21 | 49.17 | 15.79 | 48.33 | 15.11 | 47.47 | 14.40 | 45.66 | 13.43 |
|     | 5.0               | 4.1   | 56.68                  | 18.87 | 54.94 | 17.43 | 53.11 | 15.96 | 52.16 | 15.20 | 50.46 | 14.47 | 48.73 | 13.55 |
|     | 7.0               | 6.0   | 64.43                  | 20.10 | 61.74 | 18.27 | 60.00 | 16.75 | 57.51 | 15.80 | 55.00 | 14.81 | 50.00 | 13.01 |
|     | 9.0               | 7.9   | 65.17                  | 18.97 | 63.16 | 17.43 | 60.01 | 15.80 | 57.51 | 14.81 | 55.00 | 13.80 | 50.00 | 11.77 |
|     | 11.0              | 9.8   | 66.91                  | 18.19 | 65.00 | 16.67 | 60.01 | 14.81 | 57.51 | 13.93 | 55.00 | 13.01 | 50.00 | 11.03 |
|     | 13.0              | 11.8  | 68.39                  | 17.23 | 65.00 | 15.62 | 60.01 | 13.87 | 57.51 | 12.94 | 55.00 | 12.06 | 50.00 | 10.35 |
|     | 15.0              | 13.7  | 70.00                  | 16.40 | 65.00 | 14.71 | 60.01 | 12.90 | 57.51 | 11.97 | 55.00 | 11.09 | 50.00 | 9.85  |
|     | 18.0              | 16.6  | 70.00                  | 14.28 | 65.00 | 12.83 | 60.01 | 11.36 | 57.51 | 10.72 | 55.00 | 10.22 | 50.00 | 9.08  |
|     | 21.0              | 19.5  | 70.00                  | 13.14 | 65.00 | 11.57 | 60.01 | 10.29 | 57.51 | 9.82  | 55.00 | 9.35  | 50.00 | 8.38  |
|     | 24.0              | 22.4  | 70.00                  | 11.93 | 65.00 | 10.35 | 60.01 | 9.37  | 57.51 | 8.92  | 55.00 | 8.48  | 50.00 | 7.66  |
|     | 27.0              | 25.3  | 70.00                  | 10.66 | 65.00 | 9.36  | 60.01 | 8.46  | 57.51 | 8.05  | 55.00 | 7.61  | 50.00 | 6.64  |
|     | 30.0              | 28.1  | 70.00                  | 9.52  | 65.00 | 8.47  | 60.01 | 7.64  | 57.51 | 7.26  | 55.00 | 6.82  | 50.00 | 5.75  |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.22:24HP heating capacity(continued)

| CR  | Outdoor air temp. |       | Indoor air temp. °C DB |       |       |       |       |       |       |       |       |       |       |       |
|-----|-------------------|-------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|     |                   |       | 16.0                   |       | 18.0  |       | 20.0  |       | 21.0  |       | 22.0  |       | 24.0  |       |
|     | °C DB             | °C WB | TC                     | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    |
| 70% | -30.0             | -30.5 | 33.60                  | 13.80 | 33.54 | 14.45 | 33.06 | 15.05 | 32.73 | 15.11 | 31.57 | 14.32 | 30.64 | 13.77 |
|     | -25.0             | -25.4 | 35.12                  | 14.66 | 34.59 | 15.11 | 34.06 | 15.61 | 33.76 | 15.76 | 33.23 | 15.54 | 32.05 | 14.90 |
|     | -19.8             | -20.0 | 36.09                  | 15.31 | 35.52 | 15.73 | 34.95 | 16.13 | 34.66 | 16.36 | 34.38 | 16.57 | 33.40 | 16.05 |
|     | -18.8             | -19.0 | 36.25                  | 15.39 | 35.68 | 15.79 | 35.10 | 16.22 | 34.81 | 16.44 | 34.52 | 16.64 | 33.40 | 15.76 |
|     | -16.7             | -17.0 | 36.57                  | 15.59 | 35.97 | 15.95 | 35.38 | 16.37 | 35.09 | 16.59 | 34.57 | 16.29 | 33.40 | 15.32 |
|     | -13.7             | -15.0 | 36.86                  | 15.85 | 36.26 | 16.23 | 35.65 | 16.63 | 35.13 | 16.33 | 34.57 | 16.03 | 33.40 | 14.96 |
|     | -11.8             | -13.0 | 37.14                  | 15.95 | 36.53 | 16.31 | 35.67 | 16.19 | 35.13 | 15.90 | 34.57 | 15.54 | 33.40 | 14.43 |
|     | -9.8              | -11.0 | 37.40                  | 16.04 | 36.73 | 16.27 | 35.67 | 15.78 | 35.13 | 15.38 | 34.57 | 14.86 | 33.40 | 13.75 |
|     | -9.5              | -10.0 | 37.53                  | 16.00 | 36.73 | 15.86 | 35.67 | 15.26 | 35.13 | 14.85 | 34.57 | 14.32 | 33.40 | 13.19 |
|     | -8.5              | -9.1  | 37.64                  | 16.07 | 36.73 | 15.55 | 35.67 | 14.84 | 35.13 | 14.41 | 34.57 | 13.85 | 33.40 | 12.67 |
|     | -7.0              | -7.6  | 37.76                  | 15.94 | 36.73 | 15.13 | 35.67 | 14.37 | 35.13 | 13.91 | 34.57 | 13.32 | 33.40 | 12.16 |
|     | -5.0              | -5.6  | 37.08                  | 15.22 | 36.08 | 14.39 | 35.04 | 13.58 | 34.51 | 13.12 | 33.96 | 12.54 | 32.83 | 11.48 |
|     | -3.0              | -3.7  | 38.18                  | 15.01 | 37.14 | 14.13 | 36.07 | 13.18 | 35.51 | 12.66 | 34.94 | 12.15 | 33.75 | 11.16 |
|     | 0.0               | -0.7  | 41.08                  | 14.77 | 39.93 | 13.76 | 38.73 | 12.72 | 38.11 | 12.24 | 37.47 | 11.88 | 36.14 | 11.11 |
|     | 3.0               | 2.2   | 45.79                  | 14.89 | 44.43 | 13.79 | 43.02 | 12.84 | 42.29 | 12.45 | 41.54 | 12.08 | 39.96 | 11.31 |
|     | 5.0               | 4.1   | 49.60                  | 15.04 | 48.07 | 13.88 | 46.47 | 13.05 | 45.63 | 12.70 | 44.15 | 12.03 | 42.64 | 11.25 |
|     | 7.0               | 6.0   | 56.38                  | 15.93 | 54.02 | 14.73 | 52.50 | 13.87 | 50.30 | 13.11 | 48.13 | 12.19 | 43.76 | 10.52 |
|     | 9.0               | 7.9   | 57.03                  | 15.08 | 55.26 | 14.15 | 52.50 | 12.74 | 50.30 | 11.87 | 48.13 | 11.13 | 43.76 | 9.90  |
|     | 11.0              | 9.8   | 58.54                  | 14.58 | 56.88 | 13.64 | 52.50 | 11.83 | 50.30 | 11.09 | 48.13 | 10.46 | 43.76 | 9.37  |
|     | 13.0              | 11.8  | 59.84                  | 13.95 | 56.88 | 12.67 | 52.50 | 10.99 | 50.30 | 10.43 | 48.13 | 9.89  | 43.76 | 8.83  |
|     | 15.0              | 13.7  | 61.26                  | 13.31 | 56.88 | 11.70 | 52.50 | 10.43 | 50.30 | 9.86  | 48.13 | 9.35  | 43.76 | 8.36  |
|     | 18.0              | 16.6  | 61.26                  | 11.64 | 56.88 | 10.53 | 52.50 | 9.65  | 50.30 | 9.12  | 48.13 | 8.60  | 43.76 | 7.66  |
|     | 21.0              | 19.5  | 61.26                  | 10.47 | 56.88 | 9.62  | 52.50 | 8.80  | 50.30 | 8.36  | 48.13 | 7.85  | 43.76 | 6.98  |
|     | 24.0              | 22.4  | 61.26                  | 9.49  | 56.88 | 8.73  | 52.50 | 7.99  | 50.30 | 7.65  | 48.13 | 7.13  | 43.76 | 6.26  |
|     | 27.0              | 25.3  | 61.26                  | 8.60  | 56.88 | 7.88  | 52.50 | 7.03  | 50.30 | 6.62  | 48.13 | 6.24  | 43.76 | 5.49  |
|     | 30.0              | 28.1  | 61.26                  | 7.80  | 56.88 | 7.10  | 52.50 | 6.19  | 50.30 | 5.73  | 48.13 | 5.45  | 43.76 | 4.82  |
| 60% | -30.0             | -30.5 | 30.27                  | 13.19 | 29.83 | 13.68 | 28.71 | 12.93 | 28.28 | 12.84 | 27.81 | 12.73 | 26.57 | 12.35 |
|     | -25.0             | -25.4 | 31.07                  | 13.81 | 30.58 | 14.26 | 29.72 | 13.85 | 29.26 | 13.62 | 28.79 | 13.37 | 27.81 | 12.84 |
|     | -19.8             | -20.0 | 31.76                  | 14.40 | 31.25 | 14.81 | 30.58 | 14.75 | 30.11 | 14.37 | 29.63 | 13.97 | 28.63 | 13.12 |
|     | -18.8             | -19.0 | 31.88                  | 14.49 | 31.37 | 14.89 | 30.58 | 14.51 | 30.11 | 14.09 | 29.63 | 13.70 | 28.63 | 12.85 |
|     | -16.7             | -17.0 | 32.11                  | 14.67 | 31.49 | 14.74 | 30.58 | 14.18 | 30.11 | 13.75 | 29.63 | 13.29 | 28.63 | 12.39 |
|     | -13.7             | -15.0 | 32.33                  | 14.93 | 31.49 | 14.49 | 30.58 | 13.90 | 30.11 | 13.44 | 29.63 | 12.95 | 28.63 | 11.99 |
|     | -11.8             | -13.0 | 32.36                  | 14.58 | 31.49 | 14.10 | 30.58 | 13.35 | 30.11 | 12.94 | 29.63 | 12.47 | 28.63 | 11.49 |
|     | -9.8              | -11.0 | 32.36                  | 14.20 | 31.49 | 13.58 | 30.58 | 12.74 | 30.11 | 12.32 | 29.63 | 11.87 | 28.63 | 11.04 |
|     | -9.5              | -10.0 | 32.36                  | 13.74 | 31.49 | 13.13 | 30.58 | 12.19 | 30.11 | 11.82 | 29.63 | 11.34 | 28.63 | 10.63 |
|     | -8.5              | -9.1  | 32.36                  | 13.36 | 31.49 | 12.69 | 30.58 | 11.75 | 30.11 | 11.35 | 29.63 | 10.96 | 28.63 | 10.41 |
|     | -7.0              | -7.6  | 32.36                  | 12.94 | 31.49 | 12.24 | 30.58 | 11.25 | 30.11 | 10.91 | 29.63 | 10.60 | 28.63 | 10.06 |
|     | -5.0              | -5.6  | 31.78                  | 12.26 | 30.92 | 11.54 | 30.04 | 10.59 | 29.58 | 10.30 | 29.11 | 10.00 | 28.14 | 9.47  |
|     | -3.0              | -3.7  | 32.73                  | 11.92 | 31.84 | 11.12 | 30.91 | 10.31 | 30.44 | 10.02 | 29.95 | 9.69  | 28.93 | 9.20  |
|     | 0.0               | -0.7  | 34.72                  | 11.94 | 33.71 | 11.25 | 32.67 | 10.69 | 32.12 | 10.34 | 31.57 | 9.97  | 30.40 | 9.38  |
|     | 3.0               | 2.2   | 38.61                  | 12.06 | 37.42 | 11.45 | 36.19 | 10.85 | 35.54 | 10.53 | 34.88 | 10.15 | 33.07 | 9.47  |
|     | 5.0               | 4.1   | 41.73                  | 12.31 | 40.40 | 11.64 | 38.53 | 10.79 | 37.69 | 10.37 | 37.31 | 10.16 | 36.55 | 9.91  |
|     | 7.0               | 6.0   | 46.80                  | 13.00 | 45.90 | 12.37 | 44.19 | 11.11 | 42.32 | 10.61 | 40.47 | 10.13 | 39.44 | 9.83  |
|     | 9.0               | 7.9   | 48.30                  | 12.34 | 47.37 | 11.49 | 44.19 | 10.49 | 42.32 | 10.02 | 40.47 | 9.51  | 39.44 | 9.19  |
|     | 11.0              | 9.8   | 49.80                  | 11.84 | 47.37 | 10.76 | 44.19 | 9.93  | 45.51 | 10.17 | 40.47 | 9.01  | 39.44 | 8.69  |
|     | 13.0              | 11.8  | 51.29                  | 11.23 | 47.37 | 10.13 | 47.54 | 10.12 | 45.51 | 9.58  | 40.47 | 8.48  | 39.44 | 8.18  |
|     | 15.0              | 13.7  | 51.29                  | 10.57 | 47.37 | 9.65  | 47.54 | 9.48  | 45.51 | 9.02  | 40.47 | 8.00  | 39.44 | 7.73  |
|     | 18.0              | 16.6  | 51.29                  | 9.78  | 47.37 | 8.83  | 47.54 | 8.72  | 45.51 | 8.29  | 40.47 | 7.34  | 39.44 | 7.09  |
|     | 21.0              | 19.5  | 51.29                  | 8.92  | 47.37 | 8.10  | 47.54 | 7.96  | 45.51 | 7.60  | 40.47 | 6.64  | 39.44 | 6.40  |
|     | 24.0              | 22.4  | 55.66                  | 8.78  | 47.37 | 7.38  | 47.54 | 7.25  | 45.51 | 6.80  | 40.47 | 5.97  | 39.44 | 5.70  |
|     | 27.0              | 25.3  | 55.66                  | 7.71  | 47.37 | 6.39  | 47.54 | 6.28  | 45.51 | 5.95  | 40.47 | 5.25  | 39.44 | 5.03  |
|     | 30.0              | 28.1  | 55.66                  | 6.78  | 47.37 | 5.53  | 47.54 | 5.43  | 45.51 | 5.21  | 40.47 | 4.62  | 39.44 | 4.45  |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

# V8 PRO VRF 50Hz



Table2-8.22:24HP heating capacity(continued)

| CR  | Outdoor air temp. |       | Indoor air temp. °C DB |       |       |       |       |       |       |       |       |       |       |       |
|-----|-------------------|-------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|     |                   |       | 16.0                   |       | 18.0  |       | 20.0  |       | 21.0  |       | 22.0  |       | 24.0  |       |
|     |                   |       | TC                     | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    |
|     | °C DB             | °C WB | kW                     | kW    | kW    | kW    | kW    | kW    | kW    | kW    | kW    | kW    | kW    | kW    |
| 50% | -30.0             | -30.5 | 25.54                  | 12.44 | 24.84 | 12.22 | 24.12 | 11.97 | 23.74 | 11.84 | 23.35 | 11.64 | 22.56 | 11.24 |
|     | -25.0             | -25.4 | 26.12                  | 12.87 | 25.39 | 12.46 | 24.65 | 12.02 | 24.25 | 11.79 | 23.85 | 11.51 | 23.03 | 11.01 |
|     | -19.8             | -20.0 | 26.64                  | 13.29 | 25.89 | 12.68 | 25.12 | 12.04 | 24.72 | 11.70 | 24.31 | 11.36 | 23.46 | 10.76 |
|     | -18.8             | -19.0 | 26.64                  | 13.06 | 25.89 | 12.44 | 25.12 | 11.80 | 24.72 | 11.46 | 24.31 | 11.11 | 23.46 | 10.61 |
|     | -16.7             | -17.0 | 26.64                  | 12.76 | 25.89 | 12.13 | 25.12 | 11.43 | 24.72 | 11.01 | 24.31 | 10.68 | 23.46 | 10.26 |
|     | -13.7             | -15.0 | 26.64                  | 12.52 | 25.89 | 11.83 | 25.12 | 11.07 | 24.72 | 10.65 | 24.31 | 10.37 | 23.46 | 9.95  |
|     | -11.8             | -13.0 | 26.64                  | 12.04 | 25.89 | 11.38 | 25.12 | 10.58 | 24.72 | 10.26 | 24.31 | 9.97  | 23.46 | 9.56  |
|     | -9.8              | -11.0 | 26.64                  | 11.46 | 25.89 | 10.78 | 25.12 | 10.19 | 24.72 | 9.86  | 24.31 | 9.56  | 23.46 | 9.13  |
|     | -9.5              | -10.0 | 26.64                  | 10.99 | 25.89 | 10.28 | 25.12 | 9.79  | 24.72 | 9.54  | 24.31 | 9.31  | 23.46 | 8.87  |
|     | -8.5              | -9.1  | 26.64                  | 10.57 | 25.89 | 9.94  | 25.12 | 9.55  | 24.72 | 9.34  | 24.31 | 9.13  | 23.46 | 8.70  |
|     | -7.0              | -7.6  | 26.64                  | 10.11 | 25.89 | 9.63  | 25.12 | 9.24  | 24.72 | 9.03  | 24.31 | 8.83  | 23.46 | 8.43  |
|     | -5.0              | -5.6  | 26.16                  | 9.54  | 25.44 | 9.05  | 24.69 | 8.66  | 24.30 | 8.46  | 23.90 | 8.29  | 23.07 | 8.00  |
|     | -3.0              | -3.7  | 26.93                  | 9.29  | 26.17 | 8.80  | 25.39 | 8.42  | 24.98 | 8.22  | 24.57 | 8.09  | 23.70 | 7.85  |
|     | 0.0               | -0.7  | 28.93                  | 9.31  | 28.09 | 8.78  | 27.22 | 8.33  | 26.77 | 8.19  | 26.30 | 8.05  | 25.33 | 7.79  |
|     | 3.0               | 2.2   | 32.17                  | 9.50  | 31.19 | 8.99  | 30.16 | 8.58  | 29.62 | 8.40  | 29.07 | 8.24  | 27.56 | 7.86  |
|     | 5.0               | 4.1   | 34.78                  | 9.59  | 33.66 | 9.08  | 32.11 | 8.60  | 31.64 | 8.52  | 31.09 | 8.39  | 28.76 | 7.58  |
|     | 7.0               | 6.0   | 39.00                  | 9.66  | 37.37 | 9.24  | 34.51 | 8.52  | 33.06 | 8.14  | 31.63 | 7.79  | 28.76 | 7.11  |
|     | 9.0               | 7.9   | 40.25                  | 9.41  | 37.37 | 8.67  | 34.51 | 7.94  | 33.06 | 7.61  | 31.63 | 7.25  | 28.76 | 6.56  |
|     | 11.0              | 9.8   | 40.26                  | 8.88  | 37.37 | 8.20  | 34.51 | 7.53  | 33.06 | 7.18  | 31.63 | 6.85  | 28.76 | 6.23  |
|     | 13.0              | 11.8  | 40.26                  | 8.36  | 37.37 | 7.74  | 34.51 | 7.08  | 33.06 | 6.76  | 31.63 | 6.47  | 28.76 | 5.86  |
|     | 15.0              | 13.7  | 40.26                  | 7.93  | 37.37 | 7.28  | 34.51 | 6.69  | 33.06 | 6.40  | 31.63 | 6.14  | 28.76 | 5.58  |
|     | 18.0              | 16.6  | 40.26                  | 7.22  | 37.37 | 6.66  | 34.51 | 6.10  | 33.06 | 5.82  | 31.63 | 5.56  | 28.76 | 5.07  |
|     | 21.0              | 19.5  | 40.26                  | 6.58  | 37.37 | 6.02  | 34.51 | 5.50  | 33.06 | 5.25  | 31.63 | 5.00  | 28.76 | 4.54  |
|     | 24.0              | 22.4  | 40.26                  | 5.93  | 37.37 | 5.38  | 34.51 | 4.91  | 33.06 | 4.67  | 31.63 | 4.42  | 28.76 | 4.00  |
|     | 27.0              | 25.3  | 40.26                  | 5.17  | 37.37 | 4.74  | 34.51 | 4.31  | 33.06 | 4.08  | 31.63 | 3.88  | 28.76 | 3.51  |
|     | 30.0              | 28.1  | 40.26                  | 4.52  | 37.37 | 4.17  | 34.51 | 3.79  | 33.06 | 3.56  | 31.63 | 3.40  | 28.76 | 3.08  |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table2-8.23:26HP heating capacity

| CR   | Outdoor air temp. |       | Indoor air temp. °C DB |       |        |       |        |       |        |       |       |       |       |       |
|------|-------------------|-------|------------------------|-------|--------|-------|--------|-------|--------|-------|-------|-------|-------|-------|
|      |                   |       | 16.0                   |       | 18.0   |       | 20.0   |       | 21.0   |       | 22.0  |       | 24.0  |       |
|      | °C DB             | °C WB | TC                     | PI    | TC     | PI    | TC     | PI    | TC     | PI    | TC    | PI    | TC    | PI    |
| 130% | -30.0             | -30.5 | 57.41                  | 20.96 | 56.30  | 21.60 | 55.20  | 22.18 | 54.65  | 22.60 | 54.10 | 22.88 | 52.99 | 23.47 |
|      | -25.0             | -25.4 | 57.41                  | 21.13 | 56.30  | 21.69 | 55.20  | 22.23 | 54.65  | 22.54 | 54.10 | 22.79 | 52.99 | 23.31 |
|      | -19.8             | -20.0 | 57.41                  | 21.31 | 56.30  | 21.78 | 55.20  | 22.28 | 54.65  | 22.48 | 54.10 | 22.70 | 52.99 | 23.16 |
|      | -18.8             | -19.0 | 57.41                  | 21.29 | 56.30  | 21.76 | 55.20  | 22.19 | 54.65  | 22.43 | 54.10 | 22.65 | 52.99 | 23.07 |
|      | -16.7             | -17.0 | 57.41                  | 21.22 | 56.30  | 21.66 | 55.20  | 22.10 | 54.65  | 22.33 | 54.10 | 22.52 | 52.99 | 22.95 |
|      | -13.7             | -15.0 | 57.41                  | 21.27 | 56.30  | 21.70 | 55.20  | 22.11 | 54.65  | 22.32 | 54.53 | 22.71 | 53.54 | 23.18 |
|      | -11.8             | -13.0 | 57.85                  | 21.25 | 56.86  | 21.72 | 55.87  | 22.19 | 55.37  | 22.42 | 54.87 | 22.65 | 54.76 | 23.47 |
|      | -9.8              | -11.0 | 58.22                  | 21.20 | 58.13  | 21.99 | 57.22  | 22.51 | 56.77  | 22.76 | 56.31 | 23.01 | 55.39 | 23.50 |
|      | -9.5              | -10.0 | 59.40                  | 21.44 | 58.48  | 21.93 | 57.55  | 22.42 | 57.09  | 22.66 | 56.62 | 22.89 | 55.69 | 23.40 |
|      | -8.5              | -9.1  | 59.70                  | 21.48 | 58.77  | 21.97 | 57.83  | 22.45 | 57.37  | 22.67 | 56.90 | 22.94 | 55.95 | 23.41 |
|      | -7.0              | -7.6  | 60.20                  | 21.49 | 59.25  | 21.97 | 58.30  | 22.43 | 57.82  | 22.68 | 57.34 | 22.92 | 56.38 | 23.40 |
|      | -5.0              | -5.6  | 59.83                  | 21.15 | 58.87  | 21.59 | 57.90  | 22.06 | 57.42  | 22.29 | 56.93 | 22.53 | 55.96 | 22.98 |
|      | -3.0              | -3.7  | 62.02                  | 21.41 | 61.02  | 21.88 | 60.02  | 22.32 | 59.51  | 22.57 | 59.01 | 22.79 | 57.99 | 23.25 |
|      | 0.0               | -0.7  | 67.28                  | 22.38 | 66.20  | 22.87 | 65.11  | 23.34 | 64.56  | 23.60 | 64.01 | 23.82 | 62.91 | 24.32 |
|      | 3.0               | 2.2   | 75.43                  | 24.21 | 74.24  | 24.76 | 73.03  | 25.30 | 72.43  | 25.56 | 71.82 | 25.83 | 70.60 | 26.35 |
|      | 5.0               | 4.1   | 80.96                  | 25.43 | 80.77  | 26.33 | 79.48  | 26.93 | 78.83  | 27.21 | 78.19 | 27.49 | 76.88 | 28.07 |
|      | 7.0               | 6.0   | 94.42                  | 29.02 | 92.61  | 29.57 | 90.79  | 30.11 | 89.88  | 30.38 | 88.98 | 30.63 | 87.16 | 30.91 |
|      | 9.0               | 7.9   | 97.44                  | 29.32 | 95.57  | 29.90 | 93.70  | 30.43 | 92.76  | 30.71 | 91.82 | 30.99 | 87.16 | 29.21 |
|      | 11.0              | 9.8   | 100.47                 | 29.63 | 98.53  | 30.20 | 96.60  | 30.75 | 95.64  | 31.02 | 94.67 | 31.29 | 87.16 | 27.62 |
|      | 13.0              | 11.8  | 103.49                 | 29.87 | 101.50 | 30.45 | 99.51  | 31.03 | 98.51  | 31.31 | 97.51 | 29.88 | 88.35 | 26.36 |
| 120% | 15.0              | 13.7  | 106.51                 | 30.14 | 104.46 | 30.73 | 102.41 | 31.35 | 101.39 | 31.08 | 99.67 | 28.22 | 88.35 | 24.81 |
|      | 18.0              | 16.6  | 111.04                 | 30.56 | 108.91 | 31.20 | 105.99 | 30.62 | 101.39 | 28.43 | 94.67 | 25.79 | 88.35 | 22.65 |
|      | 21.0              | 19.5  | 115.57                 | 30.94 | 113.35 | 31.60 | 105.99 | 28.00 | 101.56 | 26.04 | 94.67 | 23.55 | 88.35 | 20.67 |
|      | 24.0              | 22.4  | 120.11                 | 31.39 | 114.76 | 29.32 | 105.99 | 25.55 | 101.56 | 23.72 | 94.67 | 21.36 | 88.35 | 18.90 |
|      | 27.0              | 25.3  | 124.64                 | 30.79 | 114.76 | 26.78 | 105.99 | 23.23 | 101.56 | 21.48 | 94.67 | 19.49 | 88.35 | 17.17 |
|      | 30.0              | 28.1  | 126.51                 | 29.54 | 114.76 | 24.46 | 105.99 | 21.12 | 101.56 | 19.46 | 97.25 | 18.27 | 88.35 | 15.59 |
|      | -30.0             | -30.5 | 54.88                  | 20.54 | 53.83  | 21.18 | 52.77  | 21.81 | 52.25  | 22.13 | 51.72 | 22.43 | 50.66 | 23.01 |
|      | -25.0             | -25.4 | 54.88                  | 20.70 | 53.83  | 21.24 | 52.77  | 21.79 | 52.25  | 22.06 | 51.72 | 22.32 | 50.66 | 22.84 |
|      | -19.8             | -20.0 | 54.88                  | 20.87 | 53.83  | 21.30 | 52.77  | 21.78 | 52.25  | 21.98 | 51.72 | 22.22 | 50.66 | 22.67 |
|      | -18.8             | -19.0 | 54.88                  | 20.85 | 53.83  | 21.32 | 52.77  | 21.73 | 52.25  | 21.97 | 51.72 | 22.17 | 50.66 | 22.60 |
|      | -16.7             | -17.0 | 54.88                  | 20.81 | 53.83  | 21.22 | 52.77  | 21.64 | 52.25  | 21.85 | 51.72 | 22.06 | 51.13 | 22.67 |
|      | -13.7             | -15.0 | 54.88                  | 20.84 | 54.29  | 21.42 | 53.34  | 21.87 | 52.87  | 22.11 | 52.40 | 22.34 | 52.24 | 23.16 |
|      | -11.8             | -13.0 | 55.59                  | 20.91 | 55.45  | 21.69 | 54.59  | 22.19 | 54.15  | 22.44 | 53.72 | 22.68 | 52.85 | 23.19 |
|      | -9.8              | -11.0 | 56.99                  | 21.28 | 56.11  | 21.79 | 55.22  | 22.26 | 54.77  | 22.51 | 54.33 | 22.74 | 53.43 | 23.22 |
|      | -9.5              | -10.0 | 57.32                  | 21.22 | 56.42  | 21.68 | 55.52  | 22.16 | 55.07  | 22.41 | 54.62 | 22.64 | 53.71 | 23.10 |
|      | -8.5              | -9.1  | 57.61                  | 21.26 | 56.70  | 21.70 | 55.79  | 22.19 | 55.33  | 22.43 | 54.87 | 22.66 | 53.96 | 23.13 |
|      | -7.0              | -7.6  | 58.07                  | 21.26 | 57.14  | 21.72 | 56.22  | 22.20 | 55.75  | 22.42 | 55.28 | 22.65 | 54.35 | 23.13 |
|      | -5.0              | -5.6  | 57.68                  | 20.92 | 56.74  | 21.35 | 55.80  | 21.80 | 55.33  | 22.02 | 54.86 | 22.25 | 53.91 | 22.72 |
|      | -3.0              | -3.7  | 59.78                  | 21.19 | 58.81  | 21.63 | 57.83  | 22.09 | 57.34  | 22.31 | 56.85 | 22.53 | 55.87 | 23.00 |
|      | 0.0               | -0.7  | 64.87                  | 22.19 | 63.81  | 22.66 | 62.75  | 23.15 | 62.22  | 23.36 | 61.69 | 23.61 | 60.62 | 24.06 |
|      | 3.0               | 2.2   | 72.76                  | 24.08 | 71.60  | 24.60 | 70.43  | 25.11 | 69.84  | 25.37 | 69.26 | 25.63 | 67.95 | 25.92 |
|      | 5.0               | 4.1   | 79.18                  | 25.65 | 77.94  | 26.22 | 76.68  | 26.78 | 76.05  | 27.05 | 75.42 | 27.35 | 73.34 | 26.50 |
|      | 7.0               | 6.0   | 90.27                  | 28.68 | 88.53  | 29.19 | 86.80  | 29.71 | 85.93  | 29.98 | 85.06 | 30.22 | 81.72 | 27.91 |
|      | 9.0               | 7.9   | 93.16                  | 28.98 | 91.37  | 29.53 | 89.58  | 30.06 | 88.68  | 30.34 | 87.78 | 29.80 | 81.72 | 26.39 |
|      | 11.0              | 9.8   | 96.05                  | 29.31 | 94.20  | 29.87 | 92.35  | 30.41 | 91.43  | 30.09 | 87.78 | 28.18 | 81.72 | 24.89 |
|      | 13.0              | 11.8  | 98.94                  | 29.61 | 97.03  | 30.17 | 95.13  | 30.25 | 91.43  | 28.35 | 87.78 | 26.53 | 81.72 | 23.36 |
|      | 15.0              | 13.7  | 101.82                 | 29.89 | 99.87  | 30.50 | 97.91  | 29.41 | 91.43  | 26.75 | 87.78 | 25.01 | 81.72 | 21.97 |
|      | 18.0              | 16.6  | 106.16                 | 30.37 | 104.12 | 30.12 | 97.91  | 26.92 | 93.76  | 25.06 | 87.78 | 22.81 | 81.72 | 20.14 |
|      | 21.0              | 19.5  | 110.49                 | 30.80 | 104.12 | 27.56 | 97.91  | 24.52 | 93.76  | 22.84 | 87.78 | 20.74 | 81.72 | 18.43 |
|      | 24.0              | 22.4  | 114.16                 | 29.10 | 104.12 | 25.13 | 97.91  | 22.28 | 93.76  | 20.78 | 87.78 | 18.99 | 81.72 | 16.76 |
|      | 27.0              | 25.3  | 114.16                 | 26.57 | 105.95 | 23.25 | 97.91  | 20.29 | 93.76  | 18.94 | 87.78 | 17.27 | 81.72 | 15.15 |
|      | 30.0              | 28.1  | 114.16                 | 24.25 | 105.95 | 21.15 | 97.93  | 18.49 | 93.76  | 17.26 | 89.82 | 16.07 | 81.72 | 13.70 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...



## V8 PRO VRF 50Hz



Table2-8.23:26HP heating capacity(continued)

| CR   | Outdoor air temp. |       | Indoor air temp. °C DB |       |       |       |       |       |       |       |       |       |       |       |
|------|-------------------|-------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|      |                   |       | 16.0                   |       | 18.0  |       | 20.0  |       | 21.0  |       | 22.0  |       | 24.0  |       |
|      | °C DB             | °C WB | TC                     | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    |
| 110% | -30.0             | -30.5 | 51.84                  | 19.95 | 50.85 | 20.58 | 49.85 | 21.17 | 49.35 | 21.45 | 48.85 | 21.75 | 47.86 | 22.29 |
|      | -25.0             | -25.4 | 51.84                  | 20.09 | 50.85 | 20.61 | 49.85 | 21.13 | 49.35 | 21.38 | 48.85 | 21.64 | 47.86 | 22.13 |
|      | -19.8             | -20.0 | 51.84                  | 20.23 | 50.85 | 20.65 | 49.85 | 21.10 | 49.35 | 21.30 | 48.85 | 21.53 | 47.86 | 21.97 |
|      | -18.8             | -19.0 | 51.84                  | 20.22 | 50.85 | 20.64 | 49.85 | 21.06 | 49.35 | 21.27 | 48.85 | 21.48 | 48.32 | 22.12 |
|      | -16.7             | -17.0 | 51.84                  | 20.17 | 51.29 | 20.75 | 50.40 | 21.21 | 49.96 | 21.45 | 49.52 | 21.66 | 49.39 | 22.47 |
|      | -13.7             | -15.0 | 52.53                  | 20.47 | 52.41 | 21.22 | 51.60 | 21.74 | 51.20 | 21.98 | 50.79 | 22.23 | 49.98 | 22.74 |
|      | -11.8             | -13.0 | 53.88                  | 20.85 | 53.05 | 21.30 | 52.21 | 21.79 | 51.79 | 22.04 | 51.38 | 22.29 | 50.54 | 22.77 |
|      | -9.8              | -11.0 | 54.50                  | 20.93 | 53.64 | 21.39 | 52.78 | 21.86 | 52.35 | 22.07 | 51.92 | 22.32 | 51.06 | 22.81 |
|      | -9.5              | -10.0 | 54.79                  | 20.85 | 53.92 | 21.30 | 53.05 | 21.76 | 52.62 | 22.00 | 52.18 | 22.22 | 51.30 | 22.69 |
|      | -8.5              | -9.1  | 55.05                  | 20.87 | 54.17 | 21.32 | 53.29 | 21.78 | 52.85 | 22.01 | 52.41 | 22.24 | 51.53 | 22.70 |
|      | -7.0              | -7.6  | 55.47                  | 20.89 | 54.57 | 21.34 | 53.68 | 21.78 | 53.23 | 22.00 | 52.78 | 22.23 | 51.88 | 22.70 |
|      | -5.0              | -5.6  | 55.05                  | 20.56 | 54.14 | 20.98 | 53.24 | 21.41 | 52.79 | 21.63 | 52.33 | 21.84 | 51.42 | 22.28 |
|      | -3.0              | -3.7  | 57.05                  | 20.83 | 56.12 | 21.28 | 55.18 | 21.69 | 54.70 | 21.91 | 54.23 | 22.12 | 53.28 | 22.57 |
|      | 0.0               | -0.7  | 61.89                  | 21.87 | 60.88 | 22.32 | 59.86 | 22.78 | 59.36 | 23.01 | 58.84 | 23.23 | 57.50 | 23.01 |
|      | 3.0               | 2.2   | 69.49                  | 23.79 | 68.37 | 24.30 | 67.23 | 24.82 | 66.67 | 25.06 | 66.10 | 25.30 | 63.76 | 23.48 |
|      | 5.0               | 4.1   | 75.68                  | 25.41 | 74.48 | 25.97 | 73.26 | 26.50 | 72.65 | 26.78 | 71.49 | 26.03 | 68.76 | 23.91 |
|      | 7.0               | 6.0   | 85.27                  | 28.09 | 84.38 | 28.84 | 82.89 | 29.41 | 81.83 | 28.80 | 80.35 | 27.69 | 74.75 | 24.54 |
|      | 9.0               | 7.9   | 88.66                  | 28.67 | 87.13 | 29.22 | 85.33 | 29.05 | 83.77 | 27.91 | 80.35 | 26.16 | 74.75 | 23.16 |
|      | 11.0              | 9.8   | 91.47                  | 29.03 | 89.88 | 29.62 | 87.24 | 28.10 | 85.97 | 27.06 | 80.35 | 24.69 | 74.75 | 21.77 |
|      | 13.0              | 11.8  | 94.30                  | 29.37 | 92.43 | 29.32 | 87.24 | 26.42 | 85.97 | 25.45 | 80.35 | 23.14 | 74.75 | 20.56 |
| 100% | 15.0              | 13.7  | 97.11                  | 29.74 | 94.33 | 28.26 | 87.24 | 24.94 | 85.97 | 23.93 | 80.35 | 21.77 | 74.75 | 19.44 |
|      | 18.0              | 16.6  | 100.28                 | 28.82 | 97.16 | 26.65 | 87.24 | 22.70 | 85.97 | 21.78 | 80.35 | 19.94 | 74.75 | 17.78 |
|      | 21.0              | 19.5  | 104.37                 | 27.42 | 97.16 | 24.27 | 87.24 | 20.68 | 85.97 | 19.93 | 80.35 | 18.24 | 74.75 | 16.23 |
|      | 24.0              | 22.4  | 104.61                 | 25.04 | 97.16 | 22.04 | 87.24 | 18.89 | 85.97 | 18.22 | 80.35 | 16.61 | 74.75 | 14.66 |
|      | 27.0              | 25.3  | 104.61                 | 22.72 | 97.16 | 20.05 | 87.24 | 17.19 | 85.97 | 16.52 | 80.35 | 15.00 | 74.75 | 15.41 |
|      | 30.0              | 28.1  | 104.61                 | 20.62 | 97.16 | 18.23 | 89.84 | 16.11 | 85.97 | 14.97 | 82.30 | 13.88 | 74.75 | 16.19 |
|      | -30.0             | -30.5 | 51.53                  | 20.42 | 50.54 | 21.05 | 49.55 | 21.65 | 49.06 | 21.96 | 48.56 | 22.23 | 47.57 | 22.82 |
|      | -25.0             | -25.4 | 51.53                  | 20.56 | 50.54 | 21.09 | 49.55 | 21.61 | 49.06 | 21.87 | 48.56 | 22.12 | 47.57 | 22.64 |
|      | -19.8             | -20.0 | 51.53                  | 20.70 | 50.54 | 21.12 | 49.55 | 21.57 | 49.06 | 21.79 | 48.56 | 22.01 | 47.57 | 22.45 |
|      | -18.8             | -19.0 | 51.53                  | 20.69 | 50.54 | 21.09 | 49.55 | 21.54 | 49.06 | 21.75 | 48.56 | 21.97 | 48.03 | 22.62 |
|      | -16.7             | -17.0 | 51.53                  | 20.62 | 50.98 | 21.23 | 50.10 | 21.68 | 49.66 | 21.91 | 49.22 | 22.16 | 49.11 | 22.99 |
|      | -13.7             | -15.0 | 52.21                  | 20.96 | 52.09 | 21.73 | 51.29 | 22.24 | 50.89 | 22.49 | 50.49 | 22.73 | 49.69 | 23.27 |
|      | -11.8             | -13.0 | 53.55                  | 21.35 | 52.72 | 21.83 | 51.90 | 22.33 | 51.48 | 22.56 | 51.07 | 22.80 | 50.24 | 23.33 |
|      | -9.8              | -11.0 | 54.17                  | 21.43 | 53.32 | 21.91 | 52.47 | 22.40 | 52.04 | 22.65 | 51.61 | 22.87 | 50.76 | 23.35 |
|      | -9.5              | -10.0 | 54.46                  | 21.36 | 53.60 | 21.82 | 52.74 | 22.29 | 52.31 | 22.54 | 51.87 | 22.79 | 51.01 | 23.26 |
|      | -8.5              | -9.1  | 54.72                  | 21.41 | 53.85 | 21.86 | 52.98 | 22.32 | 52.54 | 22.57 | 52.10 | 22.80 | 51.23 | 23.30 |
|      | -7.0              | -7.6  | 55.13                  | 21.45 | 54.25 | 21.90 | 53.36 | 22.35 | 52.91 | 22.59 | 52.47 | 22.84 | 51.58 | 23.29 |
|      | -5.0              | -5.6  | 54.70                  | 21.11 | 53.81 | 21.55 | 52.91 | 22.01 | 52.46 | 22.22 | 52.01 | 22.46 | 50.96 | 22.57 |
|      | -3.0              | -3.7  | 56.68                  | 21.45 | 55.75 | 21.89 | 54.82 | 22.34 | 54.35 | 22.57 | 53.88 | 22.80 | 52.39 | 22.01 |
|      | 0.0               | -0.7  | 61.49                  | 22.56 | 60.48 | 23.03 | 59.47 | 23.49 | 58.97 | 23.73 | 58.18 | 23.35 | 56.11 | 21.64 |
|      | 3.0               | 2.2   | 69.02                  | 24.61 | 67.91 | 25.11 | 66.79 | 25.61 | 65.65 | 24.70 | 64.48 | 23.81 | 62.02 | 21.94 |
|      | 5.0               | 4.1   | 75.17                  | 26.30 | 73.97 | 26.85 | 72.13 | 26.19 | 70.83 | 25.24 | 68.53 | 23.90 | 66.19 | 22.10 |
|      | 7.0               | 6.0   | 84.76                  | 29.12 | 83.83 | 29.87 | 81.50 | 28.01 | 78.32 | 26.39 | 74.76 | 24.60 | 66.19 | 20.80 |
|      | 9.0               | 7.9   | 87.47                  | 29.54 | 85.79 | 29.01 | 81.50 | 26.45 | 78.32 | 24.88 | 74.76 | 23.23 | 66.19 | 19.75 |
|      | 11.0              | 9.8   | 90.86                  | 30.17 | 85.79 | 27.40 | 81.50 | 24.94 | 78.32 | 23.45 | 74.76 | 21.86 | 66.19 | 18.70 |
|      | 13.0              | 11.8  | 92.90                  | 29.13 | 85.79 | 25.78 | 81.50 | 23.44 | 78.32 | 22.01 | 74.76 | 20.61 | 66.19 | 17.65 |
|      | 15.0              | 13.7  | 92.90                  | 27.48 | 85.79 | 24.30 | 81.50 | 22.04 | 78.32 | 20.77 | 74.76 | 19.49 | 66.19 | 16.67 |
|      | 18.0              | 16.6  | 92.90                  | 25.10 | 88.36 | 22.83 | 81.55 | 20.18 | 78.32 | 19.03 | 74.76 | 17.85 | 69.26 | 16.49 |
|      | 21.0              | 19.5  | 92.90                  | 22.87 | 88.36 | 20.80 | 81.55 | 18.47 | 78.32 | 17.39 | 74.76 | 16.24 | 69.26 | 14.36 |
|      | 24.0              | 22.4  | 92.90                  | 20.73 | 88.36 | 18.98 | 81.55 | 16.78 | 78.32 | 15.75 | 74.76 | 14.72 | 69.26 | 15.06 |
|      | 27.0              | 25.3  | 92.90                  | 18.95 | 88.36 | 17.22 | 81.55 | 15.14 | 78.32 | 14.19 | 74.76 | 15.42 | 69.26 | 13.76 |
|      | 30.0              | 28.1  | 95.22                  | 17.75 | 88.36 | 15.63 | 81.55 | 13.66 | 78.32 | 12.78 | 74.76 | 16.15 | 69.26 | 12.56 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.23:26HP heating capacity(continued)

| CR  | Outdoor air temp. |       | Indoor air temp. °C DB |       |       |       |       |       |       |       |       |       |       |       |
|-----|-------------------|-------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|     |                   |       | 16.0                   |       | 18.0  |       | 20.0  |       | 21.0  |       | 22.0  |       | 24.0  |       |
|     | °C DB             | °C WB | TC                     | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    |
| 90% | -30.0             | -30.5 | 46.38                  | 19.02 | 45.49 | 19.56 | 44.60 | 20.11 | 44.15 | 20.37 | 43.70 | 20.68 | 42.81 | 21.15 |
|     | -25.0             | -25.4 | 46.38                  | 19.13 | 45.49 | 19.61 | 44.60 | 20.08 | 44.15 | 20.31 | 43.70 | 20.57 | 42.81 | 21.02 |
|     | -19.8             | -20.0 | 46.85                  | 19.44 | 46.06 | 19.90 | 45.26 | 20.36 | 45.58 | 20.91 | 45.23 | 21.18 | 44.54 | 21.74 |
|     | -18.8             | -19.0 | 47.01                  | 19.49 | 46.92 | 20.27 | 46.21 | 20.76 | 45.86 | 21.02 | 45.50 | 21.25 | 44.80 | 21.80 |
|     | -16.7             | -17.0 | 48.23                  | 19.95 | 47.50 | 20.44 | 46.77 | 20.94 | 46.40 | 21.19 | 46.03 | 21.40 | 45.30 | 21.94 |
|     | -13.7             | -15.0 | 48.80                  | 20.25 | 48.05 | 20.71 | 47.29 | 21.20 | 46.91 | 21.44 | 46.53 | 21.68 | 45.77 | 22.18 |
|     | -11.8             | -13.0 | 49.34                  | 20.36 | 48.56 | 20.81 | 47.79 | 21.27 | 47.39 | 21.51 | 47.00 | 21.73 | 46.22 | 22.21 |
|     | -9.8              | -11.0 | 49.84                  | 20.45 | 49.04 | 20.89 | 48.24 | 21.33 | 47.84 | 21.57 | 47.44 | 21.79 | 46.64 | 22.26 |
|     | -9.5              | -10.0 | 50.07                  | 20.39 | 49.26 | 20.82 | 48.45 | 21.26 | 48.05 | 21.49 | 47.64 | 21.70 | 46.66 | 21.78 |
|     | -8.5              | -9.1  | 50.27                  | 20.42 | 49.46 | 20.86 | 48.64 | 21.30 | 48.23 | 21.51 | 47.82 | 21.74 | 46.66 | 21.43 |
|     | -7.0              | -7.6  | 50.60                  | 20.47 | 49.77 | 20.90 | 48.94 | 21.35 | 48.53 | 21.55 | 48.11 | 21.77 | 46.66 | 20.81 |
|     | -5.0              | -5.6  | 50.13                  | 20.17 | 49.29 | 20.58 | 48.46 | 20.99 | 48.04 | 21.21 | 47.45 | 20.98 | 45.86 | 19.62 |
|     | -3.0              | -3.7  | 51.93                  | 20.50 | 51.07 | 20.92 | 50.20 | 21.34 | 49.61 | 21.16 | 48.81 | 20.48 | 47.15 | 19.11 |
|     | 0.0               | -0.7  | 56.37                  | 21.61 | 55.43 | 22.06 | 54.10 | 21.57 | 53.25 | 20.88 | 52.36 | 20.16 | 50.49 | 18.72 |
|     | 3.0               | 2.2   | 63.37                  | 23.66 | 62.08 | 23.55 | 60.11 | 22.05 | 59.07 | 21.27 | 58.03 | 20.49 | 55.83 | 18.98 |
|     | 5.0               | 4.1   | 69.12                  | 25.37 | 67.16 | 24.13 | 64.91 | 22.48 | 63.76 | 21.66 | 61.68 | 20.54 | 59.57 | 19.22 |
|     | 7.0               | 6.0   | 78.77                  | 27.70 | 75.47 | 25.64 | 73.35 | 24.00 | 70.37 | 22.54 | 68.56 | 21.54 | 59.57 | 18.21 |
|     | 9.0               | 7.9   | 79.67                  | 26.49 | 77.21 | 24.76 | 73.35 | 22.58 | 70.37 | 21.23 | 68.56 | 20.42 | 59.57 | 17.24 |
|     | 11.0              | 9.8   | 81.80                  | 25.71 | 79.61 | 24.07 | 73.35 | 21.27 | 70.37 | 20.12 | 68.56 | 19.34 | 59.57 | 16.31 |
| 80% | 13.0              | 11.8  | 83.61                  | 24.68 | 79.61 | 22.56 | 73.35 | 20.08 | 70.37 | 18.98 | 68.56 | 18.24 | 59.57 | 15.37 |
|     | 15.0              | 13.7  | 83.61                  | 23.26 | 79.61 | 21.22 | 73.35 | 18.98 | 70.37 | 17.95 | 68.56 | 17.21 | 59.57 | 14.45 |
|     | 18.0              | 16.6  | 83.61                  | 21.16 | 79.61 | 19.49 | 73.42 | 17.42 | 70.37 | 16.38 | 68.56 | 16.31 | 59.57 | 14.95 |
|     | 21.0              | 19.5  | 83.61                  | 19.32 | 79.61 | 17.80 | 73.42 | 15.84 | 70.37 | 14.86 | 68.56 | 14.19 | 59.57 | 13.68 |
|     | 24.0              | 22.4  | 83.61                  | 17.64 | 79.61 | 16.16 | 73.42 | 14.28 | 70.37 | 15.50 | 68.56 | 14.88 | 59.57 | 12.49 |
|     | 27.0              | 25.3  | 85.66                  | 16.37 | 79.61 | 14.54 | 73.42 | 15.00 | 70.37 | 14.17 | 68.56 | 13.57 | 59.57 | 11.36 |
|     | 30.0              | 28.1  | 85.66                  | 14.83 | 79.61 | 13.08 | 73.42 | 15.77 | 70.37 | 12.95 | 68.56 | 12.37 | 61.26 | 10.63 |
|     | -30.0             | -30.5 | 41.23                  | 17.55 | 40.43 | 18.07 | 39.64 | 18.52 | 39.25 | 18.79 | 38.85 | 19.04 | 38.06 | 19.32 |
|     | -25.0             | -25.4 | 41.23                  | 17.66 | 40.84 | 18.28 | 40.15 | 18.76 | 39.80 | 19.01 | 40.07 | 19.57 | 39.34 | 19.96 |
|     | -19.8             | -20.0 | 43.29                  | 18.66 | 42.64 | 19.13 | 41.98 | 19.61 | 41.65 | 19.85 | 41.33 | 20.11 | 40.67 | 20.61 |
|     | -18.8             | -19.0 | 43.54                  | 18.77 | 42.87 | 19.22 | 42.21 | 19.69 | 41.87 | 19.95 | 41.54 | 20.18 | 40.88 | 20.66 |
|     | -16.7             | -17.0 | 44.02                  | 18.95 | 43.33 | 19.40 | 42.65 | 19.85 | 42.30 | 20.08 | 41.96 | 20.30 | 41.27 | 20.79 |
|     | -13.7             | -15.0 | 44.46                  | 19.23 | 43.75 | 19.66 | 43.05 | 20.11 | 42.69 | 20.34 | 42.34 | 20.57 | 41.47 | 20.67 |
|     | -11.8             | -13.0 | 44.87                  | 19.34 | 44.15 | 19.76 | 43.42 | 20.19 | 43.06 | 20.41 | 42.70 | 20.63 | 41.47 | 19.95 |
|     | -9.8              | -11.0 | 45.26                  | 19.41 | 44.52 | 19.84 | 43.78 | 20.25 | 43.41 | 20.48 | 42.93 | 20.43 | 41.48 | 19.23 |
|     | -9.5              | -10.0 | 45.44                  | 19.36 | 44.70 | 19.78 | 43.95 | 20.18 | 43.58 | 20.39 | 42.92 | 19.95 | 41.48 | 18.76 |
|     | -8.5              | -9.1  | 45.60                  | 19.42 | 44.85 | 19.82 | 44.10 | 20.23 | 43.63 | 20.20 | 42.92 | 19.60 | 41.48 | 18.42 |
|     | -7.0              | -7.6  | 45.86                  | 19.47 | 45.10 | 19.86 | 44.30 | 20.17 | 43.62 | 19.60 | 42.92 | 19.03 | 41.47 | 17.85 |
|     | -5.0              | -5.6  | 45.37                  | 19.17 | 44.61 | 19.55 | 43.52 | 19.05 | 42.86 | 18.49 | 42.18 | 17.94 | 40.77 | 16.79 |
|     | -3.0              | -3.7  | 47.00                  | 19.51 | 46.13 | 19.71 | 44.79 | 18.60 | 44.10 | 18.02 | 43.40 | 17.47 | 41.92 | 16.31 |
|     | 0.0               | -0.7  | 51.01                  | 20.59 | 49.58 | 19.46 | 48.09 | 18.31 | 47.32 | 17.71 | 46.54 | 17.14 | 44.89 | 16.08 |
|     | 3.0               | 2.2   | 56.86                  | 21.15 | 55.17 | 19.89 | 53.43 | 18.62 | 52.52 | 17.98 | 51.59 | 17.45 | 49.63 | 16.42 |
|     | 5.0               | 4.1   | 61.59                  | 21.65 | 59.69 | 20.31 | 57.72 | 18.96 | 56.69 | 18.38 | 54.83 | 17.58 | 52.95 | 16.62 |
|     | 7.0               | 6.0   | 70.01                  | 23.26 | 67.09 | 21.52 | 65.20 | 20.28 | 63.72 | 19.61 | 59.83 | 18.18 | 54.40 | 16.16 |
|     | 9.0               | 7.9   | 70.82                  | 22.19 | 68.63 | 20.72 | 65.20 | 19.23 | 63.72 | 18.58 | 59.83 | 17.22 | 54.40 | 15.25 |
|     | 11.0              | 9.8   | 72.71                  | 21.43 | 68.63 | 19.60 | 65.20 | 18.21 | 63.72 | 17.60 | 59.83 | 16.29 | 54.40 | 14.40 |
|     | 13.0              | 11.8  | 74.32                  | 20.55 | 68.63 | 18.50 | 65.20 | 17.15 | 63.72 | 16.52 | 59.83 | 15.30 | 54.40 | 15.00 |
|     | 15.0              | 13.7  | 74.32                  | 19.44 | 70.71 | 18.02 | 65.20 | 16.17 | 63.72 | 15.57 | 59.83 | 14.41 | 54.40 | 14.26 |
|     | 18.0              | 16.6  | 76.11                  | 18.25 | 70.71 | 16.49 | 66.48 | 15.61 | 63.72 | 14.72 | 59.83 | 14.93 | 54.40 | 13.17 |
|     | 21.0              | 19.5  | 76.11                  | 16.61 | 70.71 | 14.95 | 66.48 | 15.59 | 63.72 | 14.72 | 59.83 | 13.63 | 54.40 | 12.03 |
|     | 24.0              | 22.4  | 76.11                  | 15.01 | 70.71 | 13.44 | 66.48 | 14.23 | 63.72 | 13.44 | 59.83 | 12.44 | 54.40 | 10.98 |
|     | 27.0              | 25.3  | 76.11                  | 13.46 | 70.71 | 14.19 | 66.48 | 12.98 | 63.72 | 12.25 | 59.83 | 11.32 | 54.40 | 9.75  |
|     | 30.0              | 28.1  | 76.11                  | 12.07 | 70.71 | 14.98 | 66.48 | 11.84 | 63.72 | 11.16 | 59.83 | 10.30 | 54.40 | 8.66  |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

## V8 PRO VRF 50Hz



Table2-8.23:26HP heating capacity(continued)

| CR  | Outdoor air temp. |       | Indoor air temp. °C DB |       |       |       |       |       |       |       |       |       |       |       |
|-----|-------------------|-------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|     |                   |       | 16.0                   |       | 18.0  |       | 20.0  |       | 21.0  |       | 22.0  |       | 24.0  |       |
|     | °C DB             | °C WB | TC                     | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    |
| 70% | -30.0             | -30.5 | 36.07                  | 16.06 | 35.75 | 16.64 | 35.15 | 17.14 | 35.38 | 17.65 | 34.43 | 17.41 | 33.30 | 16.75 |
|     | -25.0             | -25.4 | 37.86                  | 16.99 | 37.31 | 17.47 | 36.75 | 17.98 | 36.48 | 18.24 | 36.09 | 18.34 | 34.78 | 17.69 |
|     | -19.8             | -20.0 | 38.96                  | 17.63 | 38.36 | 18.06 | 37.75 | 18.53 | 37.45 | 18.77 | 37.15 | 18.98 | 36.13 | 18.59 |
|     | -18.8             | -19.0 | 39.15                  | 17.73 | 38.54 | 18.15 | 37.92 | 18.60 | 37.62 | 18.82 | 37.31 | 19.05 | 36.30 | 18.65 |
|     | -16.7             | -17.0 | 39.51                  | 17.92 | 38.88 | 18.32 | 38.25 | 18.75 | 37.93 | 18.97 | 37.56 | 19.06 | 36.29 | 18.05 |
|     | -13.7             | -15.0 | 39.84                  | 18.18 | 39.20 | 18.58 | 38.55 | 19.00 | 38.17 | 19.08 | 37.56 | 18.58 | 36.29 | 17.57 |
|     | -11.8             | -13.0 | 40.16                  | 18.28 | 39.50 | 18.67 | 38.76 | 18.86 | 38.17 | 18.41 | 37.56 | 17.92 | 36.30 | 16.91 |
|     | -9.8              | -11.0 | 40.46                  | 18.36 | 39.79 | 18.76 | 38.76 | 18.21 | 38.17 | 17.73 | 37.56 | 17.24 | 36.29 | 16.23 |
|     | -9.5              | -10.0 | 40.60                  | 18.32 | 39.92 | 18.70 | 38.77 | 17.76 | 38.17 | 17.30 | 37.56 | 16.80 | 36.30 | 15.81 |
|     | -8.5              | -9.1  | 40.72                  | 18.38 | 39.92 | 18.39 | 38.77 | 17.48 | 38.17 | 17.00 | 37.56 | 16.50 | 36.29 | 15.48 |
|     | -7.0              | -7.6  | 40.92                  | 18.41 | 39.92 | 17.88 | 38.77 | 16.94 | 38.17 | 16.46 | 37.57 | 15.98 | 36.29 | 15.06 |
|     | -5.0              | -5.6  | 40.29                  | 17.71 | 39.21 | 16.84 | 38.08 | 15.94 | 37.50 | 15.46 | 36.91 | 15.00 | 35.67 | 14.23 |
|     | -3.0              | -3.7  | 41.49                  | 17.31 | 40.36 | 16.42 | 39.19 | 15.51 | 38.59 | 15.04 | 37.97 | 14.63 | 36.68 | 13.90 |
|     | 0.0               | -0.7  | 44.64                  | 17.09 | 43.39 | 16.15 | 42.09 | 15.22 | 41.41 | 14.85 | 40.72 | 14.48 | 39.28 | 13.71 |
|     | 3.0               | 2.2   | 49.75                  | 17.45 | 48.28 | 16.43 | 46.74 | 15.61 | 45.96 | 15.23 | 45.13 | 14.81 | 43.43 | 13.99 |
|     | 5.0               | 4.1   | 53.89                  | 17.82 | 52.24 | 16.86 | 50.51 | 16.02 | 49.59 | 15.57 | 47.98 | 14.91 | 46.33 | 14.10 |
|     | 7.0               | 6.0   | 61.27                  | 19.12 | 58.70 | 17.95 | 57.05 | 17.12 | 54.73 | 16.24 | 52.34 | 15.41 | 47.61 | 15.04 |
|     | 9.0               | 7.9   | 61.96                  | 18.31 | 60.05 | 17.39 | 57.14 | 16.24 | 54.73 | 15.35 | 52.34 | 14.42 | 47.61 | 14.03 |
|     | 11.0              | 9.8   | 63.63                  | 17.81 | 61.90 | 16.97 | 57.14 | 15.31 | 54.73 | 14.49 | 52.34 | 15.15 | 47.61 | 13.24 |
|     | 13.0              | 11.8  | 65.03                  | 17.13 | 61.90 | 15.95 | 57.14 | 14.37 | 54.73 | 15.15 | 52.34 | 14.24 | 47.61 | 12.42 |
|     | 15.0              | 13.7  | 65.03                  | 16.14 | 61.90 | 15.03 | 57.14 | 15.32 | 54.73 | 14.37 | 52.34 | 13.42 | 47.61 | 11.67 |
|     | 18.0              | 16.6  | 66.65                  | 15.10 | 61.90 | 15.54 | 57.14 | 14.03 | 54.73 | 13.25 | 52.34 | 12.38 | 47.61 | 10.80 |
|     | 21.0              | 19.5  | 66.65                  | 13.62 | 61.90 | 14.20 | 57.14 | 12.80 | 54.73 | 12.09 | 52.34 | 11.44 | 47.61 | 9.86  |
|     | 24.0              | 22.4  | 66.65                  | 14.30 | 61.90 | 12.97 | 57.14 | 11.65 | 54.73 | 11.02 | 52.34 | 10.46 | 47.61 | 9.04  |
|     | 27.0              | 25.3  | 66.65                  | 13.01 | 61.90 | 11.79 | 57.14 | 10.63 | 54.73 | 9.82  | 52.34 | 9.18  | 47.61 | 7.86  |
|     | 30.0              | 28.1  | 66.65                  | 11.83 | 61.90 | 10.71 | 57.14 | 9.70  | 54.73 | 8.75  | 52.34 | 8.06  | 47.61 | 6.84  |
| 60% | -30.0             | -30.5 | 32.64                  | 15.37 | 32.18 | 15.85 | 31.27 | 15.61 | 30.67 | 15.32 | 30.10 | 15.17 | 28.79 | 14.72 |
|     | -25.0             | -25.4 | 33.54                  | 15.99 | 33.03 | 16.44 | 32.25 | 16.37 | 31.75 | 16.13 | 31.23 | 15.91 | 30.15 | 15.36 |
|     | -19.8             | -20.0 | 34.33                  | 16.58 | 33.79 | 16.98 | 33.11 | 17.09 | 32.67 | 16.89 | 32.20 | 16.58 | 31.11 | 15.80 |
|     | -18.8             | -19.0 | 34.47                  | 16.66 | 33.92 | 17.06 | 33.23 | 17.13 | 32.72 | 16.74 | 32.19 | 16.33 | 31.11 | 15.54 |
|     | -16.7             | -17.0 | 34.73                  | 16.83 | 34.17 | 17.22 | 33.23 | 16.61 | 32.72 | 16.24 | 32.19 | 15.82 | 31.11 | 15.01 |
|     | -13.7             | -15.0 | 34.98                  | 17.08 | 34.22 | 16.93 | 33.23 | 16.17 | 32.72 | 15.77 | 32.19 | 15.37 | 31.11 | 14.55 |
|     | -11.8             | -13.0 | 35.17                  | 17.05 | 34.22 | 16.33 | 33.23 | 15.56 | 32.72 | 15.17 | 32.20 | 14.78 | 31.11 | 14.04 |
|     | -9.8              | -11.0 | 35.17                  | 16.45 | 34.21 | 15.71 | 33.23 | 14.94 | 32.72 | 14.56 | 32.20 | 14.17 | 31.11 | 13.57 |
|     | -9.5              | -10.0 | 35.17                  | 16.05 | 34.21 | 15.32 | 33.23 | 14.57 | 32.72 | 14.17 | 32.20 | 13.82 | 31.11 | 13.24 |
|     | -8.5              | -9.1  | 35.17                  | 15.80 | 34.22 | 15.05 | 33.23 | 14.29 | 32.72 | 13.90 | 32.20 | 13.61 | 31.11 | 13.03 |
|     | -7.0              | -7.6  | 35.17                  | 15.31 | 34.22 | 14.58 | 33.23 | 13.81 | 32.72 | 13.54 | 32.20 | 13.25 | 31.11 | 12.63 |
|     | -5.0              | -5.6  | 34.54                  | 14.41 | 33.60 | 13.68 | 32.64 | 13.07 | 32.15 | 12.78 | 31.64 | 12.49 | 30.58 | 11.92 |
|     | -3.0              | -3.7  | 35.56                  | 14.01 | 34.59 | 13.31 | 33.59 | 12.77 | 33.08 | 12.49 | 32.54 | 12.19 | 31.45 | 11.63 |
|     | 0.0               | -0.7  | 38.68                  | 14.06 | 37.62 | 13.50 | 36.52 | 12.91 | 35.96 | 12.62 | 35.37 | 12.32 | 34.17 | 13.04 |
|     | 3.0               | 2.2   | 43.19                  | 14.50 | 41.96 | 13.90 | 40.67 | 13.25 | 39.99 | 12.92 | 39.31 | 12.59 | 37.86 | 13.30 |
|     | 5.0               | 4.1   | 46.87                  | 14.94 | 45.47 | 14.26 | 44.01 | 13.58 | 43.26 | 13.24 | 42.45 | 14.38 | 40.27 | 13.38 |
|     | 7.0               | 6.0   | 53.44                  | 16.10 | 51.71 | 15.32 | 49.41 | 14.42 | 48.41 | 15.33 | 47.92 | 15.05 | 43.81 | 13.08 |
|     | 9.0               | 7.9   | 54.73                  | 15.58 | 52.24 | 14.66 | 50.46 | 15.15 | 49.96 | 14.76 | 47.92 | 13.94 | 43.81 | 12.28 |
|     | 11.0              | 9.8   | 56.01                  | 15.07 | 53.61 | 14.20 | 52.03 | 14.72 | 49.96 | 13.93 | 47.92 | 13.11 | 43.81 | 11.51 |
|     | 13.0              | 11.8  | 56.50                  | 14.28 | 54.67 | 15.03 | 52.03 | 14.00 | 49.96 | 13.08 | 47.92 | 12.27 | 43.81 | 10.81 |
|     | 15.0              | 13.7  | 57.92                  | 15.58 | 56.26 | 14.63 | 52.03 | 13.14 | 49.96 | 12.26 | 47.92 | 11.58 | 43.81 | 10.21 |
|     | 18.0              | 16.6  | 59.81                  | 14.73 | 56.26 | 13.43 | 52.03 | 11.94 | 49.96 | 11.36 | 47.92 | 10.60 | 43.81 | 9.29  |
|     | 21.0              | 19.5  | 59.81                  | 13.45 | 56.26 | 12.37 | 52.03 | 11.00 | 49.96 | 10.38 | 47.92 | 9.84  | 43.81 | 8.44  |
|     | 24.0              | 22.4  | 59.81                  | 12.22 | 56.26 | 11.30 | 52.03 | 10.11 | 49.96 | 9.39  | 47.92 | 8.91  | 43.81 | 7.64  |
|     | 27.0              | 25.3  | 59.81                  | 11.14 | 56.26 | 9.94  | 52.03 | 9.00  | 49.96 | 8.25  | 47.92 | 7.67  | 43.81 | 6.65  |
|     | 30.0              | 28.1  | 61.37                  | 10.42 | 56.26 | 8.74  | 53.01 | 8.16  | 50.43 | 7.32  | 47.92 | 6.61  | 43.81 | 5.79  |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.23:26HP heating capacity(continued)

| CR  | Outdoor air temp. |       | Indoor air temp. °C DB |       |       |       |       |       |       |       |       |       |       |       |
|-----|-------------------|-------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|     |                   |       | 16.0                   |       | 18.0  |       | 20.0  |       | 21.0  |       | 22.0  |       | 24.0  |       |
|     |                   |       | TC                     | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    |
| 50% | °C DB             | °C WB | kW                     | kW    | kW    | kW    | kW    | kW    | kW    | kW    | kW    | kW    | kW    | kW    |
|     | -30.0             | -30.5 | 28.49                  | 14.46 | 27.71 | 14.24 | 26.92 | 14.02 | 26.52 | 13.87 | 26.11 | 13.76 | 25.29 | 13.46 |
|     | -25.0             | -25.4 | 29.08                  | 14.97 | 28.30 | 14.58 | 27.49 | 14.18 | 27.08 | 13.96 | 26.66 | 13.74 | 25.80 | 13.33 |
|     | -19.8             | -20.0 | 29.59                  | 15.46 | 28.81 | 14.89 | 28.00 | 14.32 | 27.58 | 14.02 | 27.16 | 13.69 | 26.26 | 13.17 |
|     | -18.8             | -19.0 | 29.59                  | 15.23 | 28.81 | 14.67 | 28.00 | 14.08 | 27.58 | 13.77 | 27.15 | 13.46 | 26.26 | 13.01 |
|     | -16.7             | -17.0 | 29.59                  | 14.78 | 28.81 | 14.19 | 28.00 | 13.59 | 27.58 | 13.28 | 27.16 | 13.05 | 26.27 | 12.65 |
|     | -13.7             | -15.0 | 29.60                  | 14.38 | 28.81 | 13.78 | 28.00 | 13.19 | 27.58 | 12.94 | 27.16 | 12.74 | 26.27 | 12.31 |
|     | -11.8             | -13.0 | 29.59                  | 13.82 | 28.81 | 13.24 | 28.00 | 12.73 | 27.58 | 12.51 | 27.15 | 12.28 | 26.26 | 11.84 |
|     | -9.8              | -11.0 | 29.59                  | 13.27 | 28.81 | 12.72 | 28.00 | 12.28 | 27.58 | 12.05 | 27.15 | 11.83 | 26.27 | 11.37 |
|     | -9.5              | -10.0 | 29.60                  | 12.94 | 28.81 | 12.42 | 28.00 | 11.98 | 27.58 | 11.77 | 27.15 | 11.54 | 26.27 | 11.09 |
|     | -8.5              | -9.1  | 29.60                  | 12.68 | 28.82 | 12.24 | 28.00 | 11.79 | 27.58 | 11.56 | 27.16 | 11.35 | 26.27 | 10.88 |
|     | -7.0              | -7.6  | 29.59                  | 12.30 | 28.82 | 11.89 | 28.00 | 11.44 | 27.59 | 11.23 | 27.16 | 11.00 | 26.26 | 11.65 |
|     | -5.0              | -5.6  | 29.05                  | 11.61 | 28.29 | 11.21 | 27.50 | 10.79 | 27.09 | 10.56 | 26.67 | 10.35 | 25.81 | 10.97 |
|     | -3.0              | -3.7  | 29.93                  | 11.35 | 29.14 | 10.96 | 28.32 | 10.54 | 27.89 | 10.31 | 27.45 | 11.21 | 26.55 | 10.70 |
|     | 0.0               | -0.7  | 32.23                  | 11.26 | 31.35 | 10.83 | 30.44 | 11.57 | 29.97 | 11.32 | 29.48 | 11.06 | 28.47 | 10.52 |
|     | 3.0               | 2.2   | 36.00                  | 11.58 | 34.96 | 12.39 | 33.89 | 11.85 | 33.33 | 11.57 | 32.76 | 11.30 | 31.55 | 10.73 |
|     | 5.0               | 4.1   | 39.06                  | 11.90 | 37.89 | 12.72 | 36.66 | 12.13 | 36.03 | 11.81 | 35.38 | 11.51 | 33.56 | 10.64 |
|     | 7.0               | 6.0   | 44.54                  | 14.05 | 43.09 | 13.18 | 41.17 | 12.24 | 40.34 | 11.79 | 39.94 | 11.47 | 33.56 | 9.38  |
|     | 9.0               | 7.9   | 45.65                  | 13.52 | 43.50 | 12.51 | 42.05 | 11.76 | 41.63 | 11.44 | 39.94 | 10.83 | 33.56 | 8.89  |
|     | 11.0              | 9.8   | 46.67                  | 12.98 | 44.67 | 12.07 | 43.36 | 11.34 | 41.63 | 10.76 | 39.94 | 10.23 | 33.56 | 8.38  |
|     | 13.0              | 11.8  | 47.08                  | 12.27 | 45.56 | 11.50 | 43.36 | 10.65 | 41.99 | 10.20 | 40.16 | 9.64  | 36.57 | 8.57  |
|     | 15.0              | 13.7  | 48.26                  | 11.97 | 46.89 | 11.23 | 43.36 | 10.06 | 41.99 | 9.60  | 40.16 | 9.04  | 36.57 | 8.00  |
|     | 18.0              | 16.6  | 49.84                  | 11.28 | 46.89 | 10.22 | 43.36 | 9.13  | 41.99 | 8.74  | 40.16 | 8.19  | 36.57 | 7.18  |
|     | 21.0              | 19.5  | 49.84                  | 10.26 | 47.80 | 9.79  | 43.36 | 8.26  | 41.99 | 7.84  | 40.16 | 7.33  | 36.57 | 6.51  |
|     | 24.0              | 22.4  | 49.84                  | 9.39  | 47.80 | 8.74  | 43.36 | 7.50  | 41.99 | 7.04  | 40.16 | 6.68  | 36.57 | 5.96  |
|     | 27.0              | 25.3  | 49.84                  | 8.15  | 47.80 | 7.50  | 43.84 | 6.61  | 41.99 | 6.24  | 40.16 | 5.94  | 36.57 | 5.30  |
|     | 30.0              | 28.1  | 49.84                  | 7.08  | 47.80 | 6.45  | 43.84 | 5.75  | 41.99 | 5.53  | 40.16 | 5.29  | 36.57 | 4.72  |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

## V8 PRO VRF 50Hz



Table2-8.24:28HP heating capacity

| CR   | Outdoor air temp. |       | Indoor air temp. °C DB |       |        |       |        |       |        |       |        |       |       |       |
|------|-------------------|-------|------------------------|-------|--------|-------|--------|-------|--------|-------|--------|-------|-------|-------|
|      |                   |       | 16.0                   |       | 18.0   |       | 20.0   |       | 21.0   |       | 22.0   |       | 24.0  |       |
|      | °C DB             | °C WB | TC                     | PI    | TC     | PI    | TC     | PI    | TC     | PI    | TC     | PI    | TC    | PI    |
| 130% | -30.0             | -30.5 | 61.64                  | 22.34 | 60.45  | 23.02 | 59.26  | 23.71 | 58.67  | 24.07 | 58.08  | 24.39 | 56.89 | 25.03 |
|      | -25.0             | -25.4 | 61.64                  | 22.53 | 60.45  | 23.12 | 59.26  | 23.72 | 58.67  | 24.01 | 58.08  | 24.29 | 56.89 | 24.86 |
|      | -19.8             | -20.0 | 61.64                  | 22.72 | 60.45  | 23.22 | 59.26  | 23.74 | 58.67  | 23.95 | 58.08  | 24.19 | 56.89 | 24.69 |
|      | -18.8             | -19.0 | 61.64                  | 22.72 | 60.45  | 23.19 | 59.26  | 23.67 | 58.67  | 23.90 | 58.08  | 24.17 | 56.89 | 24.61 |
|      | -16.7             | -17.0 | 61.64                  | 22.61 | 60.45  | 23.09 | 59.26  | 23.56 | 58.67  | 23.79 | 58.08  | 24.03 | 56.89 | 24.47 |
|      | -13.7             | -15.0 | 61.64                  | 22.66 | 60.45  | 23.15 | 59.26  | 23.58 | 58.67  | 23.80 | 58.54  | 24.22 | 57.49 | 24.71 |
|      | -11.8             | -13.0 | 62.11                  | 22.66 | 61.05  | 23.16 | 59.98  | 23.64 | 59.45  | 23.90 | 58.91  | 24.15 | 58.79 | 25.03 |
|      | -9.8              | -11.0 | 62.51                  | 22.61 | 62.41  | 23.45 | 61.43  | 24.00 | 60.94  | 24.26 | 60.45  | 24.54 | 59.47 | 25.06 |
|      | -9.5              | -10.0 | 63.77                  | 22.85 | 62.78  | 23.38 | 61.79  | 23.90 | 61.29  | 24.16 | 60.79  | 24.42 | 59.79 | 24.96 |
|      | -8.5              | -9.1  | 64.10                  | 22.89 | 63.10  | 23.42 | 62.09  | 23.93 | 61.59  | 24.17 | 61.09  | 24.45 | 60.07 | 24.96 |
|      | -7.0              | -7.6  | 64.63                  | 22.91 | 63.61  | 23.42 | 62.59  | 23.91 | 62.07  | 24.19 | 61.56  | 24.43 | 60.53 | 24.94 |
|      | -5.0              | -5.6  | 64.24                  | 22.54 | 63.21  | 23.02 | 62.17  | 23.51 | 61.65  | 23.76 | 61.13  | 24.01 | 60.08 | 24.49 |
|      | -3.0              | -3.7  | 66.59                  | 22.82 | 65.51  | 23.32 | 64.44  | 23.80 | 63.89  | 24.07 | 63.35  | 24.30 | 62.26 | 24.79 |
|      | 0.0               | -0.7  | 72.23                  | 23.88 | 71.07  | 24.38 | 69.90  | 24.89 | 69.31  | 25.15 | 68.73  | 25.40 | 67.54 | 25.93 |
|      | 3.0               | 2.2   | 80.98                  | 25.82 | 79.70  | 26.40 | 78.41  | 26.97 | 77.76  | 27.25 | 77.11  | 27.53 | 75.80 | 28.09 |
|      | 5.0               | 4.1   | 86.93                  | 27.11 | 86.72  | 28.08 | 85.33  | 28.70 | 84.64  | 29.00 | 83.94  | 29.31 | 82.54 | 29.93 |
|      | 7.0               | 6.0   | 101.37                 | 30.95 | 99.42  | 31.53 | 97.47  | 32.11 | 96.50  | 32.39 | 95.53  | 32.66 | 93.58 | 32.95 |
|      | 9.0               | 7.9   | 104.62                 | 31.27 | 102.61 | 31.87 | 100.59 | 32.44 | 99.59  | 32.74 | 98.58  | 33.03 | 93.58 | 31.14 |
|      | 11.0              | 9.8   | 107.86                 | 31.58 | 105.79 | 32.19 | 103.71 | 32.78 | 102.68 | 33.07 | 101.64 | 33.37 | 93.58 | 29.44 |
|      | 13.0              | 11.8  | 111.11                 | 31.84 | 108.97 | 32.46 | 106.83 | 33.08 | 105.76 | 33.38 | 101.64 | 33.86 | 94.86 | 28.11 |
| 120% | 15.0              | 13.7  | 114.35                 | 32.13 | 112.15 | 32.77 | 109.95 | 33.42 | 108.85 | 33.13 | 101.64 | 30.08 | 94.86 | 26.45 |
|      | 18.0              | 16.6  | 119.22                 | 32.57 | 116.92 | 33.26 | 109.95 | 31.53 | 108.85 | 30.32 | 101.64 | 27.50 | 94.86 | 24.13 |
|      | 21.0              | 19.5  | 124.08                 | 32.99 | 121.70 | 33.68 | 109.95 | 28.85 | 109.04 | 27.75 | 101.64 | 25.10 | 94.86 | 22.03 |
|      | 24.0              | 22.4  | 128.95                 | 33.47 | 123.21 | 31.26 | 113.79 | 27.25 | 109.04 | 25.30 | 101.64 | 22.79 | 94.86 | 20.15 |
|      | 27.0              | 25.3  | 133.81                 | 32.83 | 123.21 | 28.54 | 113.79 | 24.76 | 109.04 | 22.92 | 101.64 | 20.78 | 94.86 | 18.31 |
|      | 30.0              | 28.1  | 135.82                 | 31.49 | 123.21 | 26.07 | 113.79 | 22.51 | 109.04 | 20.76 | 104.40 | 19.47 | 94.86 | 16.64 |
|      | -30.0             | -30.5 | 58.92                  | 21.93 | 57.79  | 22.58 | 56.66  | 23.25 | 56.09  | 23.58 | 55.52  | 23.92 | 54.39 | 24.54 |
|      | -25.0             | -25.4 | 58.92                  | 22.08 | 57.79  | 22.65 | 56.66  | 23.23 | 56.09  | 23.51 | 55.52  | 23.80 | 54.39 | 24.35 |
|      | -19.8             | -20.0 | 58.92                  | 22.24 | 57.79  | 22.72 | 56.66  | 23.21 | 56.09  | 23.44 | 55.52  | 23.69 | 54.39 | 24.17 |
|      | -18.8             | -19.0 | 58.92                  | 22.22 | 57.79  | 22.72 | 56.66  | 23.16 | 56.09  | 23.42 | 55.52  | 23.63 | 54.39 | 24.10 |
|      | -16.7             | -17.0 | 58.92                  | 22.19 | 57.79  | 22.62 | 56.66  | 23.08 | 56.09  | 23.28 | 55.52  | 23.53 | 54.89 | 24.18 |
|      | -13.7             | -15.0 | 58.92                  | 22.21 | 58.28  | 22.83 | 57.27  | 23.34 | 56.76  | 23.57 | 56.25  | 23.81 | 56.09 | 24.69 |
|      | -11.8             | -13.0 | 59.69                  | 22.29 | 59.53  | 23.12 | 58.61  | 23.65 | 58.14  | 23.92 | 57.68  | 24.19 | 56.75 | 24.73 |
|      | -9.8              | -11.0 | 61.19                  | 22.70 | 60.24  | 23.22 | 59.28  | 23.73 | 58.81  | 24.00 | 58.33  | 24.23 | 57.37 | 24.76 |
|      | -9.5              | -10.0 | 61.54                  | 22.61 | 60.58  | 23.11 | 59.61  | 23.63 | 59.13  | 23.88 | 58.64  | 24.14 | 57.67 | 24.63 |
|      | -8.5              | -9.1  | 61.85                  | 22.66 | 60.87  | 23.14 | 59.90  | 23.65 | 59.41  | 23.91 | 58.91  | 24.17 | 57.93 | 24.66 |
|      | -7.0              | -7.6  | 62.34                  | 22.67 | 61.35  | 23.16 | 60.35  | 23.66 | 59.85  | 23.90 | 59.35  | 24.15 | 58.35 | 24.66 |
|      | -5.0              | -5.6  | 61.92                  | 22.30 | 60.92  | 22.77 | 59.91  | 23.24 | 59.40  | 23.48 | 58.90  | 23.72 | 57.88 | 24.21 |
|      | -3.0              | -3.7  | 64.18                  | 22.59 | 63.14  | 23.06 | 62.09  | 23.55 | 61.57  | 23.78 | 61.04  | 24.01 | 59.98 | 24.52 |
|      | 0.0               | -0.7  | 69.64                  | 23.65 | 68.51  | 24.16 | 67.37  | 24.67 | 66.80  | 24.90 | 66.23  | 25.17 | 65.09 | 25.66 |
|      | 3.0               | 2.2   | 78.12                  | 25.68 | 76.87  | 26.24 | 75.62  | 26.77 | 74.99  | 27.06 | 74.36  | 27.33 | 72.95 | 27.63 |
|      | 5.0               | 4.1   | 85.01                  | 27.34 | 83.67  | 27.95 | 82.33  | 28.55 | 81.65  | 28.85 | 80.97  | 29.16 | 78.74 | 28.24 |
|      | 7.0               | 6.0   | 96.91                  | 30.58 | 95.05  | 31.12 | 93.19  | 31.68 | 92.26  | 31.96 | 91.32  | 32.22 | 87.74 | 29.76 |
|      | 9.0               | 7.9   | 100.02                 | 30.90 | 98.09  | 31.49 | 96.17  | 32.06 | 95.21  | 32.34 | 94.25  | 31.78 | 87.74 | 28.14 |
|      | 11.0              | 9.8   | 103.12                 | 31.24 | 101.13 | 31.84 | 99.15  | 32.42 | 98.16  | 32.07 | 94.25  | 30.04 | 87.74 | 26.53 |
|      | 13.0              | 11.8  | 106.22                 | 31.56 | 104.18 | 32.17 | 102.13 | 32.24 | 98.16  | 30.23 | 94.25  | 28.28 | 87.74 | 24.90 |
|      | 15.0              | 13.7  | 109.32                 | 31.87 | 107.22 | 32.52 | 105.12 | 31.36 | 98.16  | 28.51 | 94.25  | 26.67 | 87.74 | 23.42 |
|      | 18.0              | 16.6  | 113.97                 | 32.38 | 111.78 | 32.11 | 105.12 | 28.69 | 100.66 | 26.72 | 94.25  | 24.32 | 87.74 | 21.47 |
|      | 21.0              | 19.5  | 118.62                 | 32.83 | 111.78 | 29.38 | 105.12 | 26.16 | 100.66 | 24.35 | 94.25  | 22.11 | 87.74 | 19.66 |
|      | 24.0              | 22.4  | 122.57                 | 31.03 | 111.78 | 26.79 | 105.12 | 23.76 | 100.66 | 22.15 | 94.25  | 20.26 | 87.74 | 17.87 |
|      | 27.0              | 25.3  | 122.57                 | 28.32 | 113.75 | 24.79 | 105.12 | 21.63 | 100.66 | 20.18 | 94.25  | 18.42 | 87.74 | 16.14 |
|      | 30.0              | 28.1  | 122.57                 | 25.85 | 113.75 | 22.53 | 105.13 | 19.69 | 100.66 | 18.38 | 96.42  | 17.14 | 87.74 | 14.58 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.24:28HP heating capacity(continued)

| CR   | Outdoor air temp. |       | Indoor air temp. °C DB |       |        |       |       |       |       |       |       |       |       |       |
|------|-------------------|-------|------------------------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|      |                   |       | 16.0                   |       | 18.0   |       | 20.0  |       | 21.0  |       | 22.0  |       | 24.0  |       |
|      | °C DB             | °C WB | TC                     | PI    | TC     | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    |
| 110% | -30.0             | -30.5 | 55.66                  | 21.28 | 54.59  | 21.92 | 53.52 | 22.52 | 52.98 | 22.89 | 52.45 | 23.17 | 51.38 | 23.75 |
|      | -25.0             | -25.4 | 55.66                  | 21.43 | 54.59  | 21.97 | 53.52 | 22.52 | 52.98 | 22.80 | 52.45 | 23.06 | 51.38 | 23.58 |
|      | -19.8             | -20.0 | 55.66                  | 21.57 | 54.59  | 22.01 | 53.52 | 22.51 | 52.98 | 22.72 | 52.45 | 22.95 | 51.38 | 23.42 |
|      | -18.8             | -19.0 | 55.66                  | 21.55 | 54.59  | 22.01 | 53.52 | 22.46 | 52.98 | 22.66 | 52.45 | 22.90 | 51.87 | 23.58 |
|      | -16.7             | -17.0 | 55.66                  | 21.51 | 55.07  | 22.13 | 54.12 | 22.60 | 53.64 | 22.86 | 53.16 | 23.10 | 53.03 | 23.96 |
|      | -13.7             | -15.0 | 56.40                  | 21.84 | 56.27  | 22.64 | 55.40 | 23.18 | 54.97 | 23.44 | 54.53 | 23.70 | 53.66 | 24.25 |
|      | -11.8             | -13.0 | 57.84                  | 22.23 | 56.95  | 22.71 | 56.05 | 23.24 | 55.60 | 23.50 | 55.16 | 23.76 | 54.26 | 24.28 |
|      | -9.8              | -11.0 | 58.51                  | 22.32 | 57.59  | 22.80 | 56.67 | 23.31 | 56.21 | 23.54 | 55.74 | 23.79 | 54.81 | 24.32 |
|      | -9.5              | -10.0 | 58.83                  | 22.22 | 57.89  | 22.70 | 56.96 | 23.19 | 56.49 | 23.45 | 56.02 | 23.68 | 55.08 | 24.19 |
|      | -8.5              | -9.1  | 59.10                  | 22.25 | 58.16  | 22.74 | 57.22 | 23.22 | 56.74 | 23.46 | 56.27 | 23.71 | 55.32 | 24.20 |
|      | -7.0              | -7.6  | 59.55                  | 22.27 | 58.59  | 22.75 | 57.63 | 23.22 | 57.15 | 23.48 | 56.66 | 23.71 | 55.70 | 24.20 |
|      | -5.0              | -5.6  | 59.10                  | 21.91 | 58.13  | 22.36 | 57.16 | 22.82 | 56.67 | 23.05 | 56.18 | 23.28 | 55.21 | 23.76 |
|      | -3.0              | -3.7  | 61.25                  | 22.21 | 60.25  | 22.68 | 59.24 | 23.13 | 58.73 | 23.37 | 58.22 | 23.59 | 57.21 | 24.06 |
|      | 0.0               | -0.7  | 66.45                  | 23.32 | 65.37  | 23.80 | 64.27 | 24.28 | 63.72 | 24.53 | 63.17 | 24.77 | 61.73 | 24.52 |
|      | 3.0               | 2.2   | 74.60                  | 25.37 | 73.40  | 25.91 | 72.18 | 26.46 | 71.58 | 26.72 | 70.97 | 26.98 | 68.46 | 25.03 |
|      | 5.0               | 4.1   | 81.26                  | 27.09 | 79.96  | 27.68 | 78.66 | 28.26 | 78.00 | 28.55 | 76.76 | 27.74 | 73.82 | 25.49 |
|      | 7.0               | 6.0   | 91.55                  | 29.94 | 90.60  | 30.76 | 88.99 | 31.36 | 87.86 | 30.70 | 86.26 | 29.51 | 80.27 | 26.16 |
|      | 9.0               | 7.9   | 95.19                  | 30.56 | 93.54  | 31.16 | 91.61 | 30.97 | 89.93 | 29.75 | 86.26 | 27.89 | 80.27 | 24.70 |
|      | 11.0              | 9.8   | 98.20                  | 30.95 | 96.49  | 31.58 | 93.66 | 29.95 | 92.30 | 28.85 | 86.26 | 26.34 | 80.27 | 23.22 |
|      | 13.0              | 11.8  | 101.24                 | 31.31 | 99.24  | 31.26 | 93.66 | 28.17 | 92.30 | 27.13 | 86.26 | 24.67 | 80.27 | 21.91 |
| 100% | 15.0              | 13.7  | 104.25                 | 31.70 | 101.28 | 30.13 | 93.66 | 26.59 | 92.30 | 25.53 | 86.26 | 23.21 | 80.27 | 20.72 |
|      | 18.0              | 16.6  | 107.66                 | 30.73 | 104.31 | 28.40 | 93.66 | 24.22 | 92.30 | 23.22 | 86.26 | 21.26 | 80.27 | 18.98 |
|      | 21.0              | 19.5  | 112.05                 | 29.22 | 104.31 | 25.87 | 93.66 | 22.04 | 92.30 | 21.26 | 86.26 | 19.45 | 80.27 | 17.29 |
|      | 24.0              | 22.4  | 112.31                 | 26.68 | 104.31 | 23.49 | 93.66 | 20.15 | 92.30 | 19.42 | 86.26 | 17.70 | 80.27 | 15.64 |
|      | 27.0              | 25.3  | 112.31                 | 24.22 | 104.31 | 21.39 | 93.66 | 18.32 | 92.30 | 17.61 | 86.26 | 15.99 | 80.27 | 16.42 |
|      | 30.0              | 28.1  | 112.31                 | 21.98 | 104.31 | 19.47 | 96.44 | 17.16 | 92.30 | 15.97 | 88.37 | 14.80 | 80.27 | 17.25 |
|      | -30.0             | -30.5 | 55.33                  | 21.77 | 54.26  | 22.45 | 53.20 | 23.11 | 52.67 | 23.39 | 52.14 | 23.73 | 51.07 | 24.35 |
|      | -25.0             | -25.4 | 55.33                  | 21.91 | 54.26  | 22.49 | 53.20 | 23.05 | 52.67 | 23.31 | 52.14 | 23.60 | 51.07 | 24.14 |
|      | -19.8             | -20.0 | 55.33                  | 22.06 | 54.26  | 22.53 | 53.20 | 22.99 | 52.67 | 23.22 | 52.14 | 23.47 | 51.07 | 23.93 |
|      | -18.8             | -19.0 | 55.33                  | 22.06 | 54.26  | 22.49 | 53.20 | 22.97 | 52.67 | 23.18 | 52.14 | 23.42 | 51.57 | 24.11 |
|      | -16.7             | -17.0 | 55.33                  | 21.99 | 54.74  | 22.63 | 53.79 | 23.12 | 53.32 | 23.36 | 52.84 | 23.64 | 52.72 | 24.51 |
|      | -13.7             | -15.0 | 56.06                  | 22.34 | 55.93  | 23.15 | 55.07 | 23.71 | 54.64 | 23.97 | 54.21 | 24.24 | 53.35 | 24.80 |
|      | -11.8             | -13.0 | 57.49                  | 22.76 | 56.61  | 23.27 | 55.72 | 23.81 | 55.27 | 24.06 | 54.83 | 24.31 | 53.94 | 24.87 |
|      | -9.8              | -11.0 | 58.16                  | 22.85 | 57.25  | 23.36 | 56.33 | 23.88 | 55.87 | 24.14 | 55.41 | 24.38 | 54.50 | 24.90 |
|      | -9.5              | -10.0 | 58.47                  | 22.79 | 57.55  | 23.26 | 56.62 | 23.77 | 56.16 | 24.02 | 55.69 | 24.29 | 54.76 | 24.80 |
|      | -8.5              | -9.1  | 58.75                  | 22.83 | 57.82  | 23.31 | 56.88 | 23.80 | 56.41 | 24.06 | 55.94 | 24.31 | 55.00 | 24.83 |
|      | -7.0              | -7.6  | 59.19                  | 22.86 | 58.24  | 23.34 | 57.29 | 23.83 | 56.81 | 24.08 | 56.33 | 24.34 | 55.37 | 24.84 |
|      | -5.0              | -5.6  | 58.72                  | 22.52 | 57.77  | 22.99 | 56.81 | 23.46 | 56.32 | 23.70 | 55.84 | 23.94 | 54.71 | 24.06 |
|      | -3.0              | -3.7  | 60.85                  | 22.89 | 59.85  | 23.34 | 58.85 | 23.81 | 58.35 | 24.06 | 57.85 | 24.30 | 56.25 | 23.46 |
|      | 0.0               | -0.7  | 66.01                  | 24.05 | 64.93  | 24.56 | 63.85 | 25.04 | 63.31 | 25.29 | 62.46 | 24.89 | 60.24 | 23.07 |
|      | 3.0               | 2.2   | 74.10                  | 26.23 | 72.90  | 26.78 | 71.70 | 27.31 | 70.48 | 26.34 | 69.22 | 25.38 | 66.59 | 23.39 |
|      | 5.0               | 4.1   | 80.70                  | 28.04 | 79.41  | 28.63 | 77.44 | 27.93 | 76.05 | 26.90 | 73.58 | 25.48 | 71.06 | 23.56 |
|      | 7.0               | 6.0   | 91.00                  | 31.05 | 90.01  | 31.86 | 87.50 | 29.86 | 84.09 | 28.14 | 80.27 | 26.23 | 71.06 | 22.18 |
|      | 9.0               | 7.9   | 93.91                  | 31.49 | 92.11  | 30.94 | 87.50 | 28.20 | 84.09 | 26.54 | 80.27 | 24.77 | 71.06 | 21.05 |
|      | 11.0              | 9.8   | 97.55                  | 32.16 | 92.11  | 29.21 | 87.50 | 26.60 | 84.09 | 25.00 | 80.27 | 23.31 | 71.06 | 19.92 |
|      | 13.0              | 11.8  | 99.74                  | 31.06 | 92.11  | 27.49 | 87.50 | 24.98 | 84.09 | 23.46 | 80.27 | 21.97 | 71.06 | 18.82 |
|      | 15.0              | 13.7  | 99.74                  | 29.31 | 92.11  | 25.90 | 87.50 | 23.49 | 84.09 | 22.15 | 80.27 | 20.77 | 71.06 | 17.76 |
|      | 18.0              | 16.6  | 99.74                  | 26.76 | 94.86  | 24.34 | 87.50 | 21.52 | 84.09 | 20.29 | 80.27 | 19.02 | 74.36 | 17.57 |
|      | 21.0              | 19.5  | 99.74                  | 24.38 | 94.86  | 22.15 | 87.56 | 19.69 | 84.09 | 18.55 | 80.27 | 17.33 | 74.36 | 15.32 |
|      | 24.0              | 22.4  | 99.74                  | 22.11 | 94.86  | 20.24 | 87.56 | 17.90 | 84.09 | 16.79 | 80.27 | 15.69 | 74.36 | 16.06 |
|      | 27.0              | 25.3  | 99.74                  | 20.21 | 94.86  | 18.36 | 87.56 | 16.16 | 84.09 | 15.13 | 80.27 | 16.43 | 74.36 | 14.66 |
|      | 30.0              | 28.1  | 102.24                 | 18.94 | 94.86  | 16.66 | 87.56 | 14.58 | 84.09 | 13.65 | 80.27 | 17.21 | 74.36 | 13.38 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

## V8 PRO VRF 50Hz



Table2-8.24:28HP heating capacity(continued)

| CR  | Outdoor air temp. |       | Indoor air temp. °C DB |       |       |       |       |       |       |       |       |       |       |       |
|-----|-------------------|-------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|     |                   |       | 16.0                   |       | 18.0  |       | 20.0  |       | 21.0  |       | 22.0  |       | 24.0  |       |
|     | °C DB             | °C WB | TC                     | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    |
| 90% | -30.0             | -30.5 | 49.80                  | 20.23 | 48.84 | 20.89 | 47.88 | 21.43 | 47.40 | 21.72 | 46.92 | 22.03 | 45.96 | 22.53 |
|     | -25.0             | -25.4 | 49.80                  | 20.38 | 48.84 | 20.92 | 47.88 | 21.41 | 47.40 | 21.66 | 46.92 | 21.92 | 45.96 | 22.40 |
|     | -19.8             | -20.0 | 50.30                  | 20.73 | 49.45 | 21.22 | 48.59 | 21.70 | 48.94 | 22.29 | 48.56 | 22.58 | 47.82 | 23.17 |
|     | -18.8             | -19.0 | 50.47                  | 20.78 | 50.38 | 21.60 | 49.62 | 22.13 | 49.24 | 22.40 | 48.86 | 22.66 | 48.10 | 23.24 |
|     | -16.7             | -17.0 | 51.79                  | 21.27 | 51.00 | 21.79 | 50.21 | 22.31 | 49.82 | 22.58 | 49.42 | 22.82 | 48.63 | 23.38 |
|     | -13.7             | -15.0 | 52.40                  | 21.60 | 51.59 | 22.09 | 50.77 | 22.59 | 50.36 | 22.86 | 49.96 | 23.11 | 49.14 | 23.65 |
|     | -11.8             | -13.0 | 52.97                  | 21.70 | 52.14 | 22.18 | 51.30 | 22.67 | 50.88 | 22.93 | 50.46 | 23.17 | 49.62 | 23.68 |
|     | -9.8              | -11.0 | 53.50                  | 21.80 | 52.65 | 22.27 | 51.79 | 22.74 | 51.36 | 22.99 | 50.93 | 23.23 | 50.07 | 23.73 |
|     | -9.5              | -10.0 | 53.75                  | 21.73 | 52.89 | 22.19 | 52.02 | 22.67 | 51.59 | 22.91 | 51.15 | 23.15 | 50.10 | 23.23 |
|     | -8.5              | -9.1  | 53.97                  | 21.77 | 53.10 | 22.24 | 52.22 | 22.71 | 51.78 | 22.94 | 51.34 | 23.18 | 50.09 | 22.85 |
|     | -7.0              | -7.6  | 54.32                  | 21.83 | 53.44 | 22.28 | 52.55 | 22.76 | 52.10 | 22.97 | 51.65 | 23.20 | 50.10 | 22.18 |
|     | -5.0              | -5.6  | 53.82                  | 21.50 | 52.92 | 21.95 | 52.03 | 22.38 | 51.58 | 22.61 | 50.94 | 22.36 | 49.24 | 20.92 |
|     | -3.0              | -3.7  | 55.76                  | 21.86 | 54.83 | 22.30 | 53.90 | 22.75 | 53.26 | 22.56 | 52.41 | 21.84 | 50.63 | 20.37 |
|     | 0.0               | -0.7  | 60.51                  | 23.05 | 59.51 | 23.52 | 58.09 | 22.99 | 57.17 | 22.26 | 56.21 | 21.51 | 54.21 | 19.94 |
|     | 3.0               | 2.2   | 68.04                  | 25.23 | 66.65 | 25.11 | 64.54 | 23.50 | 63.42 | 22.67 | 62.30 | 21.85 | 59.94 | 20.23 |
|     | 5.0               | 4.1   | 74.21                  | 27.06 | 72.11 | 25.73 | 69.69 | 23.97 | 68.45 | 23.10 | 66.22 | 21.89 | 63.96 | 20.49 |
|     | 7.0               | 6.0   | 84.57                  | 29.54 | 81.03 | 27.33 | 78.75 | 25.59 | 75.55 | 24.03 | 73.61 | 22.98 | 63.96 | 19.43 |
|     | 9.0               | 7.9   | 85.54                  | 28.26 | 82.90 | 26.39 | 78.75 | 24.08 | 75.55 | 22.64 | 73.61 | 21.77 | 63.96 | 18.40 |
|     | 11.0              | 9.8   | 87.82                  | 27.40 | 82.90 | 24.90 | 78.75 | 22.66 | 75.55 | 21.46 | 73.61 | 20.63 | 63.96 | 17.37 |
|     | 13.0              | 11.8  | 89.76                  | 26.32 | 82.90 | 23.32 | 78.82 | 21.43 | 75.55 | 20.24 | 73.61 | 19.43 | 63.96 | 16.39 |
|     | 15.0              | 13.7  | 91.95                  | 25.39 | 82.90 | 21.94 | 78.82 | 20.25 | 75.55 | 19.14 | 73.61 | 18.37 | 63.96 | 15.40 |
|     | 18.0              | 16.6  | 91.95                  | 23.10 | 82.90 | 20.17 | 78.82 | 18.57 | 75.55 | 17.46 | 73.61 | 17.40 | 63.96 | 15.95 |
|     | 21.0              | 19.5  | 91.95                  | 21.10 | 82.90 | 18.42 | 78.82 | 16.88 | 75.55 | 15.84 | 73.61 | 15.13 | 63.96 | 14.59 |
|     | 24.0              | 22.4  | 91.95                  | 19.27 | 82.90 | 16.71 | 78.82 | 15.23 | 75.55 | 16.52 | 73.61 | 15.86 | 63.96 | 13.30 |
|     | 27.0              | 25.3  | 91.95                  | 17.45 | 82.90 | 15.03 | 78.82 | 15.98 | 75.55 | 15.08 | 73.61 | 14.46 | 63.96 | 12.11 |
|     | 30.0              | 28.1  | 91.95                  | 15.81 | 85.46 | 13.95 | 78.82 | 16.77 | 75.55 | 13.77 | 73.61 | 13.19 | 65.76 | 11.34 |
| 80% | -30.0             | -30.5 | 44.26                  | 18.72 | 43.41 | 19.27 | 42.56 | 19.78 | 42.13 | 20.03 | 41.71 | 20.29 | 40.86 | 20.57 |
|     | -25.0             | -25.4 | 44.26                  | 18.84 | 43.84 | 19.50 | 43.10 | 20.01 | 42.73 | 20.27 | 43.01 | 20.86 | 42.24 | 21.27 |
|     | -19.8             | -20.0 | 46.48                  | 19.91 | 45.78 | 20.41 | 45.07 | 20.90 | 44.72 | 21.16 | 44.37 | 21.44 | 43.66 | 21.98 |
|     | -18.8             | -19.0 | 46.75                  | 20.02 | 46.03 | 20.50 | 45.31 | 20.99 | 44.96 | 21.26 | 44.60 | 21.51 | 43.89 | 22.04 |
|     | -16.7             | -17.0 | 47.26                  | 20.20 | 46.52 | 20.69 | 45.79 | 21.17 | 45.42 | 21.40 | 45.05 | 21.65 | 44.31 | 22.17 |
|     | -13.7             | -15.0 | 47.73                  | 20.51 | 46.97 | 20.97 | 46.22 | 21.44 | 45.84 | 21.69 | 45.46 | 21.93 | 44.53 | 22.04 |
|     | -11.8             | -13.0 | 48.17                  | 20.63 | 47.40 | 21.06 | 46.62 | 21.53 | 46.23 | 21.76 | 45.84 | 22.00 | 44.53 | 21.27 |
|     | -9.8              | -11.0 | 48.59                  | 20.70 | 47.80 | 21.16 | 47.00 | 21.60 | 46.61 | 21.83 | 46.09 | 21.78 | 44.54 | 20.50 |
|     | -9.5              | -10.0 | 48.79                  | 20.64 | 47.99 | 21.08 | 47.19 | 21.52 | 46.79 | 21.75 | 46.08 | 21.26 | 44.53 | 20.00 |
|     | -8.5              | -9.1  | 48.96                  | 20.71 | 48.15 | 21.14 | 47.34 | 21.57 | 46.84 | 21.53 | 46.08 | 20.89 | 44.54 | 19.64 |
|     | -7.0              | -7.6  | 49.24                  | 20.76 | 48.42 | 21.18 | 47.56 | 21.51 | 46.83 | 20.90 | 46.08 | 20.30 | 44.53 | 19.03 |
|     | -5.0              | -5.6  | 48.71                  | 20.44 | 47.89 | 20.85 | 46.72 | 20.30 | 46.01 | 19.72 | 45.29 | 19.13 | 43.77 | 17.90 |
|     | -3.0              | -3.7  | 50.46                  | 20.80 | 49.53 | 21.01 | 48.09 | 19.83 | 47.34 | 19.22 | 46.59 | 18.63 | 45.00 | 17.39 |
|     | 0.0               | -0.7  | 54.77                  | 21.95 | 53.23 | 20.74 | 51.63 | 19.51 | 50.81 | 18.88 | 49.97 | 18.27 | 48.19 | 17.16 |
|     | 3.0               | 2.2   | 61.04                  | 22.54 | 59.24 | 21.21 | 57.36 | 19.84 | 56.38 | 19.16 | 55.38 | 18.59 | 53.28 | 17.50 |
|     | 5.0               | 4.1   | 66.13                  | 23.07 | 64.08 | 21.66 | 61.96 | 20.22 | 60.86 | 19.62 | 58.87 | 18.75 | 56.85 | 17.71 |
|     | 7.0               | 6.0   | 75.16                  | 24.81 | 72.03 | 22.93 | 70.00 | 21.61 | 68.41 | 20.90 | 64.24 | 19.38 | 58.40 | 17.22 |
|     | 9.0               | 7.9   | 76.03                  | 23.65 | 73.68 | 22.08 | 70.00 | 20.50 | 68.41 | 19.80 | 64.24 | 18.35 | 58.40 | 16.25 |
|     | 11.0              | 9.8   | 78.06                  | 22.85 | 73.68 | 20.92 | 70.00 | 19.40 | 68.41 | 18.76 | 64.24 | 17.36 | 58.40 | 15.35 |
|     | 13.0              | 11.8  | 79.79                  | 21.90 | 73.68 | 19.72 | 70.00 | 18.30 | 68.41 | 17.61 | 64.24 | 16.31 | 58.40 | 16.01 |
|     | 15.0              | 13.7  | 79.79                  | 20.72 | 75.92 | 19.21 | 70.00 | 17.26 | 68.41 | 16.61 | 64.24 | 15.36 | 58.40 | 15.20 |
|     | 18.0              | 16.6  | 81.71                  | 19.46 | 75.92 | 17.57 | 71.38 | 16.65 | 68.41 | 15.69 | 64.24 | 15.91 | 58.40 | 14.05 |
|     | 21.0              | 19.5  | 81.71                  | 17.70 | 75.92 | 15.93 | 71.38 | 16.62 | 68.41 | 15.69 | 64.24 | 14.54 | 58.40 | 12.81 |
|     | 24.0              | 22.4  | 81.71                  | 16.02 | 75.92 | 14.33 | 71.38 | 15.17 | 68.41 | 14.32 | 64.24 | 13.27 | 58.40 | 11.71 |
|     | 27.0              | 25.3  | 81.71                  | 14.36 | 75.92 | 15.14 | 71.38 | 13.83 | 68.41 | 13.04 | 64.24 | 12.07 | 58.40 | 10.40 |
|     | 30.0              | 28.1  | 81.71                  | 12.87 | 75.92 | 15.99 | 71.38 | 12.60 | 68.41 | 11.88 | 64.24 | 10.98 | 58.40 | 9.24  |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...



Table2-8.24:28HP heating capacity(continued)

| CR  | Outdoor air temp. |       | Indoor air temp. °C DB |       |       |       |       |       |       |       |       |       |       |       |
|-----|-------------------|-------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|     |                   |       | 16.0                   |       | 18.0  |       | 20.0  |       | 21.0  |       | 22.0  |       | 24.0  |       |
|     | °C DB             | °C WB | TC                     | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    |
| 70% | -30.0             | -30.5 | 38.73                  | 17.14 | 38.38 | 17.76 | 37.74 | 18.26 | 37.98 | 18.81 | 36.96 | 18.55 | 35.75 | 17.84 |
|     | -25.0             | -25.4 | 40.65                  | 18.12 | 40.05 | 18.63 | 39.46 | 19.16 | 39.16 | 19.44 | 38.74 | 19.54 | 37.34 | 18.86 |
|     | -19.8             | -20.0 | 41.83                  | 18.79 | 41.18 | 19.26 | 40.53 | 19.75 | 40.21 | 20.00 | 39.88 | 20.23 | 38.79 | 19.83 |
|     | -18.8             | -19.0 | 42.03                  | 18.90 | 41.37 | 19.36 | 40.71 | 19.84 | 40.38 | 20.08 | 40.05 | 20.30 | 38.97 | 19.88 |
|     | -16.7             | -17.0 | 42.41                  | 19.10 | 41.74 | 19.53 | 41.06 | 20.00 | 40.72 | 20.22 | 40.33 | 20.32 | 38.96 | 19.26 |
|     | -13.7             | -15.0 | 42.78                  | 19.39 | 42.08 | 19.81 | 41.39 | 20.25 | 40.98 | 20.33 | 40.33 | 19.82 | 38.96 | 18.75 |
|     | -11.8             | -13.0 | 43.12                  | 19.48 | 42.41 | 19.90 | 41.62 | 20.12 | 40.98 | 19.62 | 40.33 | 19.11 | 38.97 | 18.04 |
|     | -9.8              | -11.0 | 43.44                  | 19.58 | 42.71 | 19.99 | 41.62 | 19.40 | 40.98 | 18.89 | 40.33 | 18.37 | 38.96 | 17.31 |
|     | -9.5              | -10.0 | 43.59                  | 19.54 | 42.86 | 19.94 | 41.62 | 18.93 | 40.98 | 18.44 | 40.32 | 17.91 | 38.97 | 16.85 |
|     | -8.5              | -9.1  | 43.72                  | 19.58 | 42.86 | 19.61 | 41.62 | 18.63 | 40.98 | 18.14 | 40.32 | 17.59 | 38.96 | 16.53 |
|     | -7.0              | -7.6  | 43.93                  | 19.63 | 42.86 | 19.06 | 41.62 | 18.07 | 40.98 | 17.55 | 40.33 | 17.04 | 38.96 | 16.06 |
|     | -5.0              | -5.6  | 43.26                  | 18.89 | 42.09 | 17.95 | 40.89 | 16.99 | 40.26 | 16.48 | 39.63 | 16.01 | 38.29 | 15.17 |
|     | -3.0              | -3.7  | 44.55                  | 18.46 | 43.33 | 17.50 | 42.08 | 16.53 | 41.43 | 16.03 | 40.77 | 15.61 | 39.38 | 14.82 |
|     | 0.0               | -0.7  | 47.93                  | 18.22 | 46.58 | 17.23 | 45.18 | 16.23 | 44.46 | 15.83 | 43.72 | 15.43 | 42.17 | 14.62 |
|     | 3.0               | 2.2   | 53.41                  | 18.61 | 51.84 | 17.50 | 50.19 | 16.64 | 49.35 | 16.24 | 48.46 | 15.80 | 46.62 | 14.92 |
|     | 5.0               | 4.1   | 57.86                  | 19.00 | 56.08 | 17.97 | 54.23 | 17.09 | 53.24 | 16.60 | 51.51 | 15.90 | 49.74 | 15.05 |
|     | 7.0               | 6.0   | 65.78                  | 20.38 | 63.02 | 19.14 | 61.25 | 18.25 | 58.76 | 17.33 | 56.19 | 16.42 | 51.12 | 16.04 |
|     | 9.0               | 7.9   | 66.52                  | 19.53 | 64.47 | 18.53 | 61.34 | 17.31 | 58.76 | 16.38 | 56.19 | 15.36 | 51.12 | 14.96 |
|     | 11.0              | 9.8   | 68.31                  | 18.99 | 66.46 | 18.09 | 61.34 | 16.32 | 58.76 | 15.46 | 56.19 | 16.13 | 51.12 | 14.12 |
|     | 13.0              | 11.8  | 69.82                  | 18.27 | 66.46 | 17.01 | 61.34 | 15.31 | 58.76 | 16.14 | 56.19 | 15.19 | 51.12 | 13.24 |
|     | 15.0              | 13.7  | 69.82                  | 17.21 | 66.46 | 16.03 | 61.34 | 16.33 | 58.76 | 15.32 | 56.19 | 14.31 | 51.12 | 12.45 |
|     | 18.0              | 16.6  | 71.56                  | 16.10 | 66.46 | 16.56 | 61.34 | 14.95 | 58.76 | 14.13 | 56.19 | 13.20 | 51.12 | 11.52 |
|     | 21.0              | 19.5  | 71.56                  | 14.53 | 66.46 | 15.15 | 61.34 | 13.64 | 58.76 | 12.89 | 56.19 | 12.20 | 51.12 | 10.52 |
|     | 24.0              | 22.4  | 71.56                  | 15.24 | 66.46 | 13.82 | 61.34 | 12.42 | 58.76 | 11.76 | 56.19 | 11.17 | 51.12 | 9.64  |
|     | 27.0              | 25.3  | 71.56                  | 13.86 | 66.46 | 12.56 | 61.34 | 11.32 | 58.76 | 10.47 | 56.19 | 9.79  | 51.12 | 8.40  |
|     | 30.0              | 28.1  | 71.56                  | 12.60 | 66.46 | 11.41 | 61.34 | 10.31 | 58.76 | 9.31  | 56.19 | 8.59  | 51.12 | 7.31  |
| 60% | -30.0             | -30.5 | 35.04                  | 16.37 | 34.55 | 16.89 | 33.57 | 16.63 | 32.92 | 16.32 | 32.32 | 16.15 | 30.90 | 15.68 |
|     | -25.0             | -25.4 | 36.01                  | 17.04 | 35.46 | 17.52 | 34.63 | 17.45 | 34.08 | 17.20 | 33.53 | 16.95 | 32.37 | 16.37 |
|     | -19.8             | -20.0 | 36.86                  | 17.67 | 36.28 | 18.10 | 35.55 | 18.22 | 35.08 | 18.02 | 34.57 | 17.69 | 33.40 | 16.85 |
|     | -18.8             | -19.0 | 37.01                  | 17.76 | 36.41 | 18.19 | 35.67 | 18.26 | 35.13 | 17.85 | 34.56 | 17.40 | 33.40 | 16.58 |
|     | -16.7             | -17.0 | 37.29                  | 17.94 | 36.68 | 18.36 | 35.67 | 17.71 | 35.13 | 17.32 | 34.56 | 16.87 | 33.40 | 16.00 |
|     | -13.7             | -15.0 | 37.55                  | 18.21 | 36.74 | 18.04 | 35.67 | 17.24 | 35.13 | 16.81 | 34.56 | 16.38 | 33.40 | 15.52 |
|     | -11.8             | -13.0 | 37.76                  | 18.18 | 36.74 | 17.41 | 35.67 | 16.59 | 35.12 | 16.16 | 34.57 | 15.75 | 33.40 | 14.99 |
|     | -9.8              | -11.0 | 37.76                  | 17.54 | 36.73 | 16.75 | 35.67 | 15.94 | 35.13 | 15.51 | 34.57 | 15.10 | 33.40 | 14.45 |
|     | -9.5              | -10.0 | 37.76                  | 17.11 | 36.73 | 16.34 | 35.68 | 15.53 | 35.13 | 15.12 | 34.57 | 14.73 | 33.40 | 14.12 |
|     | -8.5              | -9.1  | 37.76                  | 16.84 | 36.74 | 16.05 | 35.67 | 15.23 | 35.13 | 14.82 | 34.57 | 14.51 | 33.40 | 13.88 |
|     | -7.0              | -7.6  | 37.76                  | 16.32 | 36.74 | 15.54 | 35.67 | 14.72 | 35.13 | 14.44 | 34.57 | 14.12 | 33.40 | 13.47 |
|     | -5.0              | -5.6  | 37.08                  | 15.35 | 36.08 | 14.59 | 35.05 | 13.94 | 34.51 | 13.63 | 33.97 | 13.31 | 32.83 | 12.70 |
|     | -3.0              | -3.7  | 38.18                  | 14.92 | 37.14 | 14.20 | 36.06 | 13.61 | 35.52 | 13.31 | 34.94 | 13.00 | 33.76 | 12.41 |
|     | 0.0               | -0.7  | 41.08                  | 14.69 | 39.93 | 14.10 | 38.73 | 13.47 | 38.11 | 13.15 | 37.47 | 12.84 | 36.14 | 13.57 |
|     | 3.0               | 2.2   | 45.78                  | 15.12 | 44.44 | 14.48 | 43.03 | 13.79 | 42.29 | 13.44 | 41.54 | 13.09 | 39.95 | 13.80 |
|     | 5.0               | 4.1   | 49.61                  | 15.56 | 48.08 | 14.84 | 46.47 | 14.10 | 45.65 | 13.74 | 44.15 | 14.71 | 42.64 | 13.93 |
|     | 7.0               | 6.0   | 56.38                  | 16.71 | 54.02 | 15.74 | 52.50 | 15.08 | 51.20 | 15.94 | 48.34 | 14.94 | 43.82 | 12.87 |
|     | 9.0               | 7.9   | 57.02                  | 15.97 | 55.26 | 15.26 | 52.50 | 15.51 | 52.84 | 15.36 | 48.34 | 13.83 | 43.82 | 12.09 |
|     | 11.0              | 9.8   | 58.55                  | 15.49 | 56.98 | 14.85 | 52.50 | 14.61 | 52.84 | 14.50 | 48.34 | 13.01 | 43.82 | 11.33 |
|     | 13.0              | 11.8  | 59.84                  | 14.88 | 56.98 | 15.41 | 52.50 | 13.89 | 52.84 | 13.61 | 48.34 | 12.18 | 43.82 | 10.64 |
|     | 15.0              | 13.7  | 59.84                  | 15.84 | 56.98 | 14.58 | 52.50 | 13.04 | 52.84 | 12.75 | 48.34 | 11.49 | 43.82 | 10.05 |
|     | 18.0              | 16.6  | 59.84                  | 14.50 | 56.98 | 13.37 | 52.50 | 11.85 | 52.84 | 11.82 | 48.34 | 10.52 | 43.82 | 9.14  |
|     | 21.0              | 19.5  | 59.84                  | 13.24 | 56.98 | 12.32 | 52.50 | 10.92 | 52.84 | 10.80 | 48.34 | 9.76  | 43.82 | 8.30  |
|     | 24.0              | 22.4  | 59.84                  | 12.03 | 56.98 | 11.26 | 52.50 | 10.03 | 52.84 | 9.77  | 48.34 | 8.84  | 43.82 | 7.52  |
|     | 27.0              | 25.3  | 59.84                  | 10.96 | 56.98 | 9.90  | 52.50 | 8.93  | 52.84 | 8.58  | 48.34 | 7.61  | 43.82 | 6.54  |
|     | 30.0              | 28.1  | 65.04                  | 10.86 | 56.98 | 8.71  | 56.09 | 8.50  | 53.33 | 7.61  | 48.34 | 6.56  | 43.82 | 5.70  |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

# V8 PRO VRF 50Hz



Table2-8.24:28HP heating capacity(continued)

| CR  | Outdoor air temp. |       | Indoor air temp. °C DB |       |       |       |       |       |       |       |       |       |       |       |
|-----|-------------------|-------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|     |                   |       | 16.0                   |       | 18.0  |       | 20.0  |       | 21.0  |       | 22.0  |       | 24.0  |       |
|     |                   |       | TC                     | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    |
| 50% | °C DB             | °C WB | kW                     | kW    | kW    | kW    | kW    | kW    | kW    | kW    | kW    | kW    | kW    | kW    |
|     | -30.0             | -30.5 | 30.19                  | 15.08 | 29.35 | 14.84 | 28.49 | 14.59 | 28.05 | 14.43 | 27.60 | 14.31 | 26.71 | 13.98 |
|     | -25.0             | -25.4 | 30.87                  | 15.63 | 30.02 | 15.22 | 29.15 | 14.79 | 28.70 | 14.55 | 28.24 | 14.32 | 27.29 | 13.87 |
|     | -19.8             | -20.0 | 31.46                  | 16.16 | 30.61 | 15.57 | 29.73 | 14.95 | 29.28 | 14.63 | 28.81 | 14.29 | 27.83 | 13.73 |
|     | -18.8             | -19.0 | 31.46                  | 15.93 | 30.61 | 15.33 | 29.73 | 14.71 | 29.28 | 14.38 | 28.80 | 14.04 | 27.83 | 13.56 |
|     | -16.7             | -17.0 | 31.46                  | 15.45 | 30.61 | 14.83 | 29.73 | 14.20 | 29.27 | 13.86 | 28.81 | 13.62 | 27.84 | 13.19 |
|     | -13.7             | -15.0 | 31.47                  | 15.04 | 30.61 | 14.40 | 29.73 | 13.77 | 29.27 | 13.51 | 28.81 | 13.29 | 27.84 | 12.83 |
|     | -11.8             | -13.0 | 31.46                  | 14.45 | 30.61 | 13.84 | 29.73 | 13.29 | 29.27 | 13.06 | 28.81 | 12.82 | 27.83 | 12.34 |
|     | -9.8              | -11.0 | 31.46                  | 13.88 | 30.62 | 13.29 | 29.73 | 12.83 | 29.28 | 12.58 | 28.81 | 12.35 | 27.83 | 11.85 |
|     | -9.5              | -10.0 | 31.47                  | 13.53 | 30.61 | 12.98 | 29.73 | 12.52 | 29.28 | 12.29 | 28.80 | 12.04 | 27.83 | 11.56 |
|     | -8.5              | -9.1  | 31.47                  | 13.27 | 30.62 | 12.79 | 29.73 | 12.31 | 29.27 | 12.07 | 28.81 | 11.84 | 27.83 | 11.34 |
|     | -7.0              | -7.6  | 31.46                  | 12.87 | 30.62 | 12.42 | 29.73 | 11.95 | 29.28 | 11.72 | 28.81 | 11.48 | 27.83 | 12.14 |
|     | -5.0              | -5.6  | 30.89                  | 12.14 | 30.07 | 11.72 | 29.20 | 11.27 | 28.76 | 11.03 | 28.30 | 10.80 | 27.35 | 11.44 |
|     | -3.0              | -3.7  | 31.82                  | 11.87 | 30.96 | 11.45 | 30.06 | 11.01 | 29.59 | 10.76 | 29.12 | 11.70 | 28.13 | 11.15 |
|     | 0.0               | -0.7  | 34.23                  | 11.77 | 33.27 | 11.30 | 32.27 | 12.07 | 31.76 | 11.80 | 31.22 | 11.52 | 30.12 | 10.95 |
|     | 3.0               | 2.2   | 38.16                  | 12.08 | 37.02 | 12.91 | 35.85 | 12.33 | 35.25 | 12.04 | 34.62 | 11.75 | 33.29 | 11.13 |
|     | 5.0               | 4.1   | 41.34                  | 12.39 | 40.06 | 13.23 | 38.72 | 12.60 | 38.02 | 12.26 | 36.79 | 11.77 | 35.53 | 11.09 |
|     | 7.0               | 6.0   | 46.98                  | 14.58 | 45.01 | 13.55 | 43.75 | 12.79 | 40.37 | 11.61 | 40.16 | 11.34 | 35.53 | 9.77  |
|     | 9.0               | 7.9   | 47.54                  | 13.85 | 46.05 | 13.02 | 43.75 | 12.03 | 41.66 | 11.26 | 40.16 | 10.71 | 35.53 | 9.26  |
|     | 11.0              | 9.8   | 48.79                  | 13.35 | 47.48 | 12.62 | 43.75 | 11.26 | 41.66 | 10.59 | 40.16 | 10.12 | 35.53 | 8.73  |
|     | 13.0              | 11.8  | 49.87                  | 12.79 | 47.48 | 11.80 | 43.75 | 10.57 | 42.01 | 10.04 | 40.18 | 9.49  | 36.59 | 8.43  |
|     | 15.0              | 13.7  | 49.87                  | 12.16 | 47.48 | 11.19 | 43.75 | 9.99  | 42.01 | 9.44  | 40.18 | 8.90  | 36.59 | 7.87  |
|     | 18.0              | 16.6  | 49.87                  | 11.10 | 47.48 | 10.19 | 43.75 | 9.07  | 42.01 | 8.60  | 40.18 | 8.06  | 36.59 | 7.07  |
|     | 21.0              | 19.5  | 49.87                  | 10.10 | 47.82 | 9.64  | 43.75 | 8.20  | 42.01 | 7.72  | 40.18 | 7.22  | 36.59 | 6.41  |
|     | 24.0              | 22.4  | 49.87                  | 9.24  | 47.82 | 8.60  | 43.75 | 7.45  | 42.01 | 6.93  | 40.18 | 6.57  | 36.59 | 5.87  |
|     | 27.0              | 25.3  | 49.87                  | 8.03  | 47.82 | 7.39  | 43.86 | 6.50  | 42.01 | 6.14  | 40.18 | 5.85  | 36.59 | 5.22  |
|     | 30.0              | 28.1  | 49.87                  | 6.97  | 47.82 | 6.34  | 43.86 | 5.66  | 42.01 | 5.45  | 40.18 | 5.20  | 36.59 | 4.64  |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table2-8.25:30HP heating capacity

| CR   | Outdoor air temp. |       | Indoor air temp. °C DB |       |        |       |        |       |        |       |        |       |        |       |
|------|-------------------|-------|------------------------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|
|      |                   |       | 16.0                   |       | 18.0   |       | 20.0   |       | 21.0   |       | 22.0   |       | 24.0   |       |
|      | °C DB             | °C WB | TC                     | PI    | TC     | PI    | TC     | PI    | TC     | PI    | TC     | PI    | TC     | PI    |
| 130% | -30.0             | -30.5 | 66.92                  | 25.51 | 65.63  | 26.25 | 64.34  | 27.01 | 63.70  | 27.45 | 63.06  | 27.80 | 61.77  | 28.43 |
|      | -25.0             | -25.4 | 66.92                  | 25.67 | 65.63  | 26.33 | 64.34  | 26.99 | 63.70  | 27.33 | 63.06  | 27.64 | 61.77  | 28.23 |
|      | -19.8             | -20.0 | 66.92                  | 25.84 | 65.63  | 26.40 | 64.34  | 26.97 | 63.70  | 27.22 | 63.06  | 27.47 | 61.77  | 28.02 |
|      | -18.8             | -19.0 | 66.92                  | 25.85 | 65.63  | 26.36 | 64.34  | 26.92 | 63.70  | 27.18 | 63.06  | 27.43 | 61.77  | 27.92 |
|      | -16.7             | -17.0 | 66.92                  | 25.74 | 65.63  | 26.26 | 64.34  | 26.77 | 63.70  | 27.01 | 63.06  | 27.28 | 62.39  | 28.04 |
|      | -13.7             | -15.0 | 66.92                  | 25.79 | 66.23  | 26.52 | 65.09  | 27.09 | 64.51  | 27.36 | 63.94  | 27.65 | 63.81  | 28.64 |
|      | -11.8             | -13.0 | 67.82                  | 25.92 | 67.69  | 26.89 | 66.65  | 27.49 | 66.12  | 27.78 | 65.60  | 28.08 | 64.55  | 28.69 |
|      | -9.8              | -11.0 | 69.57                  | 26.37 | 68.49  | 26.95 | 67.42  | 27.54 | 66.88  | 27.84 | 66.34  | 28.14 | 65.26  | 28.72 |
|      | -9.5              | -10.0 | 69.96                  | 26.27 | 68.88  | 26.85 | 67.79  | 27.43 | 67.24  | 27.71 | 66.69  | 28.01 | 65.59  | 28.59 |
|      | -8.5              | -9.1  | 70.31                  | 26.30 | 69.22  | 26.87 | 68.11  | 27.45 | 67.56  | 27.73 | 67.00  | 28.01 | 65.89  | 28.60 |
|      | -7.0              | -7.6  | 70.87                  | 26.30 | 69.75  | 26.88 | 68.63  | 27.44 | 68.06  | 27.73 | 67.50  | 28.02 | 66.36  | 28.58 |
|      | -5.0              | -5.6  | 70.39                  | 25.87 | 69.26  | 26.41 | 68.12  | 26.95 | 67.55  | 27.24 | 66.98  | 27.50 | 65.83  | 28.03 |
|      | -3.0              | -3.7  | 72.97                  | 26.18 | 71.79  | 26.73 | 70.60  | 27.28 | 70.01  | 27.56 | 69.41  | 27.83 | 68.22  | 28.39 |
|      | 0.0               | -0.7  | 79.18                  | 27.38 | 77.90  | 27.96 | 76.62  | 28.54 | 75.97  | 28.83 | 75.33  | 29.13 | 74.03  | 29.70 |
|      | 3.0               | 2.2   | 88.86                  | 29.67 | 87.45  | 30.32 | 86.03  | 30.95 | 85.32  | 31.28 | 84.60  | 31.60 | 83.16  | 32.22 |
|      | 5.0               | 4.1   | 96.72                  | 31.61 | 95.21  | 32.29 | 93.69  | 33.00 | 92.93  | 33.32 | 92.16  | 33.68 | 90.19  | 33.62 |
|      | 7.0               | 6.0   | 110.06                 | 35.20 | 107.95 | 35.84 | 105.83 | 36.49 | 104.77 | 36.80 | 104.51 | 37.40 | 101.60 | 35.92 |
|      | 9.0               | 7.9   | 113.59                 | 35.56 | 111.40 | 36.25 | 109.22 | 36.89 | 108.12 | 37.23 | 107.90 | 37.82 | 101.60 | 34.04 |
|      | 11.0              | 9.8   | 117.11                 | 35.93 | 114.86 | 36.61 | 112.60 | 37.29 | 112.34 | 37.91 | 110.35 | 36.64 | 101.60 | 32.20 |
|      | 13.0              | 11.8  | 120.63                 | 36.26 | 118.31 | 36.94 | 116.87 | 37.93 | 114.83 | 36.83 | 113.23 | 35.51 | 102.95 | 30.74 |
|      | 15.0              | 13.7  | 124.15                 | 36.59 | 121.76 | 37.33 | 119.38 | 37.09 | 118.18 | 35.89 | 113.23 | 33.56 | 102.95 | 29.02 |
|      | 18.0              | 16.6  | 129.43                 | 37.09 | 126.95 | 37.84 | 119.38 | 34.09 | 118.18 | 32.91 | 113.23 | 30.75 | 102.95 | 26.45 |
|      | 21.0              | 19.5  | 134.72                 | 37.60 | 132.13 | 36.30 | 119.38 | 31.21 | 118.18 | 30.11 | 113.23 | 28.10 | 102.95 | 24.08 |
|      | 24.0              | 22.4  | 140.00                 | 36.97 | 133.79 | 33.66 | 119.38 | 28.51 | 118.18 | 27.45 | 113.23 | 25.56 | 102.95 | 22.04 |
|      | 27.0              | 25.3  | 140.00                 | 33.85 | 133.79 | 30.69 | 119.38 | 25.95 | 118.18 | 24.96 | 113.23 | 23.25 | 102.95 | 20.06 |
|      | 30.0              | 28.1  | 140.00                 | 30.99 | 133.79 | 27.99 | 123.52 | 24.44 | 118.18 | 22.70 | 113.23 | 21.15 | 102.95 | 18.26 |
| 120% | -30.0             | -30.5 | 63.97                  | 24.95 | 62.74  | 25.75 | 61.51  | 26.49 | 60.90  | 26.83 | 60.28  | 27.13 | 59.05  | 27.84 |
|      | -25.0             | -25.4 | 63.97                  | 25.13 | 62.74  | 25.79 | 61.51  | 26.43 | 60.90  | 26.72 | 60.28  | 27.00 | 59.05  | 27.61 |
|      | -19.8             | -20.0 | 63.97                  | 25.31 | 62.74  | 25.82 | 61.51  | 26.37 | 60.90  | 26.61 | 60.28  | 26.88 | 59.05  | 27.38 |
|      | -18.8             | -19.0 | 63.97                  | 25.28 | 62.74  | 25.80 | 61.51  | 26.31 | 60.90  | 26.55 | 60.28  | 26.81 | 59.58  | 27.56 |
|      | -16.7             | -17.0 | 63.97                  | 25.21 | 63.23  | 25.90 | 62.14  | 26.46 | 61.60  | 26.76 | 61.05  | 27.03 | 60.87  | 27.98 |
|      | -13.7             | -15.0 | 64.76                  | 25.55 | 63.65  | 26.09 | 63.58  | 27.09 | 63.08  | 27.38 | 62.59  | 27.69 | 61.60  | 28.32 |
|      | -11.8             | -13.0 | 66.36                  | 26.00 | 65.35  | 26.59 | 64.33  | 27.16 | 63.82  | 27.46 | 63.31  | 27.76 | 62.29  | 28.35 |
|      | -9.8              | -11.0 | 67.14                  | 26.07 | 66.09  | 26.64 | 65.04  | 27.23 | 64.52  | 27.50 | 63.99  | 27.79 | 62.94  | 28.38 |
|      | -9.5              | -10.0 | 67.51                  | 25.96 | 66.45  | 26.53 | 65.39  | 27.09 | 64.85  | 27.38 | 64.32  | 27.66 | 63.25  | 28.24 |
|      | -8.5              | -9.1  | 67.83                  | 25.99 | 66.76  | 26.56 | 65.68  | 27.12 | 65.15  | 27.40 | 64.60  | 27.69 | 63.52  | 28.26 |
|      | -7.0              | -7.6  | 68.35                  | 26.03 | 67.26  | 26.57 | 66.16  | 27.12 | 65.61  | 27.40 | 65.06  | 27.68 | 63.96  | 28.23 |
|      | -5.0              | -5.6  | 67.84                  | 25.57 | 66.74  | 26.09 | 65.63  | 26.63 | 65.08  | 26.89 | 64.52  | 27.16 | 63.41  | 27.71 |
|      | -3.0              | -3.7  | 70.32                  | 25.91 | 69.17  | 26.45 | 68.02  | 26.97 | 67.44  | 27.25 | 66.86  | 27.52 | 65.71  | 28.05 |
|      | 0.0               | -0.7  | 76.31                  | 27.14 | 75.07  | 27.71 | 73.83  | 28.27 | 73.20  | 28.55 | 72.58  | 28.83 | 71.32  | 29.38 |
|      | 3.0               | 2.2   | 85.67                  | 29.51 | 84.30  | 30.13 | 82.92  | 30.75 | 82.23  | 31.05 | 81.54  | 31.36 | 79.21  | 30.23 |
|      | 5.0               | 4.1   | 93.32                  | 31.47 | 91.84  | 32.15 | 90.36  | 32.83 | 89.61  | 33.14 | 88.85  | 33.45 | 85.49  | 30.93 |
|      | 7.0               | 6.0   | 105.22                 | 34.78 | 104.09 | 35.71 | 102.26 | 36.39 | 101.35 | 36.75 | 99.91  | 35.70 | 95.07  | 32.58 |
|      | 9.0               | 7.9   | 108.59                 | 35.18 | 107.48 | 36.16 | 105.59 | 36.86 | 104.20 | 36.00 | 102.32 | 34.63 | 95.07  | 30.81 |
|      | 11.0              | 9.8   | 112.84                 | 35.85 | 110.88 | 36.59 | 108.55 | 36.24 | 106.57 | 34.88 | 102.32 | 32.78 | 95.07  | 29.08 |
|      | 13.0              | 11.8  | 116.33                 | 36.24 | 114.32 | 37.00 | 110.89 | 34.98 | 109.29 | 33.72 | 102.32 | 30.86 | 95.07  | 27.33 |
|      | 15.0              | 13.7  | 119.80                 | 36.67 | 117.40 | 36.51 | 114.13 | 34.06 | 109.29 | 31.87 | 102.32 | 29.15 | 95.07  | 25.74 |
|      | 18.0              | 16.6  | 125.02                 | 37.26 | 121.36 | 34.67 | 114.13 | 31.18 | 109.29 | 29.15 | 102.32 | 26.62 | 95.07  | 23.52 |
|      | 21.0              | 19.5  | 128.79                 | 35.24 | 123.51 | 32.32 | 114.13 | 28.48 | 109.29 | 26.60 | 102.32 | 24.23 | 95.07  | 21.55 |
|      | 24.0              | 22.4  | 128.79                 | 32.26 | 123.51 | 29.52 | 114.13 | 25.92 | 109.29 | 24.14 | 102.32 | 22.14 | 95.07  | 19.65 |
|      | 27.0              | 25.3  | 133.05                 | 30.44 | 123.51 | 26.84 | 114.13 | 23.56 | 109.29 | 22.04 | 104.60 | 20.63 | 95.07  | 17.77 |
|      | 30.0              | 28.1  | 133.05                 | 27.80 | 123.51 | 24.41 | 114.19 | 21.43 | 109.29 | 20.12 | 104.60 | 18.80 | 95.07  | 16.06 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

## V8 PRO VRF 50Hz



Table2-8.25:30HP heating capacity(continued)

| CR   | Outdoor air temp. |       | Indoor air temp. °C DB |       |        |       |        |       |        |       |       |       |       |       |
|------|-------------------|-------|------------------------|-------|--------|-------|--------|-------|--------|-------|-------|-------|-------|-------|
|      |                   |       | 16.0                   |       | 18.0   |       | 20.0   |       | 21.0   |       | 22.0  |       | 24.0  |       |
|      | °C DB             | °C WB | TC                     | PI    | TC     | PI    | TC     | PI    | TC     | PI    | TC    | PI    | TC    | PI    |
| 110% | -30.0             | -30.5 | 60.43                  | 24.25 | 59.27  | 24.89 | 58.11  | 25.65 | 57.53  | 25.94 | 56.94 | 26.30 | 55.78 | 26.94 |
|      | -25.0             | -25.4 | 60.43                  | 24.38 | 59.27  | 24.96 | 58.11  | 25.59 | 57.53  | 25.86 | 56.94 | 26.17 | 55.78 | 26.74 |
|      | -19.8             | -20.0 | 60.43                  | 24.51 | 59.27  | 25.03 | 58.11  | 25.53 | 58.02  | 26.00 | 57.51 | 26.30 | 56.49 | 26.88 |
|      | -18.8             | -19.0 | 60.43                  | 24.48 | 59.75  | 25.19 | 58.73  | 25.75 | 58.21  | 26.02 | 57.70 | 26.32 | 57.57 | 27.31 |
|      | -16.7             | -17.0 | 61.19                  | 24.75 | 60.15  | 25.27 | 60.11  | 26.25 | 59.65  | 26.55 | 59.18 | 26.85 | 58.26 | 27.47 |
|      | -13.7             | -15.0 | 62.74                  | 25.40 | 61.78  | 25.99 | 60.83  | 26.57 | 60.35  | 26.88 | 59.87 | 27.17 | 58.91 | 27.79 |
|      | -11.8             | -13.0 | 63.47                  | 25.52 | 62.50  | 26.08 | 61.51  | 26.65 | 61.02  | 26.95 | 60.52 | 27.23 | 59.53 | 27.80 |
|      | -9.8              | -11.0 | 64.17                  | 25.61 | 63.16  | 26.15 | 62.15  | 26.71 | 61.64  | 26.98 | 61.13 | 27.25 | 60.11 | 27.84 |
|      | -9.5              | -10.0 | 64.50                  | 25.50 | 63.48  | 26.04 | 62.46  | 26.59 | 61.94  | 26.86 | 61.43 | 27.14 | 60.40 | 27.69 |
|      | -8.5              | -9.1  | 64.80                  | 25.53 | 63.76  | 26.07 | 62.72  | 26.61 | 62.20  | 26.89 | 61.68 | 27.16 | 60.64 | 27.71 |
|      | -7.0              | -7.6  | 65.26                  | 25.55 | 64.21  | 26.07 | 63.15  | 26.62 | 62.62  | 26.88 | 62.09 | 27.15 | 61.03 | 27.69 |
|      | -5.0              | -5.6  | 64.72                  | 25.11 | 63.66  | 25.62 | 62.60  | 26.14 | 62.06  | 26.39 | 61.53 | 26.66 | 60.46 | 27.18 |
|      | -3.0              | -3.7  | 67.07                  | 25.49 | 65.97  | 25.99 | 64.86  | 26.51 | 64.31  | 26.79 | 63.75 | 27.02 | 62.47 | 27.17 |
|      | 0.0               | -0.7  | 72.78                  | 26.76 | 71.59  | 27.30 | 70.39  | 27.86 | 69.79  | 28.13 | 69.19 | 28.40 | 67.01 | 26.88 |
|      | 3.0               | 2.2   | 81.79                  | 29.16 | 80.46  | 29.76 | 79.13  | 30.36 | 78.45  | 30.63 | 77.11 | 29.58 | 74.31 | 27.49 |
|      | 5.0               | 4.1   | 89.15                  | 31.18 | 87.73  | 31.83 | 86.30  | 32.47 | 84.86  | 31.45 | 83.34 | 30.31 | 80.15 | 28.04 |
|      | 7.0               | 6.0   | 100.72                 | 34.54 | 100.48 | 35.76 | 96.79  | 34.63 | 95.40  | 33.54 | 93.66 | 32.29 | 87.11 | 28.80 |
|      | 9.0               | 7.9   | 104.00                 | 35.01 | 103.80 | 36.27 | 99.46  | 33.71 | 97.64  | 32.47 | 93.66 | 30.50 | 87.11 | 27.18 |
|      | 11.0              | 9.8   | 107.29                 | 35.46 | 105.02 | 34.97 | 101.69 | 32.62 | 100.18 | 31.49 | 95.84 | 29.51 | 87.11 | 25.63 |
|      | 13.0              | 11.8  | 112.28                 | 36.44 | 107.73 | 33.86 | 101.69 | 30.74 | 100.18 | 29.64 | 95.84 | 27.75 | 87.11 | 24.06 |
| 100% | 15.0              | 13.7  | 113.46                 | 35.03 | 109.96 | 32.68 | 104.56 | 29.84 | 100.18 | 27.94 | 95.84 | 26.14 | 87.11 | 22.77 |
|      | 18.0              | 16.6  | 116.89                 | 33.14 | 109.96 | 29.91 | 104.56 | 27.27 | 100.18 | 25.50 | 95.84 | 23.80 | 87.11 | 20.88 |
|      | 21.0              | 19.5  | 121.66                 | 31.58 | 109.96 | 27.34 | 104.56 | 24.79 | 100.18 | 23.24 | 95.84 | 21.84 | 87.11 | 19.06 |
|      | 24.0              | 22.4  | 121.66                 | 28.80 | 109.96 | 24.84 | 104.56 | 22.62 | 100.18 | 21.24 | 95.84 | 19.90 | 87.11 | 17.26 |
|      | 27.0              | 25.3  | 121.66                 | 26.20 | 109.96 | 22.59 | 104.56 | 20.59 | 100.18 | 19.29 | 95.84 | 18.03 | 87.11 | 15.49 |
|      | 30.0              | 28.1  | 121.66                 | 23.83 | 113.28 | 21.17 | 104.56 | 18.74 | 100.18 | 17.51 | 95.84 | 16.33 | 87.11 | 13.90 |
|      | -30.0             | -30.5 | 60.07                  | 24.77 | 58.92  | 25.44 | 57.76  | 26.16 | 57.18  | 26.52 | 56.60 | 26.87 | 55.45 | 27.58 |
|      | -25.0             | -25.4 | 60.07                  | 24.91 | 58.92  | 25.51 | 57.76  | 26.13 | 57.18  | 26.44 | 56.60 | 26.74 | 55.45 | 27.35 |
|      | -19.8             | -20.0 | 60.07                  | 25.06 | 58.92  | 25.59 | 57.76  | 26.10 | 57.68  | 26.60 | 57.18 | 26.88 | 56.17 | 27.47 |
|      | -18.8             | -19.0 | 60.07                  | 25.05 | 59.40  | 25.76 | 58.38  | 26.32 | 57.88  | 26.63 | 57.36 | 26.91 | 57.25 | 27.93 |
|      | -16.7             | -17.0 | 60.83                  | 25.31 | 59.80  | 25.85 | 59.77  | 26.84 | 59.31  | 27.16 | 58.85 | 27.48 | 57.94 | 28.12 |
|      | -13.7             | -15.0 | 62.37                  | 26.02 | 61.43  | 26.60 | 60.48  | 27.19 | 60.01  | 27.53 | 59.54 | 27.83 | 58.59 | 28.45 |
|      | -11.8             | -13.0 | 63.10                  | 26.13 | 62.14  | 26.71 | 61.16  | 27.30 | 60.67  | 27.58 | 60.18 | 27.87 | 59.20 | 28.50 |
|      | -9.8              | -11.0 | 63.80                  | 26.22 | 62.80  | 26.79 | 61.80  | 27.37 | 61.29  | 27.66 | 60.79 | 27.95 | 59.78 | 28.53 |
|      | -9.5              | -10.0 | 64.13                  | 26.15 | 63.12  | 26.69 | 62.10  | 27.25 | 61.59  | 27.55 | 61.08 | 27.83 | 60.06 | 28.40 |
|      | -8.5              | -9.1  | 64.42                  | 26.19 | 63.39  | 26.75 | 62.37  | 27.30 | 61.85  | 27.58 | 61.34 | 27.86 | 60.30 | 28.43 |
|      | -7.0              | -7.6  | 64.87                  | 26.24 | 63.82  | 26.78 | 62.78  | 27.33 | 62.25  | 27.60 | 61.73 | 27.87 | 60.43 | 27.92 |
|      | -5.0              | -5.6  | 64.32                  | 25.85 | 63.27  | 26.38 | 62.21  | 26.89 | 61.68  | 27.16 | 61.15 | 27.42 | 59.40 | 26.42 |
|      | -3.0              | -3.7  | 66.64                  | 26.25 | 65.55  | 26.77 | 64.45  | 27.31 | 63.90  | 27.59 | 63.21 | 27.53 | 61.06 | 25.79 |
|      | 0.0               | -0.7  | 72.32                  | 27.62 | 71.14  | 28.17 | 69.95  | 28.73 | 68.96  | 28.16 | 67.81 | 27.25 | 65.40 | 25.41 |
|      | 3.0               | 2.2   | 81.26                  | 30.15 | 79.94  | 30.77 | 77.85  | 29.80 | 76.52  | 28.84 | 75.15 | 27.83 | 72.30 | 25.82 |
|      | 5.0               | 4.1   | 88.57                  | 32.27 | 86.97  | 32.58 | 84.08  | 30.51 | 82.57  | 29.47 | 79.89 | 28.00 | 77.16 | 26.04 |
|      | 7.0               | 6.0   | 100.08                 | 35.81 | 97.75  | 34.74 | 95.00  | 32.65 | 91.07  | 30.75 | 87.18 | 28.88 | 77.16 | 24.52 |
|      | 9.0               | 7.9   | 103.18                 | 35.86 | 100.00 | 33.67 | 95.00  | 30.86 | 91.07  | 29.05 | 87.18 | 27.26 | 79.23 | 23.78 |
|      | 11.0              | 9.8   | 105.93                 | 34.87 | 100.00 | 31.83 | 95.01  | 29.17 | 91.07  | 27.42 | 87.18 | 25.68 | 79.23 | 22.55 |
|      | 13.0              | 11.8  | 108.28                 | 33.66 | 100.00 | 29.97 | 95.01  | 27.41 | 91.07  | 25.75 | 87.18 | 24.12 | 79.23 | 21.31 |
|      | 15.0              | 13.7  | 110.86                 | 32.56 | 100.00 | 28.30 | 95.01  | 25.81 | 91.07  | 24.22 | 87.18 | 22.79 | 79.23 | 20.12 |
|      | 18.0              | 16.6  | 110.86                 | 29.78 | 102.95 | 26.60 | 95.01  | 23.52 | 91.07  | 22.21 | 87.18 | 20.91 | 79.23 | 18.40 |
|      | 21.0              | 19.5  | 110.86                 | 27.16 | 102.95 | 24.17 | 95.01  | 21.56 | 91.07  | 20.30 | 87.18 | 19.09 | 79.23 | 16.66 |
|      | 24.0              | 22.4  | 110.86                 | 24.67 | 102.95 | 22.07 | 95.01  | 19.60 | 91.07  | 18.46 | 87.18 | 17.29 | 79.23 | 15.08 |
|      | 27.0              | 25.3  | 110.86                 | 22.44 | 102.95 | 20.04 | 95.01  | 17.75 | 91.07  | 16.60 | 87.18 | 15.53 | 79.23 | 16.02 |
|      | 30.0              | 28.1  | 110.86                 | 20.42 | 102.95 | 18.19 | 95.01  | 16.08 | 91.07  | 14.94 | 87.18 | 13.94 | 79.23 | 17.03 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.25:30HP heating capacity(continued)

| CR  | Outdoor air temp. |       | Indoor air temp. °C DB |       |       |       |       |       |       |       |       |       |       |       |
|-----|-------------------|-------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|     |                   |       | 16.0                   |       | 18.0  |       | 20.0  |       | 21.0  |       | 22.0  |       | 24.0  |       |
|     | °C DB             | °C WB | TC                     | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    |
| 90% | -30.0             | -30.5 | 54.06                  | 22.99 | 53.02 | 23.71 | 51.98 | 24.29 | 51.46 | 24.58 | 50.94 | 24.92 | 49.90 | 24.58 |
|     | -25.0             | -25.4 | 54.06                  | 23.16 | 53.02 | 23.75 | 51.98 | 24.27 | 51.46 | 24.54 | 50.94 | 24.83 | 49.90 | 24.82 |
|     | -19.8             | -20.0 | 55.82                  | 24.08 | 55.01 | 24.67 | 54.18 | 25.27 | 53.77 | 25.59 | 53.36 | 25.92 | 52.38 | 26.30 |
|     | -18.8             | -19.0 | 56.17                  | 24.20 | 55.34 | 24.79 | 54.50 | 25.39 | 54.08 | 25.70 | 53.67 | 25.99 | 52.79 | 26.55 |
|     | -16.7             | -17.0 | 56.85                  | 24.43 | 55.99 | 25.01 | 55.12 | 25.59 | 54.69 | 25.88 | 54.26 | 26.17 | 53.39 | 26.77 |
|     | -13.7             | -15.0 | 57.49                  | 24.81 | 56.60 | 25.36 | 55.70 | 25.92 | 55.26 | 26.21 | 54.81 | 26.49 | 53.91 | 27.08 |
|     | -11.8             | -13.0 | 58.08                  | 24.92 | 57.17 | 25.45 | 56.25 | 26.00 | 55.79 | 26.26 | 55.33 | 26.56 | 54.39 | 27.07 |
|     | -9.8              | -11.0 | 58.63                  | 25.02 | 57.69 | 25.53 | 56.75 | 26.08 | 56.28 | 26.35 | 55.81 | 26.62 | 54.39 | 26.16 |
|     | -9.5              | -10.0 | 58.89                  | 24.94 | 57.94 | 25.45 | 56.99 | 25.98 | 56.52 | 26.25 | 56.04 | 26.52 | 54.39 | 25.57 |
|     | -8.5              | -9.1  | 59.12                  | 24.99 | 58.16 | 25.52 | 57.20 | 26.03 | 56.72 | 26.28 | 56.24 | 26.56 | 54.39 | 25.16 |
|     | -7.0              | -7.6  | 59.48                  | 25.05 | 58.51 | 25.55 | 57.54 | 26.05 | 57.05 | 26.33 | 56.29 | 25.97 | 54.39 | 24.46 |
|     | -5.0              | -5.6  | 58.90                  | 24.66 | 57.92 | 25.14 | 56.94 | 25.64 | 56.19 | 25.27 | 55.31 | 24.56 | 53.46 | 23.08 |
|     | -3.0              | -3.7  | 61.02                  | 25.07 | 60.00 | 25.57 | 58.73 | 25.46 | 57.82 | 24.72 | 56.90 | 24.01 | 54.96 | 22.50 |
|     | 0.0               | -0.7  | 66.25                  | 26.46 | 65.02 | 26.68 | 63.07 | 25.19 | 62.06 | 24.41 | 61.02 | 23.65 | 58.86 | 22.08 |
|     | 3.0               | 2.2   | 74.54                  | 29.00 | 72.36 | 27.42 | 70.05 | 25.78 | 68.87 | 24.95 | 67.63 | 24.09 | 65.06 | 22.36 |
|     | 5.0               | 4.1   | 80.77                  | 29.86 | 78.28 | 28.10 | 75.66 | 26.32 | 74.32 | 25.44 | 71.91 | 24.20 | 69.44 | 22.58 |
|     | 7.0               | 6.0   | 91.80                  | 32.12 | 87.98 | 29.90 | 85.50 | 28.08 | 81.97 | 26.48 | 78.44 | 24.88 | 69.44 | 21.45 |
|     | 9.0               | 7.9   | 92.87                  | 30.78 | 90.00 | 28.90 | 85.57 | 26.55 | 81.97 | 24.95 | 78.44 | 23.50 | 69.44 | 20.32 |
|     | 11.0              | 9.8   | 95.34                  | 29.85 | 90.00 | 27.27 | 85.57 | 25.01 | 81.97 | 23.52 | 78.44 | 22.25 | 69.44 | 19.23 |
|     | 13.0              | 11.8  | 97.46                  | 28.71 | 90.00 | 25.61 | 85.57 | 23.52 | 81.97 | 22.25 | 78.44 | 21.00 | 69.44 | 18.14 |
| 80% | 15.0              | 13.7  | 100.30                 | 27.84 | 90.00 | 24.13 | 85.57 | 22.25 | 81.97 | 21.06 | 78.44 | 19.85 | 69.44 | 17.05 |
|     | 18.0              | 16.6  | 100.34                 | 25.59 | 90.00 | 22.05 | 85.57 | 20.36 | 81.97 | 19.21 | 78.44 | 18.14 | 72.64 | 16.80 |
|     | 21.0              | 19.5  | 100.34                 | 23.15 | 90.00 | 20.18 | 85.57 | 18.57 | 81.97 | 17.48 | 78.44 | 16.42 | 72.64 | 17.01 |
|     | 24.0              | 22.4  | 100.34                 | 21.10 | 92.71 | 18.90 | 85.57 | 16.78 | 81.97 | 15.76 | 78.44 | 17.29 | 72.64 | 15.55 |
|     | 27.0              | 25.3  | 100.34                 | 19.17 | 92.71 | 17.00 | 85.57 | 15.02 | 81.97 | 16.75 | 78.44 | 15.78 | 72.64 | 14.16 |
|     | 30.0              | 28.1  | 100.34                 | 17.42 | 92.71 | 15.29 | 85.57 | 13.45 | 81.97 | 17.79 | 78.44 | 14.40 | 72.64 | 12.90 |
|     | -30.0             | -30.5 | 48.06                  | 21.24 | 47.13 | 21.88 | 46.21 | 22.36 | 45.75 | 22.70 | 45.28 | 22.35 | 44.36 | 22.22 |
|     | -25.0             | -25.4 | 48.72                  | 21.67 | 48.68 | 22.63 | 47.98 | 23.25 | 47.64 | 23.60 | 46.83 | 23.32 | 44.76 | 22.53 |
|     | -19.8             | -20.0 | 51.01                  | 22.85 | 50.24 | 23.40 | 49.46 | 23.99 | 49.08 | 24.29 | 48.62 | 24.43 | 47.14 | 23.85 |
|     | -18.8             | -19.0 | 51.29                  | 22.97 | 50.51 | 23.52 | 49.72 | 24.06 | 49.33 | 24.36 | 48.93 | 24.64 | 47.48 | 24.08 |
|     | -16.7             | -17.0 | 51.81                  | 23.18 | 51.00 | 23.71 | 50.20 | 24.26 | 49.79 | 24.54 | 49.39 | 24.81 | 48.15 | 24.53 |
|     | -13.7             | -15.0 | 52.30                  | 23.53 | 51.47 | 24.06 | 50.64 | 24.58 | 50.23 | 24.85 | 49.81 | 25.13 | 48.35 | 24.32 |
|     | -11.8             | -13.0 | 52.77                  | 23.65 | 51.92 | 24.15 | 51.06 | 24.68 | 50.64 | 24.93 | 50.03 | 24.78 | 48.34 | 23.46 |
|     | -9.8              | -11.0 | 53.20                  | 23.76 | 52.33 | 24.26 | 51.46 | 24.75 | 50.85 | 24.56 | 50.04 | 23.95 | 48.34 | 22.63 |
|     | -9.5              | -10.0 | 53.41                  | 23.67 | 52.53 | 24.18 | 51.64 | 24.65 | 50.85 | 24.03 | 50.04 | 23.39 | 48.35 | 22.10 |
|     | -8.5              | -9.1  | 53.59                  | 23.74 | 52.70 | 24.21 | 51.64 | 24.26 | 50.84 | 23.64 | 50.04 | 23.03 | 48.35 | 21.72 |
|     | -7.0              | -7.6  | 53.88                  | 23.80 | 52.98 | 24.28 | 51.64 | 23.59 | 50.85 | 22.98 | 50.04 | 22.36 | 48.34 | 21.04 |
|     | -5.0              | -5.6  | 53.27                  | 23.45 | 52.22 | 23.48 | 50.72 | 22.29 | 49.95 | 21.71 | 49.16 | 21.08 | 47.52 | 19.83 |
|     | -3.0              | -3.7  | 55.18                  | 23.87 | 53.76 | 22.97 | 52.21 | 21.80 | 51.40 | 21.17 | 50.58 | 20.56 | 48.85 | 19.28 |
|     | 0.0               | -0.7  | 59.46                  | 23.97 | 57.80 | 22.76 | 56.06 | 21.49 | 55.17 | 20.85 | 54.25 | 20.20 | 52.32 | 18.93 |
|     | 3.0               | 2.2   | 66.28                  | 24.65 | 64.32 | 23.30 | 62.28 | 21.92 | 61.21 | 21.17 | 60.13 | 20.50 | 57.85 | 19.36 |
|     | 5.0               | 4.1   | 71.79                  | 25.25 | 69.58 | 23.81 | 67.27 | 22.34 | 66.06 | 21.56 | 63.91 | 20.67 | 61.72 | 19.62 |
|     | 7.0               | 6.0   | 81.62                  | 27.17 | 78.20 | 25.26 | 76.00 | 23.78 | 74.26 | 22.99 | 71.04 | 21.83 | 61.72 | 18.55 |
|     | 9.0               | 7.9   | 82.54                  | 25.91 | 80.00 | 24.33 | 76.00 | 22.53 | 74.26 | 21.79 | 71.04 | 20.67 | 63.65 | 18.04 |
|     | 11.0              | 9.8   | 84.75                  | 25.10 | 82.39 | 23.65 | 76.00 | 21.35 | 74.26 | 20.66 | 71.04 | 19.54 | 63.65 | 16.96 |
|     | 13.0              | 11.8  | 86.63                  | 24.07 | 82.39 | 22.33 | 76.00 | 20.12 | 74.26 | 19.45 | 71.04 | 18.40 | 63.65 | 16.07 |
|     | 15.0              | 13.7  | 89.16                  | 23.35 | 82.39 | 21.10 | 76.00 | 19.00 | 74.26 | 18.36 | 71.04 | 17.32 | 63.65 | 16.87 |
|     | 18.0              | 16.6  | 89.33                  | 21.61 | 82.39 | 19.30 | 77.49 | 18.37 | 74.26 | 17.29 | 71.04 | 16.30 | 63.65 | 15.61 |
|     | 21.0              | 19.5  | 89.33                  | 19.56 | 82.39 | 17.52 | 77.49 | 15.99 | 74.26 | 17.47 | 71.04 | 16.52 | 63.65 | 14.44 |
|     | 24.0              | 22.4  | 89.33                  | 17.74 | 82.39 | 15.79 | 77.49 | 16.87 | 74.26 | 15.96 | 71.04 | 15.07 | 63.65 | 13.14 |
|     | 27.0              | 25.3  | 89.33                  | 15.95 | 82.39 | 16.76 | 77.49 | 15.40 | 74.26 | 14.55 | 71.04 | 13.74 | 63.65 | 11.62 |
|     | 30.0              | 28.1  | 89.33                  | 14.33 | 82.39 | 17.78 | 77.49 | 14.05 | 74.26 | 13.26 | 71.04 | 12.52 | 63.65 | 10.27 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

## V8 PRO VRF 50Hz



Table2-8.25:30HP heating capacity(continued)

| CR  | Outdoor air temp. |       | Indoor air temp. °C DB |       |       |       |       |       |       |       |       |       |       |       |
|-----|-------------------|-------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|     |                   |       | 16.0                   |       | 18.0  |       | 20.0  |       | 21.0  |       | 22.0  |       | 24.0  |       |
|     | °C DB             | °C WB | TC                     | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    |
| 70% | -30.0             | -30.5 | 42.64                  | 19.68 | 42.64 | 20.57 | 40.92 | 20.19 | 40.03 | 19.87 | 39.62 | 19.85 | 38.81 | 19.76 |
|     | -25.0             | -25.4 | 44.62                  | 20.80 | 43.97 | 21.37 | 42.95 | 21.43 | 42.24 | 21.17 | 41.58 | 20.95 | 40.20 | 20.50 |
|     | -19.8             | -20.0 | 45.85                  | 21.58 | 45.14 | 22.10 | 44.28 | 22.35 | 43.66 | 22.09 | 43.04 | 21.82 | 41.78 | 21.34 |
|     | -18.8             | -19.0 | 46.05                  | 21.69 | 45.33 | 22.21 | 44.52 | 22.54 | 43.91 | 22.26 | 43.30 | 22.02 | 42.07 | 21.52 |
|     | -16.7             | -17.0 | 46.45                  | 21.91 | 45.71 | 22.40 | 44.97 | 22.90 | 44.39 | 22.68 | 43.79 | 22.39 | 42.30 | 21.28 |
|     | -13.7             | -15.0 | 46.83                  | 22.24 | 46.07 | 22.72 | 45.18 | 22.88 | 44.49 | 22.38 | 43.78 | 21.84 | 42.30 | 20.73 |
|     | -11.8             | -13.0 | 47.18                  | 22.34 | 46.41 | 22.83 | 45.19 | 22.13 | 44.49 | 21.60 | 43.78 | 21.07 | 42.31 | 19.97 |
|     | -9.8              | -11.0 | 47.51                  | 22.45 | 46.53 | 22.38 | 45.19 | 21.37 | 44.49 | 20.83 | 43.78 | 20.30 | 42.30 | 19.19 |
|     | -9.5              | -10.0 | 47.67                  | 22.40 | 46.53 | 21.85 | 45.19 | 20.86 | 44.50 | 20.36 | 43.78 | 19.80 | 42.30 | 18.71 |
|     | -8.5              | -9.1  | 47.81                  | 22.46 | 46.53 | 21.52 | 45.19 | 20.52 | 44.50 | 20.00 | 43.79 | 19.46 | 42.30 | 18.37 |
|     | -7.0              | -7.6  | 47.83                  | 21.90 | 46.53 | 20.91 | 45.18 | 19.91 | 44.49 | 19.39 | 43.78 | 18.86 | 42.31 | 17.76 |
|     | -5.0              | -5.6  | 46.96                  | 20.70 | 45.69 | 19.73 | 44.38 | 18.74 | 43.72 | 18.27 | 43.02 | 17.73 | 41.58 | 16.76 |
|     | -3.0              | -3.7  | 48.36                  | 20.23 | 47.05 | 19.27 | 45.69 | 18.29 | 44.98 | 17.76 | 44.26 | 17.25 | 42.75 | 16.42 |
|     | 0.0               | -0.7  | 52.03                  | 20.01 | 50.57 | 18.97 | 49.05 | 17.93 | 48.27 | 17.45 | 47.46 | 17.03 | 45.78 | 16.19 |
|     | 3.0               | 2.2   | 57.99                  | 20.48 | 56.27 | 19.35 | 54.49 | 18.33 | 53.56 | 17.91 | 52.60 | 17.44 | 50.61 | 16.56 |
|     | 5.0               | 4.1   | 62.82                  | 20.92 | 60.89 | 19.75 | 58.86 | 18.82 | 57.80 | 18.33 | 55.92 | 17.59 | 54.01 | 16.71 |
|     | 7.0               | 6.0   | 71.41                  | 22.41 | 68.43 | 21.08 | 66.50 | 20.15 | 63.78 | 19.16 | 61.02 | 18.19 | 54.01 | 15.64 |
|     | 9.0               | 7.9   | 72.23                  | 21.42 | 70.00 | 20.45 | 66.50 | 19.08 | 63.78 | 18.01 | 61.02 | 16.90 | 54.01 | 14.77 |
|     | 11.0              | 9.8   | 74.15                  | 20.84 | 72.17 | 19.95 | 66.50 | 18.02 | 63.78 | 17.13 | 61.02 | 15.98 | 54.01 | 15.27 |
|     | 13.0              | 11.8  | 75.80                  | 20.09 | 72.17 | 18.78 | 66.50 | 16.96 | 63.78 | 16.05 | 61.02 | 16.90 | 54.01 | 14.35 |
| 60% | 15.0              | 13.7  | 78.01                  | 19.53 | 72.17 | 17.67 | 66.50 | 15.93 | 63.78 | 16.97 | 61.02 | 15.98 | 54.01 | 13.53 |
|     | 18.0              | 16.6  | 78.98                  | 18.37 | 73.45 | 17.03 | 66.50 | 16.61 | 63.78 | 15.61 | 61.02 | 14.56 | 54.01 | 12.34 |
|     | 21.0              | 19.5  | 78.98                  | 16.31 | 73.45 | 17.12 | 66.50 | 15.23 | 63.78 | 14.40 | 61.02 | 13.46 | 54.01 | 11.43 |
|     | 24.0              | 22.4  | 78.98                  | 17.18 | 73.45 | 15.66 | 66.50 | 13.85 | 63.78 | 13.13 | 61.02 | 12.48 | 54.01 | 10.43 |
|     | 27.0              | 25.3  | 78.98                  | 15.66 | 73.45 | 14.26 | 66.50 | 12.52 | 63.78 | 11.61 | 61.02 | 10.97 | 54.01 | 9.28  |
|     | 30.0              | 28.1  | 78.98                  | 14.27 | 73.45 | 12.99 | 67.02 | 11.40 | 63.78 | 10.26 | 61.02 | 9.65  | 56.31 | 8.60  |
|     | -30.0             | -30.5 | 38.46                  | 18.82 | 37.34 | 18.50 | 36.13 | 18.12 | 35.38 | 17.75 | 34.35 | 17.41 | 33.27 | 17.16 |
|     | -25.0             | -25.4 | 39.47                  | 19.57 | 38.45 | 19.30 | 37.34 | 18.90 | 36.72 | 18.62 | 36.15 | 18.44 | 34.99 | 18.03 |
|     | -19.8             | -20.0 | 40.36                  | 20.27 | 39.41 | 20.03 | 38.39 | 19.61 | 37.87 | 19.39 | 37.35 | 19.18 | 36.26 | 18.67 |
|     | -18.8             | -19.0 | 40.51                  | 20.38 | 39.59 | 20.18 | 38.58 | 19.75 | 38.07 | 19.55 | 37.53 | 19.27 | 36.26 | 18.39 |
|     | -16.7             | -17.0 | 40.80                  | 20.59 | 39.88 | 20.34 | 38.73 | 19.53 | 38.13 | 19.10 | 37.52 | 18.68 | 36.26 | 17.77 |
|     | -13.7             | -15.0 | 40.99                  | 20.65 | 39.88 | 19.85 | 38.73 | 19.02 | 38.14 | 18.61 | 37.53 | 18.16 | 36.26 | 17.23 |
|     | -11.8             | -13.0 | 41.00                  | 19.99 | 39.88 | 19.15 | 38.73 | 18.32 | 38.14 | 17.90 | 37.53 | 17.46 | 36.26 | 16.55 |
|     | -9.8              | -11.0 | 40.99                  | 19.27 | 39.89 | 18.48 | 38.74 | 17.66 | 38.13 | 17.20 | 37.53 | 16.77 | 36.26 | 15.98 |
|     | -9.5              | -10.0 | 40.99                  | 18.82 | 39.88 | 18.02 | 38.73 | 17.18 | 38.14 | 16.77 | 37.53 | 16.33 | 36.27 | 15.63 |
|     | -8.5              | -9.1  | 40.99                  | 18.51 | 39.88 | 17.71 | 38.74 | 16.89 | 38.14 | 16.47 | 37.52 | 16.03 | 36.26 | 15.36 |
|     | -7.0              | -7.6  | 40.99                  | 17.96 | 39.88 | 17.17 | 38.74 | 16.37 | 38.14 | 15.92 | 37.53 | 15.59 | 36.26 | 14.93 |
|     | -5.0              | -5.6  | 40.25                  | 16.91 | 39.17 | 16.16 | 38.05 | 15.36 | 37.46 | 15.05 | 36.88 | 14.76 | 35.65 | 14.10 |
|     | -3.0              | -3.7  | 41.46                  | 16.50 | 40.33 | 15.71 | 39.16 | 15.06 | 38.55 | 14.72 | 37.93 | 14.40 | 36.64 | 13.78 |
|     | 0.0               | -0.7  | 44.60                  | 16.21 | 43.34 | 15.54 | 42.04 | 14.88 | 41.38 | 14.58 | 40.69 | 14.26 | 39.25 | 13.59 |
|     | 3.0               | 2.2   | 49.70                  | 16.64 | 48.25 | 15.98 | 46.71 | 15.27 | 45.92 | 14.92 | 45.09 | 14.56 | 43.38 | 15.43 |
|     | 5.0               | 4.1   | 53.86                  | 17.12 | 52.19 | 16.37 | 50.46 | 15.65 | 49.56 | 15.26 | 47.94 | 14.66 | 46.29 | 15.60 |
|     | 7.0               | 6.0   | 61.22                  | 18.43 | 58.65 | 17.43 | 57.00 | 16.72 | 54.82 | 15.80 | 52.45 | 16.38 | 46.29 | 13.98 |
|     | 9.0               | 7.9   | 61.91                  | 17.64 | 60.00 | 16.60 | 57.00 | 15.44 | 54.82 | 14.63 | 52.45 | 15.41 | 46.29 | 13.20 |
|     | 11.0              | 9.8   | 63.56                  | 17.10 | 61.84 | 16.24 | 57.00 | 16.25 | 54.82 | 15.39 | 52.45 | 14.51 | 46.29 | 12.37 |
|     | 13.0              | 11.8  | 64.97                  | 16.42 | 61.84 | 15.28 | 57.00 | 15.29 | 54.82 | 14.45 | 52.45 | 13.61 | 46.29 | 11.55 |
|     | 15.0              | 13.7  | 66.59                  | 15.84 | 61.84 | 16.15 | 57.00 | 14.36 | 54.82 | 13.65 | 52.45 | 12.77 | 46.29 | 10.88 |
|     | 18.0              | 16.6  | 66.59                  | 16.51 | 61.84 | 14.81 | 57.00 | 13.28 | 54.82 | 12.37 | 52.45 | 11.70 | 46.29 | 9.94  |
|     | 21.0              | 19.5  | 66.59                  | 15.10 | 61.84 | 13.59 | 57.00 | 12.09 | 54.82 | 11.53 | 52.45 | 10.66 | 46.29 | 9.01  |
|     | 24.0              | 22.4  | 66.59                  | 13.77 | 61.84 | 12.57 | 57.00 | 11.00 | 54.82 | 10.47 | 52.45 | 9.94  | 46.29 | 8.12  |
|     | 27.0              | 25.3  | 66.59                  | 12.33 | 61.84 | 11.06 | 57.00 | 9.72  | 54.82 | 9.10  | 52.45 | 8.52  | 46.29 | 7.12  |
|     | 30.0              | 28.1  | 66.59                  | 11.05 | 61.84 | 9.73  | 57.00 | 8.59  | 54.82 | 7.91  | 52.45 | 7.30  | 47.57 | 6.42  |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.25:30HP heating capacity(continued)

| CR  | Outdoor air temp. |       | Indoor air temp. °C DB |       |       |       |       |       |       |       |       |       |       |       |
|-----|-------------------|-------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|     |                   |       | 16.0                   |       | 18.0  |       | 20.0  |       | 21.0  |       | 22.0  |       | 24.0  |       |
|     |                   |       | TC                     | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    |
| 50% | °C DB             | °C WB | kW                     | kW    | kW    | kW    | kW    | kW    | kW    | kW    | kW    | kW    | kW    | kW    |
|     | -30.0             | -30.5 | 32.49                  | 16.23 | 31.51 | 15.88 | 30.67 | 15.79 | 30.28 | 15.78 | 29.91 | 15.83 | 29.15 | 15.96 |
|     | -25.0             | -25.4 | 33.31                  | 16.85 | 32.42 | 16.53 | 31.53 | 16.19 | 31.08 | 16.02 | 30.63 | 15.86 | 29.71 | 15.56 |
|     | -19.8             | -20.0 | 34.03                  | 17.44 | 33.21 | 17.12 | 32.28 | 16.53 | 31.78 | 16.21 | 31.28 | 15.84 | 30.23 | 15.15 |
|     | -18.8             | -19.0 | 34.16                  | 17.57 | 33.23 | 16.94 | 32.28 | 16.29 | 31.78 | 15.94 | 31.27 | 15.59 | 30.23 | 14.95 |
|     | -16.7             | -17.0 | 34.16                  | 17.03 | 33.24 | 16.41 | 32.28 | 15.75 | 31.78 | 15.40 | 31.28 | 15.06 | 30.22 | 14.54 |
|     | -13.7             | -15.0 | 34.16                  | 16.59 | 33.24 | 15.96 | 32.28 | 15.28 | 31.78 | 14.92 | 31.28 | 14.67 | 30.22 | 14.18 |
|     | -11.8             | -13.0 | 34.16                  | 15.99 | 33.24 | 15.35 | 32.27 | 14.65 | 31.79 | 14.44 | 31.28 | 14.18 | 30.23 | 13.69 |
|     | -9.8              | -11.0 | 34.16                  | 15.36 | 33.24 | 14.71 | 32.27 | 14.15 | 31.78 | 13.94 | 31.28 | 13.67 | 30.22 | 13.16 |
|     | -9.5              | -10.0 | 34.17                  | 14.97 | 33.24 | 14.33 | 32.28 | 13.84 | 31.79 | 13.60 | 31.28 | 13.37 | 30.22 | 12.83 |
|     | -8.5              | -9.1  | 34.16                  | 14.69 | 33.24 | 14.10 | 32.28 | 13.62 | 31.79 | 13.39 | 31.28 | 13.13 | 30.22 | 12.62 |
|     | -7.0              | -7.6  | 34.16                  | 14.21 | 33.23 | 13.70 | 32.28 | 13.23 | 31.79 | 13.00 | 31.28 | 12.74 | 30.23 | 12.24 |
|     | -5.0              | -5.6  | 33.55                  | 13.41 | 32.64 | 12.93 | 31.71 | 12.49 | 31.23 | 12.26 | 30.74 | 12.02 | 29.70 | 12.78 |
|     | -3.0              | -3.7  | 34.55                  | 13.12 | 33.60 | 12.65 | 32.63 | 12.20 | 32.13 | 11.98 | 31.61 | 11.72 | 30.54 | 12.48 |
|     | 0.0               | -0.7  | 37.17                  | 13.01 | 36.13 | 12.55 | 35.05 | 12.06 | 34.48 | 13.16 | 33.90 | 12.88 | 32.70 | 12.27 |
|     | 3.0               | 2.2   | 41.43                  | 13.38 | 40.20 | 12.86 | 38.92 | 13.77 | 38.26 | 13.47 | 37.58 | 13.14 | 36.14 | 12.46 |
|     | 5.0               | 4.1   | 44.88                  | 13.72 | 43.49 | 14.75 | 42.03 | 14.08 | 41.28 | 13.74 | 39.95 | 13.20 | 38.58 | 12.12 |
|     | 7.0               | 6.0   | 51.03                  | 14.58 | 48.87 | 15.11 | 47.50 | 14.28 | 45.82 | 13.63 | 43.69 | 12.76 | 38.58 | 10.89 |
|     | 9.0               | 7.9   | 51.61                  | 13.82 | 50.00 | 14.52 | 47.50 | 13.45 | 45.82 | 12.80 | 43.69 | 12.04 | 38.58 | 10.39 |
|     | 11.0              | 9.8   | 52.97                  | 14.79 | 51.51 | 14.06 | 47.50 | 12.62 | 45.82 | 11.98 | 43.69 | 11.27 | 38.58 | 9.73  |
|     | 13.0              | 11.8  | 54.14                  | 14.24 | 51.51 | 13.14 | 47.50 | 11.77 | 45.82 | 11.23 | 43.69 | 10.58 | 38.58 | 9.10  |
|     | 15.0              | 13.7  | 54.14                  | 13.38 | 51.51 | 12.36 | 47.50 | 11.07 | 45.82 | 10.56 | 43.69 | 9.96  | 39.65 | 8.81  |
|     | 18.0              | 16.6  | 55.63                  | 12.75 | 51.51 | 11.24 | 47.50 | 10.11 | 45.82 | 9.60  | 43.69 | 9.02  | 39.65 | 7.92  |
|     | 21.0              | 19.5  | 55.63                  | 11.60 | 51.51 | 10.33 | 47.50 | 9.16  | 45.82 | 8.71  | 43.69 | 8.11  | 39.65 | 7.04  |
|     | 24.0              | 22.4  | 55.63                  | 10.53 | 51.51 | 9.33  | 47.50 | 8.25  | 45.82 | 7.76  | 43.69 | 7.21  | 39.65 | 6.43  |
|     | 27.0              | 25.3  | 55.63                  | 9.25  | 51.51 | 8.20  | 47.50 | 7.25  | 45.82 | 6.79  | 43.69 | 6.44  | 39.65 | 5.76  |
|     | 30.0              | 28.1  | 55.63                  | 8.12  | 51.51 | 7.21  | 47.72 | 6.40  | 45.82 | 5.94  | 43.69 | 5.76  | 39.65 | 5.15  |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.



## V8 PRO VRF 50Hz



Table2-8.26:32HP heating capacity

| CR   | Outdoor air temp. |       | Indoor air temp. °C DB |       |        |       |        |       |        |       |        |       |        |       |
|------|-------------------|-------|------------------------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|
|      |                   |       | 16.0                   |       | 18.0   |       | 20.0   |       | 21.0   |       | 22.0   |       | 24.0   |       |
|      | °C DB             | °C WB | TC                     | PI    | TC     | PI    | TC     | PI    | TC     | PI    | TC     | PI    | TC     | PI    |
| 130% | -30.0             | -30.5 | 70.44                  | 26.89 | 69.09  | 27.67 | 67.73  | 28.49 | 67.05  | 28.81 | 66.38  | 29.18 | 65.02  | 29.97 |
|      | -25.0             | -25.4 | 70.44                  | 27.08 | 69.09  | 27.77 | 67.73  | 28.47 | 67.05  | 28.78 | 66.38  | 29.10 | 65.02  | 29.77 |
|      | -19.8             | -20.0 | 70.44                  | 27.27 | 69.09  | 27.87 | 67.73  | 28.45 | 67.05  | 28.74 | 66.38  | 29.01 | 65.02  | 29.56 |
|      | -18.8             | -19.0 | 70.44                  | 27.25 | 69.09  | 27.84 | 67.73  | 28.39 | 67.05  | 28.66 | 66.38  | 28.93 | 65.02  | 29.48 |
|      | -16.7             | -17.0 | 70.44                  | 27.18 | 69.09  | 27.72 | 67.73  | 28.27 | 67.05  | 28.52 | 66.38  | 28.80 | 65.02  | 29.28 |
|      | -13.7             | -15.0 | 70.44                  | 27.23 | 69.09  | 27.76 | 68.29  | 28.51 | 67.69  | 28.80 | 67.09  | 29.10 | 65.89  | 29.67 |
|      | -11.8             | -13.0 | 71.16                  | 27.30 | 69.95  | 27.87 | 68.73  | 28.44 | 69.19  | 29.16 | 68.64  | 29.48 | 67.55  | 30.12 |
|      | -9.8              | -11.0 | 72.78                  | 27.68 | 71.67  | 28.30 | 70.55  | 28.91 | 70.00  | 29.23 | 69.43  | 29.56 | 68.31  | 30.17 |
|      | -9.5              | -10.0 | 73.20                  | 27.55 | 72.08  | 28.18 | 70.95  | 28.80 | 70.38  | 29.11 | 69.81  | 29.42 | 68.67  | 30.01 |
|      | -8.5              | -9.1  | 73.58                  | 27.62 | 72.44  | 28.22 | 71.29  | 28.83 | 70.72  | 29.13 | 70.14  | 29.43 | 68.99  | 30.05 |
|      | -7.0              | -7.6  | 74.18                  | 27.61 | 73.02  | 28.22 | 71.85  | 28.81 | 71.26  | 29.12 | 70.68  | 29.42 | 69.50  | 30.02 |
|      | -5.0              | -5.6  | 73.70                  | 27.16 | 72.53  | 27.72 | 71.34  | 28.31 | 70.75  | 28.61 | 70.15  | 28.87 | 68.96  | 29.47 |
|      | -3.0              | -3.7  | 76.40                  | 27.48 | 75.17  | 28.07 | 73.94  | 28.65 | 73.33  | 28.95 | 72.70  | 29.24 | 71.46  | 29.82 |
|      | 0.0               | -0.7  | 82.88                  | 28.73 | 81.56  | 29.37 | 80.22  | 29.97 | 79.55  | 30.27 | 78.88  | 30.57 | 77.54  | 31.17 |
|      | 3.0               | 2.2   | 92.97                  | 31.09 | 91.50  | 31.77 | 90.03  | 32.44 | 89.29  | 32.79 | 88.55  | 33.12 | 87.06  | 33.81 |
|      | 5.0               | 4.1   | 101.17                 | 33.05 | 99.60  | 33.82 | 98.02  | 34.54 | 97.22  | 34.91 | 96.43  | 35.27 | 94.83  | 35.99 |
|      | 7.0               | 6.0   | 115.86                 | 37.03 | 113.63 | 37.76 | 111.40 | 38.43 | 110.29 | 38.75 | 109.17 | 39.07 | 106.94 | 38.66 |
|      | 9.0               | 7.9   | 119.56                 | 37.43 | 117.26 | 38.13 | 114.96 | 38.84 | 113.82 | 39.17 | 112.67 | 39.51 | 106.94 | 36.66 |
|      | 11.0              | 9.8   | 123.27                 | 37.80 | 120.90 | 38.50 | 118.53 | 39.21 | 117.34 | 39.56 | 116.16 | 39.48 | 108.43 | 35.22 |
|      | 13.0              | 11.8  | 126.98                 | 38.10 | 124.54 | 38.84 | 122.09 | 39.56 | 120.87 | 39.72 | 116.16 | 37.28 | 108.43 | 33.14 |
|      | 15.0              | 13.7  | 130.69                 | 38.42 | 128.17 | 39.20 | 125.66 | 39.94 | 124.40 | 38.71 | 116.16 | 35.28 | 108.43 | 31.29 |
|      | 18.0              | 16.6  | 136.25                 | 38.92 | 133.63 | 39.71 | 130.06 | 38.13 | 124.62 | 35.63 | 116.16 | 32.31 | 108.43 | 28.57 |
|      | 21.0              | 19.5  | 141.81                 | 39.39 | 139.08 | 39.25 | 130.06 | 34.93 | 124.62 | 32.60 | 116.16 | 29.53 | 108.43 | 26.03 |
|      | 24.0              | 22.4  | 147.37                 | 39.90 | 140.88 | 36.46 | 130.06 | 31.90 | 124.62 | 29.72 | 119.20 | 27.61 | 108.43 | 23.75 |
|      | 27.0              | 25.3  | 147.37                 | 36.69 | 140.88 | 33.25 | 130.06 | 29.06 | 124.62 | 26.99 | 119.20 | 25.05 | 108.43 | 21.61 |
|      | 30.0              | 28.1  | 152.01                 | 34.79 | 140.88 | 30.32 | 130.06 | 26.48 | 124.62 | 24.52 | 119.20 | 22.72 | 108.43 | 19.67 |
| 120% | -30.0             | -30.5 | 67.34                  | 26.31 | 66.05  | 27.08 | 64.75  | 27.83 | 64.10  | 28.18 | 63.46  | 28.63 | 62.16  | 29.33 |
|      | -25.0             | -25.4 | 67.34                  | 26.50 | 66.05  | 27.17 | 64.75  | 27.84 | 64.10  | 28.14 | 63.46  | 28.50 | 62.16  | 29.12 |
|      | -19.8             | -20.0 | 67.34                  | 26.69 | 66.05  | 27.26 | 64.75  | 27.85 | 64.10  | 28.10 | 63.46  | 28.36 | 62.16  | 28.90 |
|      | -18.8             | -19.0 | 67.34                  | 26.69 | 66.05  | 27.22 | 64.75  | 27.78 | 64.10  | 28.03 | 63.46  | 28.31 | 62.16  | 28.83 |
|      | -16.7             | -17.0 | 67.34                  | 26.58 | 66.05  | 27.12 | 64.75  | 27.66 | 64.63  | 28.13 | 64.06  | 28.42 | 62.92  | 29.02 |
|      | -13.7             | -15.0 | 67.94                  | 26.88 | 66.78  | 27.45 | 65.63  | 28.03 | 65.05  | 28.33 | 65.48  | 29.05 | 64.46  | 29.71 |
|      | -11.8             | -13.0 | 69.42                  | 27.25 | 68.37  | 27.87 | 67.31  | 28.51 | 66.79  | 28.81 | 66.25  | 29.14 | 65.20  | 29.78 |
|      | -9.8              | -11.0 | 70.24                  | 27.36 | 69.16  | 27.96 | 68.08  | 28.55 | 67.53  | 28.87 | 66.99  | 29.18 | 65.89  | 29.79 |
|      | -9.5              | -10.0 | 70.64                  | 27.25 | 69.55  | 27.85 | 68.44  | 28.45 | 67.89  | 28.77 | 67.34  | 29.05 | 66.23  | 29.65 |
|      | -8.5              | -9.1  | 70.99                  | 27.29 | 69.88  | 27.88 | 68.76  | 28.49 | 68.20  | 28.77 | 67.64  | 29.07 | 66.52  | 29.67 |
|      | -7.0              | -7.6  | 71.54                  | 27.32 | 70.41  | 27.89 | 69.28  | 28.47 | 68.70  | 28.78 | 68.13  | 29.05 | 66.99  | 29.65 |
|      | -5.0              | -5.6  | 71.04                  | 26.84 | 69.89  | 27.41 | 68.74  | 27.97 | 68.17  | 28.25 | 67.59  | 28.54 | 66.43  | 29.10 |
|      | -3.0              | -3.7  | 73.63                  | 27.19 | 72.44  | 27.76 | 71.25  | 28.34 | 70.65  | 28.62 | 70.04  | 28.89 | 68.84  | 29.45 |
|      | 0.0               | -0.7  | 79.90                  | 28.46 | 78.62  | 29.05 | 77.32  | 29.64 | 76.67  | 29.96 | 76.02  | 30.26 | 74.71  | 30.83 |
|      | 3.0               | 2.2   | 89.68                  | 30.89 | 88.25  | 31.54 | 86.82  | 32.21 | 86.10  | 32.54 | 85.38  | 32.86 | 83.38  | 32.49 |
|      | 5.0               | 4.1   | 97.63                  | 32.92 | 96.10  | 33.64 | 94.56  | 34.35 | 93.79  | 34.71 | 93.02  | 35.06 | 89.99  | 33.26 |
|      | 7.0               | 6.0   | 110.76                 | 36.57 | 108.63 | 37.25 | 106.50 | 37.91 | 106.32 | 38.53 | 105.17 | 38.37 | 100.22 | 35.10 |
|      | 9.0               | 7.9   | 114.30                 | 36.97 | 112.11 | 37.66 | 110.77 | 38.63 | 109.70 | 38.78 | 107.71 | 37.26 | 100.22 | 33.17 |
|      | 11.0              | 9.8   | 117.85                 | 37.38 | 115.58 | 38.08 | 114.27 | 39.07 | 112.18 | 37.55 | 110.06 | 36.05 | 100.22 | 31.34 |
|      | 13.0              | 11.8  | 121.39                 | 37.72 | 119.06 | 38.45 | 116.72 | 37.69 | 112.18 | 35.47 | 110.06 | 34.00 | 100.22 | 29.50 |
|      | 15.0              | 13.7  | 124.94                 | 38.09 | 123.49 | 39.14 | 116.72 | 35.66 | 112.18 | 33.51 | 110.06 | 32.10 | 100.22 | 27.79 |
|      | 18.0              | 16.6  | 130.25                 | 38.65 | 127.75 | 37.47 | 120.06 | 33.63 | 112.18 | 30.66 | 110.06 | 29.34 | 100.22 | 25.30 |
|      | 21.0              | 19.5  | 135.57                 | 38.12 | 127.75 | 34.33 | 120.06 | 30.73 | 112.18 | 27.97 | 110.06 | 26.71 | 100.22 | 23.18 |
|      | 24.0              | 22.4  | 140.06                 | 36.11 | 127.75 | 31.37 | 120.06 | 27.99 | 112.18 | 25.42 | 110.06 | 24.28 | 100.22 | 21.13 |
|      | 27.0              | 25.3  | 140.06                 | 32.92 | 130.10 | 29.11 | 120.06 | 25.37 | 112.18 | 23.12 | 110.06 | 22.15 | 100.22 | 19.15 |
|      | 30.0              | 28.1  | 140.06                 | 30.01 | 130.10 | 26.52 | 120.06 | 23.01 | 115.08 | 21.57 | 110.06 | 20.20 | 100.22 | 17.35 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.26:32HP heating capacity(continued)

| CR   | Outdoor air temp. |       | Indoor air temp. °C DB |       |        |       |        |       |        |       |        |       |       |       |
|------|-------------------|-------|------------------------|-------|--------|-------|--------|-------|--------|-------|--------|-------|-------|-------|
|      |                   |       | 16.0                   |       | 18.0   |       | 20.0   |       | 21.0   |       | 22.0   |       | 24.0  |       |
|      |                   |       | TC                     | PI    | TC     | PI    | TC     | PI    | TC     | PI    | TC     | PI    | TC    | PI    |
|      | °C DB             | °C WB | kW                     | kW    | kW     | kW    | kW     | kW    | kW     | kW    | kW     | kW    | kW    | kW    |
| 110% | -30.0             | -30.5 | 63.61                  | 25.54 | 62.39  | 26.23 | 61.16  | 26.97 | 60.55  | 27.35 | 59.94  | 27.68 | 58.72 | 28.37 |
|      | -25.0             | -25.4 | 63.61                  | 25.70 | 62.39  | 26.32 | 61.16  | 26.96 | 60.55  | 27.29 | 59.94  | 27.58 | 58.72 | 28.18 |
|      | -19.8             | -20.0 | 63.61                  | 25.86 | 62.39  | 26.42 | 61.16  | 26.95 | 60.55  | 27.22 | 59.94  | 27.49 | 59.27 | 28.27 |
|      | -18.8             | -19.0 | 63.61                  | 25.84 | 62.39  | 26.37 | 61.16  | 26.91 | 61.07  | 27.37 | 60.54  | 27.68 | 59.47 | 28.27 |
|      | -16.7             | -17.0 | 64.19                  | 26.00 | 63.11  | 26.57 | 62.02  | 27.16 | 62.39  | 27.84 | 61.91  | 28.18 | 60.96 | 28.79 |
|      | -13.7             | -15.0 | 65.62                  | 26.65 | 64.63  | 27.27 | 63.64  | 27.89 | 63.15  | 28.21 | 62.65  | 28.52 | 61.66 | 29.15 |
|      | -11.8             | -13.0 | 66.41                  | 26.77 | 65.39  | 27.37 | 64.37  | 27.99 | 63.86  | 28.27 | 63.35  | 28.59 | 62.32 | 29.19 |
|      | -9.8              | -11.0 | 67.16                  | 26.86 | 66.11  | 27.43 | 65.06  | 28.02 | 64.54  | 28.31 | 64.01  | 28.62 | 62.95 | 29.21 |
|      | -9.5              | -10.0 | 67.52                  | 26.74 | 66.46  | 27.32 | 65.39  | 27.91 | 64.86  | 28.19 | 64.32  | 28.48 | 63.25 | 29.06 |
|      | -8.5              | -9.1  | 67.83                  | 26.80 | 66.76  | 27.38 | 65.68  | 27.93 | 65.14  | 28.22 | 64.60  | 28.51 | 63.51 | 29.09 |
|      | -7.0              | -7.6  | 68.33                  | 26.80 | 67.24  | 27.37 | 66.14  | 27.93 | 65.59  | 28.22 | 65.04  | 28.52 | 63.93 | 29.08 |
|      | -5.0              | -5.6  | 67.79                  | 26.36 | 66.69  | 26.89 | 65.58  | 27.45 | 65.03  | 27.70 | 64.47  | 27.98 | 63.35 | 28.52 |
|      | -3.0              | -3.7  | 70.26                  | 26.71 | 69.11  | 27.27 | 67.96  | 27.81 | 67.38  | 28.09 | 66.81  | 28.35 | 65.65 | 28.90 |
|      | 0.0               | -0.7  | 76.25                  | 28.03 | 75.00  | 28.61 | 73.76  | 29.16 | 73.13  | 29.46 | 72.50  | 29.75 | 70.54 | 28.85 |
|      | 3.0               | 2.2   | 85.63                  | 30.50 | 84.26  | 31.15 | 82.87  | 31.78 | 82.18  | 32.11 | 81.18  | 31.79 | 78.23 | 29.52 |
|      | 5.0               | 4.1   | 93.31                  | 32.57 | 91.83  | 33.26 | 90.34  | 33.94 | 89.33  | 33.80 | 87.74  | 32.61 | 84.37 | 30.16 |
|      | 7.0               | 6.0   | 105.66                 | 36.16 | 103.84 | 36.88 | 101.88 | 37.21 | 100.42 | 36.05 | 98.59  | 34.69 | 91.74 | 31.00 |
|      | 9.0               | 7.9   | 109.10                 | 36.62 | 107.22 | 37.38 | 104.70 | 36.28 | 102.78 | 34.93 | 98.59  | 32.83 | 91.74 | 29.28 |
|      | 11.0              | 9.8   | 112.55                 | 37.08 | 110.55 | 37.66 | 107.04 | 35.10 | 102.78 | 33.03 | 98.59  | 31.05 | 91.74 | 27.58 |
|      | 13.0              | 11.8  | 116.04                 | 37.54 | 113.41 | 36.49 | 107.04 | 33.10 | 102.78 | 31.13 | 98.59  | 29.18 | 91.74 | 25.90 |
|      | 15.0              | 13.7  | 119.44                 | 37.79 | 115.75 | 35.24 | 107.04 | 31.27 | 102.78 | 29.35 | 98.59  | 27.48 | 91.74 | 24.40 |
|      | 18.0              | 16.6  | 123.04                 | 35.78 | 115.75 | 32.29 | 107.04 | 28.54 | 102.78 | 26.79 | 98.59  | 25.05 | 91.74 | 22.42 |
|      | 21.0              | 19.5  | 128.06                 | 34.08 | 115.75 | 29.50 | 107.04 | 26.02 | 102.78 | 24.33 | 98.59  | 22.90 | 91.74 | 20.46 |
|      | 24.0              | 22.4  | 128.36                 | 31.21 | 115.75 | 26.84 | 110.11 | 24.32 | 105.51 | 22.83 | 98.59  | 20.86 | 91.74 | 18.55 |
|      | 27.0              | 25.3  | 128.36                 | 28.37 | 115.75 | 24.37 | 110.11 | 22.16 | 105.51 | 20.73 | 98.59  | 18.95 | 91.74 | 16.65 |
|      | 30.0              | 28.1  | 128.36                 | 25.80 | 119.30 | 22.80 | 110.11 | 20.18 | 105.51 | 18.83 | 101.13 | 17.66 | 91.74 | 14.94 |
| 100% | -30.0             | -30.5 | 63.23                  | 26.08 | 62.02  | 26.87 | 60.80  | 27.61 | 60.19  | 27.99 | 59.58  | 28.32 | 58.37 | 29.03 |
|      | -25.0             | -25.4 | 63.23                  | 26.26 | 62.02  | 26.92 | 60.80  | 27.57 | 60.19  | 27.89 | 59.58  | 28.20 | 58.37 | 28.82 |
|      | -19.8             | -20.0 | 63.23                  | 26.45 | 62.02  | 26.97 | 60.80  | 27.54 | 60.19  | 27.79 | 59.58  | 28.08 | 58.93 | 28.89 |
|      | -18.8             | -19.0 | 63.23                  | 26.44 | 62.02  | 26.96 | 60.80  | 27.48 | 60.71  | 27.99 | 60.18  | 28.29 | 59.12 | 28.91 |
|      | -16.7             | -17.0 | 63.81                  | 26.61 | 62.73  | 27.19 | 61.65  | 27.76 | 62.03  | 28.48 | 61.55  | 28.78 | 60.61 | 29.48 |
|      | -13.7             | -15.0 | 65.23                  | 27.27 | 64.25  | 27.90 | 63.27  | 28.50 | 62.78  | 28.84 | 62.29  | 29.18 | 61.31 | 29.81 |
|      | -11.8             | -13.0 | 66.02                  | 27.40 | 65.01  | 28.02 | 64.00  | 28.63 | 63.49  | 28.94 | 62.98  | 29.25 | 61.97 | 29.89 |
|      | -9.8              | -11.0 | 66.76                  | 27.53 | 65.73  | 28.11 | 64.69  | 28.71 | 64.16  | 28.99 | 63.64  | 29.31 | 62.59 | 29.92 |
|      | -9.5              | -10.0 | 67.12                  | 27.42 | 66.07  | 28.00 | 65.01  | 28.59 | 64.48  | 28.88 | 63.95  | 29.20 | 62.89 | 29.80 |
|      | -8.5              | -9.1  | 67.43                  | 27.43 | 66.37  | 28.04 | 65.30  | 28.62 | 64.76  | 28.93 | 64.23  | 29.21 | 63.15 | 29.82 |
|      | -7.0              | -7.6  | 67.93                  | 27.49 | 66.85  | 28.07 | 65.76  | 28.66 | 65.21  | 28.95 | 64.66  | 29.24 | 63.57 | 29.82 |
|      | -5.0              | -5.6  | 67.38                  | 27.09 | 66.29  | 27.63 | 65.19  | 28.17 | 64.64  | 28.46 | 64.09  | 28.73 | 62.53 | 28.31 |
|      | -3.0              | -3.7  | 69.82                  | 27.50 | 68.68  | 28.07 | 67.54  | 28.61 | 66.97  | 28.89 | 66.39  | 29.17 | 64.29 | 27.68 |
|      | 0.0               | -0.7  | 75.76                  | 28.90 | 74.52  | 29.49 | 73.29  | 30.07 | 72.58  | 30.19 | 71.38  | 29.25 | 68.84 | 27.25 |
|      | 3.0               | 2.2   | 85.08                  | 31.52 | 83.71  | 32.16 | 81.95  | 32.02 | 80.55  | 30.96 | 79.11  | 29.86 | 76.11 | 27.72 |
|      | 5.0               | 4.1   | 92.69                  | 33.69 | 91.22  | 34.39 | 88.50  | 32.80 | 86.93  | 31.67 | 84.10  | 30.09 | 81.22 | 27.97 |
|      | 7.0               | 6.0   | 104.99                 | 37.44 | 102.90 | 37.37 | 100.00 | 35.09 | 95.96  | 33.06 | 91.77  | 31.04 | 81.22 | 26.38 |
|      | 9.0               | 7.9   | 108.41                 | 37.99 | 105.26 | 36.19 | 100.08 | 33.24 | 95.96  | 31.28 | 91.77  | 29.30 | 81.22 | 24.83 |
|      | 11.0              | 9.8   | 111.51                 | 37.58 | 105.26 | 34.27 | 100.08 | 31.39 | 95.96  | 29.49 | 91.77  | 27.63 | 81.22 | 23.49 |
|      | 13.0              | 11.8  | 113.98                 | 36.23 | 105.26 | 32.28 | 100.08 | 29.50 | 95.96  | 27.70 | 91.77  | 25.92 | 81.22 | 22.18 |
|      | 15.0              | 13.7  | 113.98                 | 34.27 | 108.39 | 31.38 | 100.08 | 27.82 | 95.96  | 26.10 | 91.77  | 24.41 | 83.44 | 21.55 |
|      | 18.0              | 16.6  | 113.98                 | 31.35 | 108.39 | 28.67 | 100.08 | 25.32 | 95.96  | 23.82 | 91.77  | 22.42 | 83.44 | 19.67 |
|      | 21.0              | 19.5  | 113.98                 | 28.61 | 108.39 | 26.05 | 100.08 | 23.15 | 95.96  | 21.79 | 91.77  | 20.47 | 83.44 | 17.88 |
|      | 24.0              | 22.4  | 113.98                 | 26.01 | 108.39 | 23.70 | 100.08 | 21.11 | 95.96  | 19.85 | 91.77  | 18.55 | 83.44 | 16.10 |
|      | 27.0              | 25.3  | 113.98                 | 23.59 | 108.39 | 21.59 | 100.08 | 19.07 | 95.96  | 17.87 | 91.77  | 16.69 | 83.44 | 17.12 |
|      | 30.0              | 28.1  | 116.79                 | 21.92 | 108.39 | 19.67 | 100.08 | 17.24 | 95.96  | 16.08 | 91.77  | 15.01 | 83.44 | 18.21 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

## V8 PRO VRF 50Hz



Table 2-8.26: 32HP heating capacity (continued)

| CR  | Outdoor air temp. |       | Indoor air temp. °C DB |       |       |       |       |       |       |       |       |       |       |       |
|-----|-------------------|-------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|     |                   |       | 16.0                   |       | 18.0  |       | 20.0  |       | 21.0  |       | 22.0  |       | 24.0  |       |
|     | °C DB             | °C WB | TC                     | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    |
| 90% | -30.0             | -30.5 | 56.91                  | 24.25 | 55.81 | 24.97 | 54.72 | 25.63 | 54.17 | 25.93 | 53.63 | 26.25 | 52.53 | 25.99 |
|     | -25.0             | -25.4 | 56.91                  | 24.41 | 55.81 | 25.01 | 54.72 | 25.59 | 54.17 | 25.88 | 53.63 | 26.17 | 52.53 | 26.23 |
|     | -19.8             | -20.0 | 57.64                  | 24.89 | 57.52 | 25.82 | 56.67 | 26.47 | 56.24 | 26.80 | 55.82 | 27.14 | 54.86 | 27.64 |
|     | -18.8             | -19.0 | 58.75                  | 25.34 | 57.88 | 25.96 | 57.01 | 26.60 | 56.58 | 26.91 | 56.15 | 27.23 | 55.28 | 27.89 |
|     | -16.7             | -17.0 | 59.47                  | 25.61 | 58.58 | 26.21 | 57.68 | 26.82 | 57.23 | 27.11 | 56.78 | 27.43 | 55.88 | 28.05 |
|     | -13.7             | -15.0 | 60.16                  | 25.99 | 59.24 | 26.57 | 58.31 | 27.15 | 57.84 | 27.47 | 57.38 | 27.78 | 56.45 | 28.38 |
|     | -11.8             | -13.0 | 60.81                  | 26.11 | 59.86 | 26.66 | 58.90 | 27.24 | 58.42 | 27.53 | 57.95 | 27.84 | 56.99 | 28.41 |
|     | -9.8              | -11.0 | 61.41                  | 26.21 | 60.43 | 26.75 | 59.45 | 27.31 | 58.96 | 27.59 | 58.47 | 27.89 | 57.26 | 27.99 |
|     | -9.5              | -10.0 | 61.69                  | 26.12 | 60.70 | 26.67 | 59.71 | 27.22 | 59.21 | 27.50 | 58.72 | 27.79 | 57.25 | 27.35 |
|     | -8.5              | -9.1  | 61.93                  | 26.17 | 60.94 | 26.74 | 59.94 | 27.26 | 59.43 | 27.55 | 58.93 | 27.82 | 57.26 | 26.94 |
|     | -7.0              | -7.6  | 62.33                  | 26.23 | 61.31 | 26.77 | 60.30 | 27.30 | 59.79 | 27.56 | 59.26 | 27.77 | 57.26 | 26.18 |
|     | -5.0              | -5.6  | 61.73                  | 25.81 | 60.71 | 26.35 | 59.69 | 26.86 | 59.16 | 27.06 | 58.23 | 26.31 | 56.28 | 24.73 |
|     | -3.0              | -3.7  | 63.96                  | 26.25 | 62.90 | 26.76 | 61.82 | 27.27 | 60.87 | 26.50 | 59.90 | 25.73 | 57.86 | 24.11 |
|     | 0.0               | -0.7  | 69.43                  | 27.66 | 68.28 | 28.20 | 66.40 | 27.05 | 65.33 | 26.20 | 64.25 | 25.38 | 61.97 | 23.70 |
|     | 3.0               | 2.2   | 78.09                  | 30.28 | 76.17 | 29.43 | 73.75 | 27.68 | 72.49 | 26.76 | 71.20 | 25.85 | 68.49 | 23.97 |
|     | 5.0               | 4.1   | 85.03                  | 32.06 | 82.41 | 30.20 | 79.66 | 28.28 | 78.23 | 27.31 | 75.69 | 25.96 | 73.09 | 24.12 |
|     | 7.0               | 6.0   | 96.65                  | 34.56 | 92.60 | 32.12 | 90.00 | 30.20 | 86.44 | 28.50 | 82.59 | 26.73 | 73.09 | 22.89 |
|     | 9.0               | 7.9   | 97.75                  | 33.10 | 94.74 | 31.08 | 90.10 | 28.55 | 86.44 | 26.85 | 82.59 | 25.15 | 73.09 | 21.70 |
|     | 11.0              | 9.8   | 100.36                 | 32.10 | 94.74 | 29.33 | 90.10 | 26.87 | 86.44 | 25.29 | 82.59 | 23.81 | 73.09 | 20.56 |
|     | 13.0              | 11.8  | 102.59                 | 30.93 | 94.74 | 27.55 | 90.10 | 25.23 | 86.44 | 23.82 | 82.59 | 22.47 | 73.09 | 19.36 |
| 80% | 15.0              | 13.7  | 105.58                 | 29.99 | 94.74 | 25.93 | 90.10 | 23.81 | 86.44 | 22.57 | 82.59 | 21.24 | 73.09 | 18.24 |
|     | 18.0              | 16.6  | 105.82                 | 27.67 | 94.74 | 23.61 | 90.10 | 21.82 | 86.44 | 20.63 | 82.59 | 19.41 | 76.50 | 17.98 |
|     | 21.0              | 19.5  | 105.82                 | 24.90 | 94.74 | 21.62 | 90.10 | 19.89 | 86.44 | 18.80 | 82.59 | 17.60 | 76.50 | 18.21 |
|     | 24.0              | 22.4  | 105.82                 | 22.69 | 97.60 | 20.25 | 90.10 | 18.04 | 86.44 | 16.95 | 82.59 | 15.82 | 76.50 | 16.64 |
|     | 27.0              | 25.3  | 105.82                 | 20.65 | 97.60 | 18.32 | 90.10 | 16.15 | 86.44 | 15.21 | 82.59 | 16.87 | 76.50 | 15.16 |
|     | 30.0              | 28.1  | 105.82                 | 18.78 | 97.60 | 16.57 | 90.10 | 14.46 | 86.44 | 13.66 | 82.59 | 18.00 | 76.50 | 13.80 |
|     | -30.0             | -30.5 | 50.59                  | 22.35 | 49.61 | 22.99 | 48.64 | 23.60 | 48.15 | 23.90 | 47.67 | 23.61 | 46.69 | 23.44 |
|     | -25.0             | -25.4 | 51.10                  | 22.74 | 50.25 | 23.36 | 50.18 | 24.34 | 49.81 | 24.68 | 48.36 | 24.18 | 46.69 | 23.59 |
|     | -19.8             | -20.0 | 53.37                  | 23.92 | 52.57 | 24.51 | 51.77 | 25.11 | 51.37 | 25.42 | 50.97 | 25.72 | 49.40 | 25.11 |
|     | -18.8             | -19.0 | 53.67                  | 24.05 | 52.86 | 24.64 | 52.04 | 25.21 | 51.64 | 25.50 | 51.23 | 25.82 | 49.77 | 25.36 |
|     | -16.7             | -17.0 | 54.25                  | 24.26 | 53.41 | 24.84 | 52.57 | 25.40 | 52.15 | 25.68 | 51.73 | 25.99 | 50.48 | 25.81 |
|     | -13.7             | -15.0 | 54.78                  | 24.63 | 53.92 | 25.19 | 53.06 | 25.73 | 52.62 | 26.00 | 52.19 | 26.29 | 50.89 | 25.95 |
|     | -11.8             | -13.0 | 55.28                  | 24.75 | 54.40 | 25.29 | 53.51 | 25.82 | 53.07 | 26.09 | 52.62 | 26.38 | 50.89 | 25.10 |
|     | -9.8              | -11.0 | 55.75                  | 24.88 | 54.84 | 25.38 | 53.94 | 25.91 | 53.48 | 26.16 | 52.67 | 25.59 | 50.89 | 24.18 |
|     | -9.5              | -10.0 | 55.97                  | 24.79 | 55.06 | 25.30 | 54.14 | 25.81 | 53.53 | 25.67 | 52.68 | 25.01 | 50.90 | 23.64 |
|     | -8.5              | -9.1  | 56.17                  | 24.84 | 55.25 | 25.34 | 54.32 | 25.86 | 53.53 | 25.29 | 52.68 | 24.62 | 50.89 | 23.22 |
|     | -7.0              | -7.6  | 56.48                  | 24.90 | 55.54 | 25.39 | 54.36 | 25.27 | 53.53 | 24.59 | 52.67 | 23.92 | 50.89 | 22.53 |
|     | -5.0              | -5.6  | 55.86                  | 24.51 | 54.92 | 24.98 | 53.40 | 23.88 | 52.59 | 23.25 | 51.76 | 22.58 | 50.02 | 21.22 |
|     | -3.0              | -3.7  | 57.86                  | 24.95 | 56.60 | 24.63 | 54.95 | 23.33 | 54.11 | 22.68 | 53.25 | 22.03 | 51.44 | 20.66 |
|     | 0.0               | -0.7  | 62.60                  | 25.74 | 60.84 | 24.39 | 59.02 | 23.03 | 58.07 | 22.33 | 57.10 | 21.65 | 55.08 | 20.23 |
|     | 3.0               | 2.2   | 69.76                  | 26.44 | 67.71 | 25.02 | 65.56 | 23.52 | 64.45 | 22.75 | 63.30 | 21.99 | 60.88 | 20.65 |
|     | 5.0               | 4.1   | 75.59                  | 27.14 | 73.25 | 25.57 | 70.80 | 23.96 | 69.54 | 23.12 | 67.28 | 22.09 | 64.97 | 20.93 |
|     | 7.0               | 6.0   | 85.92                  | 29.15 | 82.32 | 27.13 | 80.00 | 25.51 | 76.76 | 24.14 | 74.79 | 23.27 | 64.97 | 19.82 |
|     | 9.0               | 7.9   | 86.90                  | 27.86 | 84.21 | 26.14 | 80.00 | 24.11 | 76.76 | 22.89 | 74.79 | 22.09 | 64.97 | 18.62 |
|     | 11.0              | 9.8   | 89.21                  | 26.96 | 86.77 | 25.39 | 80.00 | 22.81 | 76.76 | 21.68 | 74.79 | 20.89 | 64.97 | 17.68 |
|     | 13.0              | 11.8  | 91.19                  | 25.87 | 86.77 | 23.87 | 80.00 | 21.53 | 76.76 | 20.42 | 74.79 | 19.64 | 64.97 | 16.63 |
|     | 15.0              | 13.7  | 93.85                  | 25.05 | 86.77 | 22.61 | 80.00 | 20.33 | 76.76 | 19.25 | 74.79 | 18.50 | 64.97 | 15.68 |
|     | 18.0              | 16.6  | 94.84                  | 23.55 | 86.77 | 20.64 | 80.12 | 18.58 | 76.76 | 17.51 | 74.79 | 17.43 | 64.97 | 16.17 |
|     | 21.0              | 19.5  | 94.84                  | 21.17 | 86.77 | 18.79 | 80.12 | 16.78 | 76.76 | 15.81 | 74.79 | 17.65 | 64.97 | 14.93 |
|     | 24.0              | 22.4  | 94.84                  | 19.17 | 86.77 | 16.95 | 80.12 | 17.71 | 76.76 | 16.78 | 74.79 | 16.11 | 64.97 | 13.61 |
|     | 27.0              | 25.3  | 94.84                  | 17.22 | 86.77 | 15.15 | 80.12 | 16.16 | 76.76 | 15.26 | 74.79 | 14.68 | 64.97 | 12.08 |
|     | 30.0              | 28.1  | 94.84                  | 15.46 | 86.77 | 13.54 | 80.12 | 14.74 | 76.76 | 13.89 | 74.79 | 13.37 | 66.82 | 11.02 |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.26:32HP heating capacity(continued)

| CR  | Outdoor air temp. |       | Indoor air temp. °C DB |       |       |       |       |       |       |       |       |       |       |       |
|-----|-------------------|-------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|     |                   |       | 16.0                   |       | 18.0  |       | 20.0  |       | 21.0  |       | 22.0  |       | 24.0  |       |
|     | °C DB             | °C WB | TC                     | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    |
| 70% | -30.0             | -30.5 | 44.71                  | 20.64 | 43.98 | 21.25 | 43.01 | 21.38 | 42.13 | 21.05 | 41.71 | 20.97 | 40.86 | 20.76 |
|     | -25.0             | -25.4 | 46.68                  | 21.74 | 46.01 | 22.35 | 45.07 | 22.61 | 44.33 | 22.33 | 43.56 | 22.03 | 41.45 | 21.16 |
|     | -19.8             | -20.0 | 48.02                  | 22.56 | 47.28 | 23.11 | 46.46 | 23.53 | 45.81 | 23.27 | 45.14 | 22.97 | 43.81 | 22.48 |
|     | -18.8             | -19.0 | 48.24                  | 22.68 | 47.49 | 23.23 | 46.72 | 23.72 | 46.07 | 23.43 | 45.43 | 23.17 | 44.13 | 22.67 |
|     | -16.7             | -17.0 | 48.67                  | 22.90 | 47.90 | 23.43 | 47.13 | 23.95 | 46.59 | 23.86 | 45.97 | 23.61 | 44.53 | 22.71 |
|     | -13.7             | -15.0 | 49.08                  | 23.24 | 48.29 | 23.74 | 47.50 | 24.26 | 46.84 | 23.88 | 46.09 | 23.31 | 44.54 | 22.15 |
|     | -11.8             | -13.0 | 49.46                  | 23.36 | 48.65 | 23.86 | 47.56 | 23.63 | 46.83 | 23.07 | 46.09 | 22.51 | 44.54 | 21.32 |
|     | -9.8              | -11.0 | 49.82                  | 23.46 | 48.98 | 23.92 | 47.57 | 22.82 | 46.84 | 22.27 | 46.09 | 21.70 | 44.53 | 20.52 |
|     | -9.5              | -10.0 | 49.99                  | 23.40 | 48.98 | 23.39 | 47.57 | 22.30 | 46.84 | 21.73 | 46.09 | 21.17 | 44.53 | 19.99 |
|     | -8.5              | -9.1  | 50.14                  | 23.46 | 48.98 | 23.02 | 47.56 | 21.93 | 46.84 | 21.39 | 46.08 | 20.79 | 44.54 | 19.65 |
|     | -7.0              | -7.6  | 50.34                  | 23.40 | 48.98 | 22.37 | 47.57 | 21.31 | 46.83 | 20.73 | 46.09 | 20.17 | 44.54 | 19.01 |
|     | -5.0              | -5.6  | 49.43                  | 22.14 | 48.10 | 21.12 | 46.73 | 20.09 | 46.02 | 19.53 | 45.29 | 18.99 | 43.77 | 17.88 |
|     | -3.0              | -3.7  | 50.91                  | 21.67 | 49.53 | 20.65 | 48.09 | 19.55 | 47.35 | 19.03 | 46.59 | 18.48 | 45.00 | 17.48 |
|     | 0.0               | -0.7  | 54.78                  | 21.45 | 53.24 | 20.35 | 51.65 | 19.23 | 50.81 | 18.64 | 49.97 | 18.19 | 48.20 | 17.30 |
|     | 3.0               | 2.2   | 61.04                  | 21.94 | 59.24 | 20.73 | 57.36 | 19.57 | 56.38 | 19.09 | 55.40 | 18.64 | 53.26 | 17.61 |
|     | 5.0               | 4.1   | 66.14                  | 22.48 | 64.09 | 21.15 | 61.96 | 20.07 | 60.84 | 19.54 | 58.87 | 18.77 | 56.85 | 17.84 |
|     | 7.0               | 6.0   | 75.16                  | 24.04 | 72.03 | 22.50 | 70.00 | 21.51 | 67.20 | 20.45 | 64.26 | 19.41 | 56.85 | 16.68 |
|     | 9.0               | 7.9   | 76.04                  | 22.89 | 73.68 | 21.80 | 70.00 | 20.34 | 67.20 | 19.25 | 64.26 | 18.13 | 56.85 | 15.57 |
|     | 11.0              | 9.8   | 78.05                  | 22.24 | 75.97 | 21.28 | 70.10 | 19.28 | 67.20 | 18.27 | 64.26 | 17.14 | 58.54 | 16.96 |
|     | 13.0              | 11.8  | 79.79                  | 21.46 | 75.97 | 20.06 | 70.10 | 18.09 | 67.20 | 17.15 | 64.26 | 16.07 | 58.54 | 15.90 |
| 60% | 15.0              | 13.7  | 82.12                  | 20.88 | 75.97 | 18.89 | 70.10 | 17.04 | 67.20 | 16.16 | 64.26 | 17.10 | 58.54 | 14.93 |
|     | 18.0              | 16.6  | 83.29                  | 19.79 | 77.36 | 18.21 | 70.10 | 17.79 | 67.20 | 16.85 | 64.26 | 15.68 | 58.54 | 13.82 |
|     | 21.0              | 19.5  | 83.29                  | 17.44 | 77.36 | 15.81 | 70.10 | 16.24 | 67.20 | 15.43 | 64.26 | 14.39 | 58.54 | 12.56 |
|     | 24.0              | 22.4  | 83.29                  | 15.67 | 77.36 | 16.71 | 70.10 | 14.81 | 67.20 | 14.06 | 64.26 | 13.27 | 58.54 | 11.45 |
|     | 27.0              | 25.3  | 83.29                  | 16.75 | 77.36 | 15.23 | 70.10 | 13.34 | 67.20 | 12.49 | 64.26 | 11.71 | 58.54 | 10.13 |
|     | 30.0              | 28.1  | 83.29                  | 17.90 | 77.36 | 13.88 | 70.10 | 12.01 | 67.20 | 11.09 | 64.26 | 10.34 | 58.54 | 8.96  |
|     | -30.0             | -30.5 | 40.24                  | 19.60 | 39.20 | 19.54 | 37.81 | 19.01 | 36.61 | 18.50 | 36.07 | 18.36 | 35.02 | 18.05 |
|     | -25.0             | -25.4 | 41.34                  | 20.40 | 40.37 | 20.35 | 39.14 | 19.86 | 38.53 | 19.63 | 37.91 | 19.41 | 36.67 | 18.95 |
|     | -19.8             | -20.0 | 42.30                  | 21.17 | 41.38 | 21.10 | 40.29 | 20.64 | 39.75 | 20.42 | 39.20 | 20.19 | 38.10 | 19.74 |
|     | -18.8             | -19.0 | 42.46                  | 21.28 | 41.57 | 21.25 | 40.51 | 20.83 | 39.97 | 20.59 | 39.42 | 20.35 | 38.17 | 19.56 |
|     | -16.7             | -17.0 | 42.78                  | 21.48 | 41.94 | 21.59 | 40.77 | 20.83 | 40.14 | 20.37 | 39.50 | 19.91 | 38.17 | 18.93 |
|     | -13.7             | -15.0 | 43.07                  | 21.81 | 41.99 | 21.19 | 40.78 | 20.31 | 40.15 | 19.85 | 39.51 | 19.37 | 38.17 | 18.38 |
|     | -11.8             | -13.0 | 43.15                  | 21.31 | 41.99 | 20.45 | 40.78 | 19.58 | 40.15 | 19.10 | 39.51 | 18.64 | 38.17 | 17.66 |
|     | -9.8              | -11.0 | 43.15                  | 20.59 | 41.98 | 19.74 | 40.77 | 18.84 | 40.15 | 18.38 | 39.51 | 17.90 | 38.18 | 17.00 |
|     | -9.5              | -10.0 | 43.15                  | 20.10 | 41.98 | 19.26 | 40.77 | 18.37 | 40.15 | 17.92 | 39.51 | 17.45 | 38.17 | 16.62 |
|     | -8.5              | -9.1  | 43.16                  | 19.79 | 41.99 | 18.93 | 40.77 | 18.04 | 40.14 | 17.58 | 39.51 | 17.11 | 38.18 | 16.34 |
|     | -7.0              | -7.6  | 43.15                  | 19.21 | 41.98 | 18.35 | 40.77 | 17.45 | 40.15 | 17.01 | 39.51 | 16.61 | 38.17 | 15.88 |
|     | -5.0              | -5.6  | 42.37                  | 18.10 | 41.23 | 17.25 | 40.06 | 16.40 | 39.44 | 16.03 | 38.82 | 15.69 | 37.52 | 14.99 |
|     | -3.0              | -3.7  | 43.64                  | 17.64 | 42.45 | 16.80 | 41.22 | 16.03 | 40.59 | 15.69 | 39.93 | 15.35 | 38.58 | 14.67 |
|     | 0.0               | -0.7  | 46.95                  | 17.37 | 45.63 | 16.57 | 44.27 | 15.89 | 43.55 | 15.52 | 42.82 | 15.18 | 41.31 | 14.46 |
|     | 3.0               | 2.2   | 52.32                  | 17.74 | 50.78 | 17.01 | 49.17 | 16.27 | 48.35 | 15.90 | 47.47 | 15.50 | 45.66 | 16.45 |
|     | 5.0               | 4.1   | 56.69                  | 18.25 | 54.94 | 17.45 | 53.11 | 16.65 | 52.18 | 16.27 | 50.46 | 15.59 | 48.73 | 16.62 |
|     | 7.0               | 6.0   | 64.43                  | 19.65 | 61.74 | 18.58 | 60.00 | 17.78 | 57.60 | 16.78 | 55.51 | 15.98 | 48.73 | 15.02 |
|     | 9.0               | 7.9   | 65.17                  | 18.82 | 63.16 | 17.82 | 60.00 | 16.50 | 57.60 | 15.72 | 55.51 | 16.61 | 48.73 | 14.17 |
|     | 11.0              | 9.8   | 66.91                  | 18.23 | 65.12 | 17.49 | 60.12 | 15.60 | 57.60 | 16.49 | 55.51 | 15.64 | 48.73 | 13.28 |
|     | 13.0              | 11.8  | 68.39                  | 17.53 | 65.12 | 16.36 | 60.12 | 16.41 | 57.60 | 15.49 | 55.51 | 14.68 | 48.73 | 12.40 |
|     | 15.0              | 13.7  | 70.39                  | 16.98 | 65.12 | 17.33 | 60.12 | 15.61 | 57.60 | 14.57 | 55.51 | 13.97 | 50.22 | 12.05 |
|     | 18.0              | 16.6  | 70.39                  | 17.69 | 65.12 | 15.93 | 60.12 | 14.21 | 57.60 | 13.46 | 55.51 | 12.59 | 50.22 | 10.98 |
|     | 21.0              | 19.5  | 70.39                  | 16.18 | 65.12 | 14.68 | 60.12 | 12.93 | 57.60 | 12.26 | 55.51 | 11.80 | 50.22 | 9.96  |
|     | 24.0              | 22.4  | 70.39                  | 14.75 | 65.12 | 13.38 | 60.12 | 11.97 | 57.60 | 11.14 | 55.51 | 10.63 | 50.22 | 9.11  |
|     | 27.0              | 25.3  | 70.39                  | 13.45 | 65.12 | 11.81 | 60.12 | 10.42 | 57.60 | 9.84  | 55.51 | 9.23  | 50.22 | 7.92  |
|     | 30.0              | 28.1  | 70.61                  | 12.30 | 65.12 | 10.43 | 60.12 | 9.08  | 57.60 | 8.68  | 55.51 | 8.01  | 50.22 | 6.88  |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

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Table2-8.26:32HP heating capacity(continued)

| CR  | Outdoor air temp. |       | Indoor air temp. °C DB |       |       |       |       |       |       |       |       |       |       |       |
|-----|-------------------|-------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|     |                   |       | 16.0                   |       | 18.0  |       | 20.0  |       | 21.0  |       | 22.0  |       | 24.0  |       |
|     |                   |       | TC                     | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    | TC    | PI    |
|     | °C DB             | °C WB | kW                     | kW    | kW    | kW    | kW    | kW    | kW    | kW    | kW    | kW    | kW    | kW    |
| 50% | -30.0             | -30.5 | 34.11                  | 17.07 | 33.07 | 16.67 | 32.06 | 16.41 | 31.65 | 16.39 | 31.23 | 16.43 | 30.43 | 16.56 |
|     | -25.0             | -25.4 | 34.99                  | 17.76 | 34.04 | 17.38 | 33.09 | 17.04 | 32.62 | 16.86 | 32.13 | 16.69 | 31.15 | 16.36 |
|     | -19.8             | -20.0 | 35.76                  | 18.40 | 34.89 | 18.05 | 33.98 | 17.61 | 33.46 | 17.26 | 32.92 | 16.88 | 31.81 | 16.11 |
|     | -18.8             | -19.0 | 35.90                  | 18.53 | 34.99 | 18.04 | 33.97 | 17.34 | 33.45 | 16.97 | 32.92 | 16.60 | 31.81 | 15.83 |
|     | -16.7             | -17.0 | 35.96                  | 18.17 | 34.99 | 17.48 | 33.98 | 16.77 | 33.46 | 16.41 | 32.92 | 16.04 | 31.81 | 15.43 |
|     | -13.7             | -15.0 | 35.96                  | 17.68 | 34.99 | 17.01 | 33.97 | 16.28 | 33.46 | 15.93 | 32.93 | 15.58 | 31.81 | 15.06 |
|     | -11.8             | -13.0 | 35.96                  | 17.05 | 34.99 | 16.37 | 33.98 | 15.64 | 33.46 | 15.32 | 32.93 | 15.07 | 31.81 | 14.51 |
|     | -9.8              | -11.0 | 35.97                  | 16.40 | 34.99 | 15.69 | 33.97 | 15.04 | 33.45 | 14.79 | 32.92 | 14.53 | 31.82 | 13.99 |
|     | -9.5              | -10.0 | 35.96                  | 15.98 | 34.99 | 15.31 | 33.98 | 14.73 | 33.46 | 14.45 | 32.92 | 14.20 | 31.81 | 13.64 |
|     | -8.5              | -9.1  | 35.96                  | 15.68 | 34.99 | 15.00 | 33.98 | 14.48 | 33.46 | 14.22 | 32.92 | 13.95 | 31.81 | 13.41 |
|     | -7.0              | -7.6  | 35.96                  | 15.18 | 34.99 | 14.57 | 33.98 | 14.09 | 33.45 | 13.81 | 32.93 | 13.55 | 31.81 | 12.99 |
|     | -5.0              | -5.6  | 35.31                  | 14.26 | 34.36 | 13.77 | 33.37 | 13.28 | 32.87 | 13.03 | 32.35 | 12.77 | 31.27 | 12.26 |
|     | -3.0              | -3.7  | 36.37                  | 13.97 | 35.38 | 13.47 | 34.36 | 13.00 | 33.82 | 12.73 | 33.28 | 12.46 | 32.14 | 13.28 |
|     | 0.0               | -0.7  | 39.13                  | 13.86 | 38.04 | 13.36 | 36.89 | 12.82 | 36.29 | 12.55 | 35.69 | 13.71 | 34.43 | 13.08 |
|     | 3.0               | 2.2   | 43.60                  | 14.23 | 42.32 | 13.69 | 40.97 | 14.69 | 40.28 | 14.36 | 39.56 | 14.01 | 38.05 | 13.28 |
|     | 5.0               | 4.1   | 47.25                  | 14.60 | 45.78 | 13.99 | 44.25 | 15.01 | 43.46 | 14.64 | 42.05 | 14.10 | 40.61 | 13.00 |
|     | 7.0               | 6.0   | 53.71                  | 15.68 | 51.45 | 16.16 | 50.00 | 15.31 | 48.18 | 14.53 | 46.04 | 13.69 | 40.61 | 11.65 |
|     | 9.0               | 7.9   | 54.32                  | 14.66 | 52.63 | 15.54 | 50.00 | 14.42 | 48.18 | 13.72 | 46.04 | 12.92 | 40.61 | 11.05 |
|     | 11.0              | 9.8   | 55.75                  | 15.88 | 52.63 | 14.62 | 50.00 | 13.51 | 48.18 | 12.87 | 46.04 | 12.09 | 40.61 | 10.43 |
|     | 13.0              | 11.8  | 56.99                  | 15.24 | 52.63 | 13.72 | 50.00 | 12.65 | 48.18 | 11.98 | 46.04 | 11.33 | 40.61 | 9.79  |
|     | 15.0              | 13.7  | 58.66                  | 15.09 | 52.63 | 12.86 | 50.00 | 11.88 | 48.18 | 11.32 | 46.04 | 10.71 | 41.73 | 9.41  |
|     | 18.0              | 16.6  | 58.66                  | 13.58 | 52.63 | 11.75 | 50.00 | 10.83 | 48.18 | 10.37 | 46.04 | 9.71  | 41.73 | 8.47  |
|     | 21.0              | 19.5  | 58.66                  | 12.37 | 54.26 | 11.04 | 50.00 | 9.83  | 48.18 | 9.31  | 46.04 | 8.71  | 41.73 | 7.56  |
|     | 24.0              | 22.4  | 58.66                  | 11.33 | 54.26 | 10.20 | 50.00 | 8.95  | 48.18 | 8.36  | 46.04 | 7.82  | 41.73 | 6.85  |
|     | 27.0              | 25.3  | 58.66                  | 9.89  | 54.26 | 8.82  | 50.00 | 7.80  | 48.18 | 7.30  | 46.04 | 6.86  | 41.73 | 6.14  |
|     | 30.0              | 28.1  | 58.66                  | 8.64  | 54.26 | 7.63  | 50.11 | 6.81  | 48.18 | 6.37  | 46.04 | 6.02  | 41.73 | 5.51  |

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

### 8.3 Capacity Correction Factors for Piping Length and Level Difference

Figure 2-8.1: Rate of change in cooling capacity

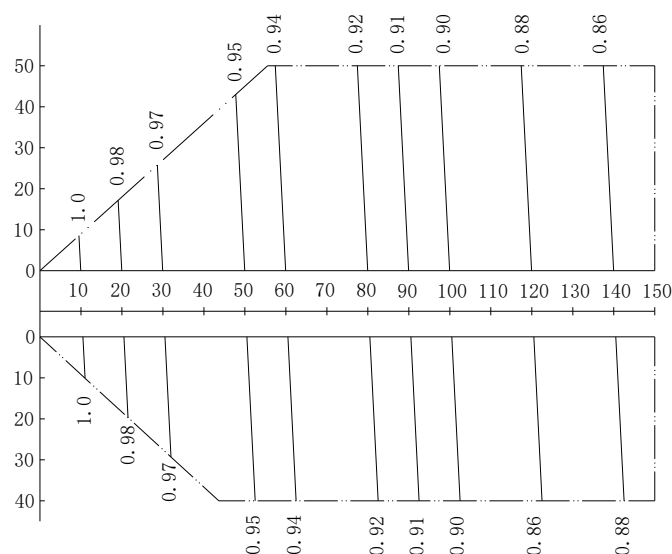
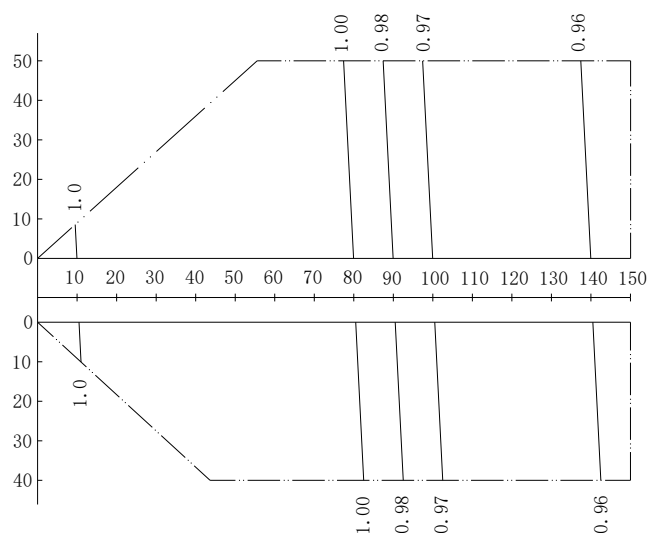


Figure 2-8.2: Rate of change in heating capacity



**Notes:**

1. The horizontal axis shows equivalent length of piping between farthest indoor unit and first outdoor branch joint; the vertical axis shows the largest level difference between indoor unit and outdoor unit. For level differences, positive values indicate that the outdoor unit is above the indoor unit, negative values indicate that the outdoor unit is below the indoor unit.
2. These figures illustrate the rate of change in capacity of a system with only standard indoor units at maximum load (with the thermostat set to maximum) under standard conditions. Under partial load conditions there is only a minor deviation from the rate of change in capacity shown in these figures.
3. The capacity of the system is either the total capacity of the indoor units obtained from indoor unit capacity tables or the corrected capacity of the outdoor units as per the calculations below, whichever is smaller.

|                                     |   |                                                                                               |   |                            |
|-------------------------------------|---|-----------------------------------------------------------------------------------------------|---|----------------------------|
| Corrected capacity of outdoor units | = | Capacity of outdoor units obtained from outdoor unit capacity tables at the combination ratio | x | Capacity correction factor |
|-------------------------------------|---|-----------------------------------------------------------------------------------------------|---|----------------------------|

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### 8.4 Capacity Correction Factors for Frost Accumulation

The heating capacity tables do not take account of the reduction in capacity when frost has accumulated or while the defrosting operation is in progress. If snow has accumulated against the outside surface of the outdoor unit heat exchanger heating capacity is reduced. The reduction in heating capacity is dependent on a number of factors including the outdoor temperature, the relative humidity and the amount of frosting which has occurred.

Corrected heating capacity values, which take these factors into account, can be calculated as follows, using the correction factors for frost accumulation given in Table 2-8.27:

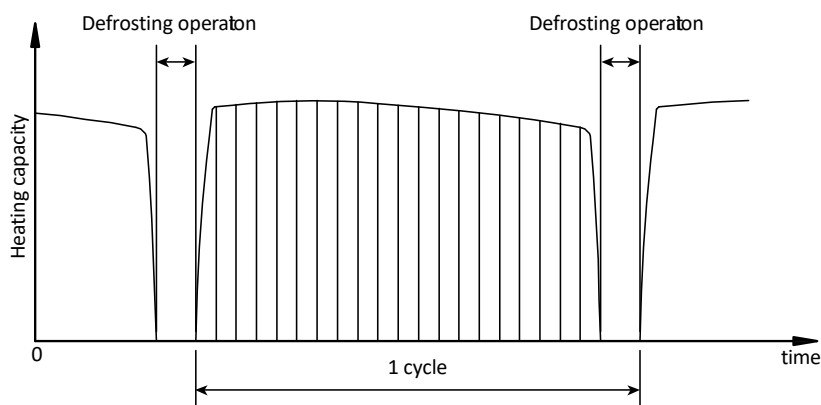
$$\text{Corrected heating capacity} = \text{Value given in outdoor heating capacity table} \times \text{Correction factor for frost accumulation}$$

Table 2-8.19: Correction factor for frost accumulation

| Heat exchanger inlet port temperature (°C / RH 85%) | -7   | -5   | -2   | 0   | 2    | 5    | 7 |
|-----------------------------------------------------|------|------|------|-----|------|------|---|
| Correction factor for frost accumulation            | 0.94 | 0.93 | 0.89 | 0.8 | 0.83 | 0.88 | 1 |

Corrected heating capacities express the heating capacity over the heating/defrosting cycle shown in Figure 2-8.3.

Figure 2-8.3: Defrosting cycle





## 9 Operating Limits

Figure 2-9.1: Cooling operating limits

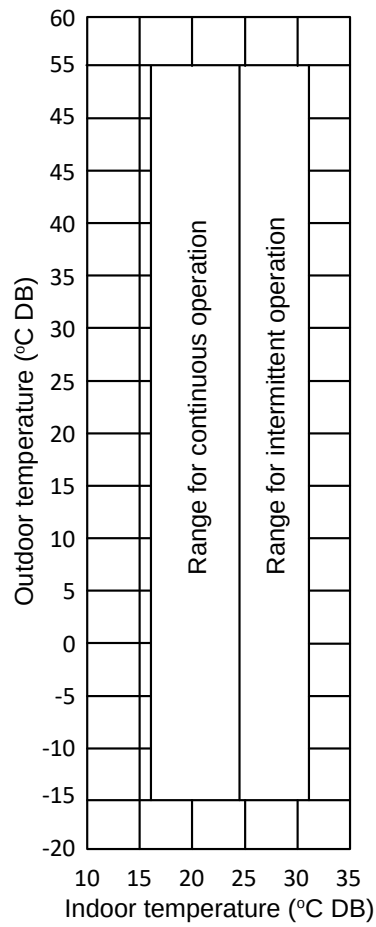
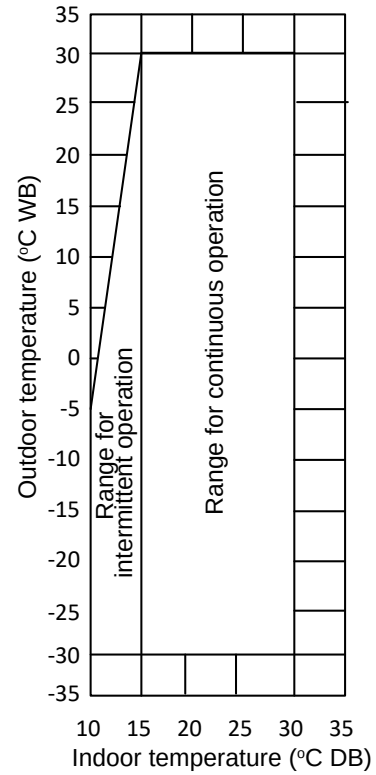


Figure 2-9.2: Heating operating limits



Notes:

- These figures assume the following operating conditions:
  - Equivalent piping length: 5m
  - Level difference: 0

# V8 PRO VRF 50Hz



## 10 Sound Levels

### 10.1 Overall

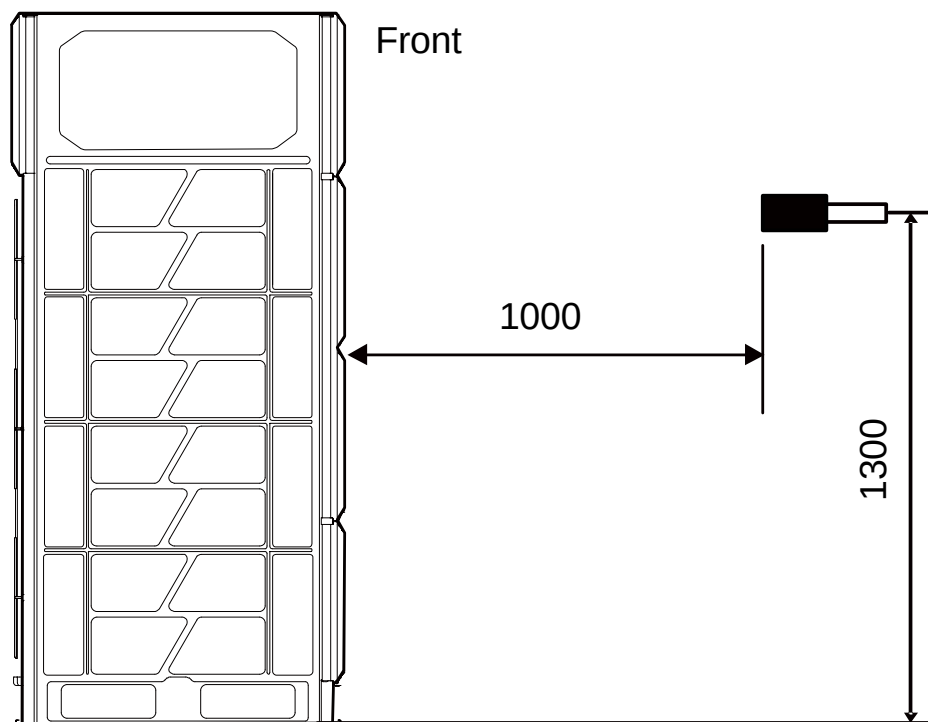
Table 2-10.1: Sound pressure level

| Model | dB(A) | Model | dB(A) | Model | dB(A) |
|-------|-------|-------|-------|-------|-------|
| 8HP   | 58    | 38HP  | 69    | 68HP  | 72    |
| 10HP  | 58    | 40HP  | 69    | 70HP  | 72    |
| 12HP  | 61    | 42HP  | 69    | 72HP  | 72    |
| 14HP  | 65    | 44HP  | 69    | 74HP  | 72    |
| 16HP  | 65    | 46HP  | 70    | 76HP  | 72    |
| 18HP  | 65    | 48HP  | 70    | 78HP  | 72    |
| 20HP  | 66    | 50HP  | 70    | 80HP  | 72    |
| 22HP  | 66    | 52HP  | 70    | 82HP  | 72    |
| 24HP  | 67    | 54HP  | 70    | 84HP  | 72    |
| 26HP  | 68    | 56HP  | 71    | 86HP  | 72    |
| 28HP  | 68    | 58HP  | 71    | 88HP  | 72    |
| 30HP  | 68    | 60HP  | 71    | 90HP  | 73    |
| 32HP  | 68    | 62HP  | 71    | 92HP  | 73    |
| 34HP  | 69    | 64HP  | 71    | 94HP  | 73    |
| 36HP  | 69    | 66HP  | 71    | 96HP  | 73    |

Notes:

1. Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber. During in-situ operation, sound pressure levels may be higher as a result of ambient noise.

Figure 2-10.1: Sound pressure level measurement (unit: mm)



## 10.2 Octave Band Levels

Figure 2-10.2: 8HP octave band level

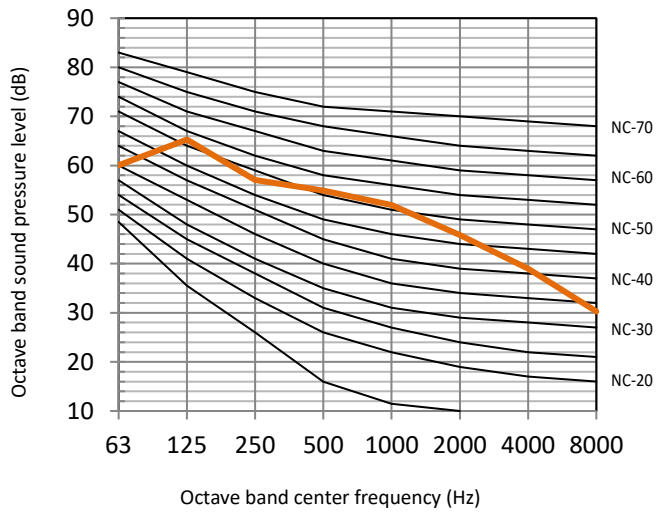


Figure 2-10.3: 10HP octave band level

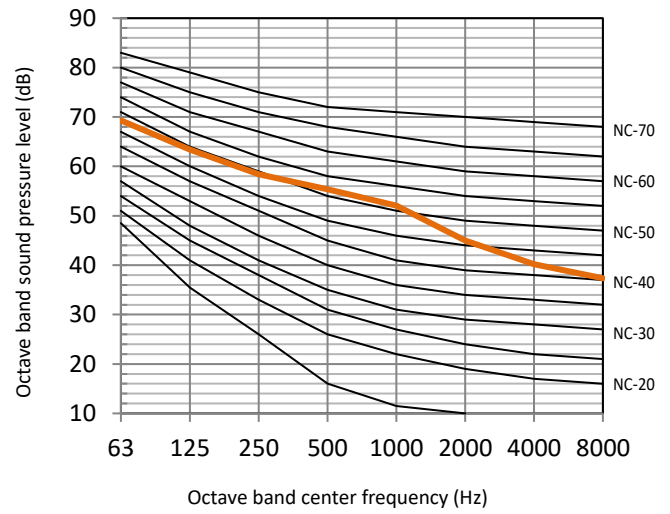


Figure 2-10.4: 12HP octave band level

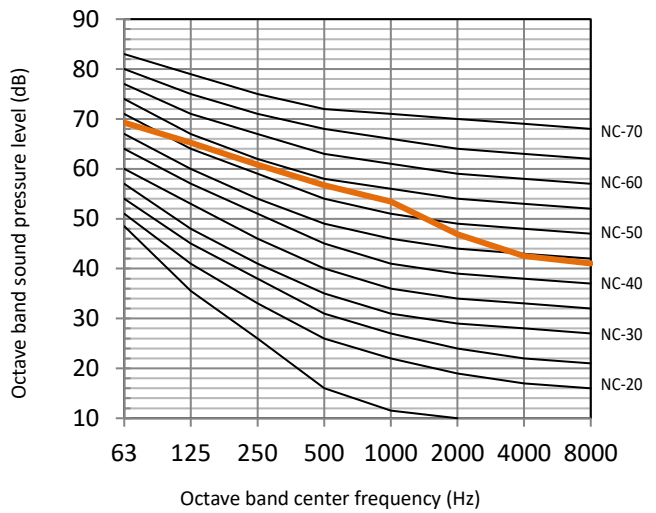


Figure 2-10.5: 14HP octave band level

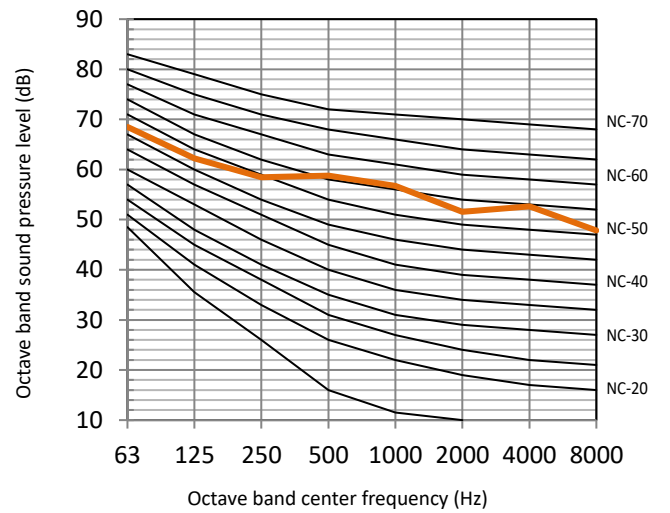


Figure 2-10.6: 16HP octave band level

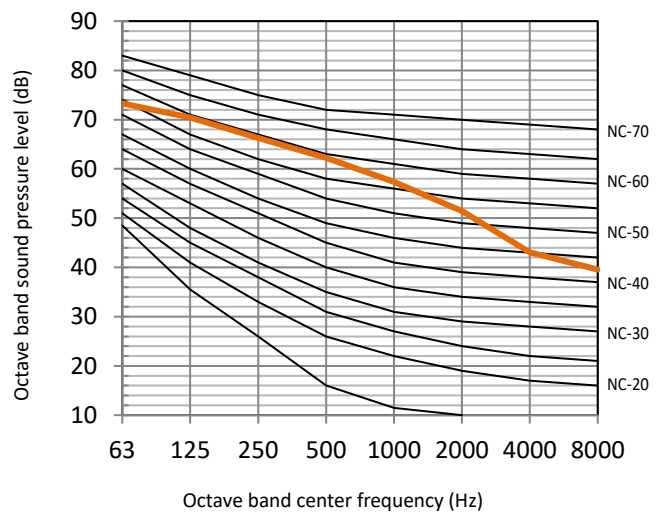
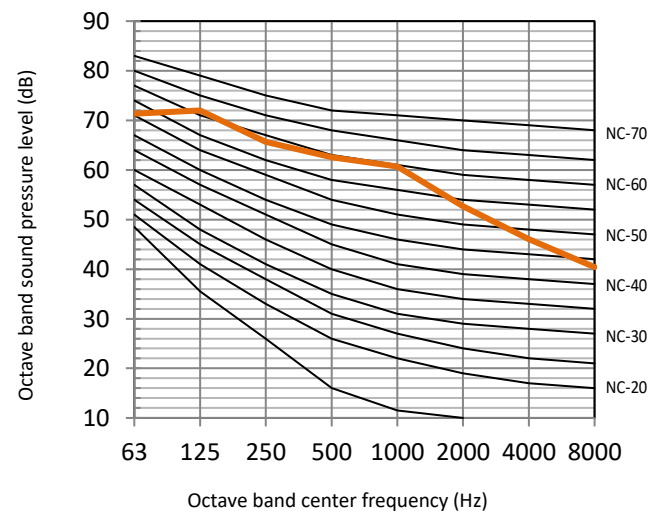


Figure 2-10.7: 18HP octave band level



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Figure 2-10.8: 20HP octave band level

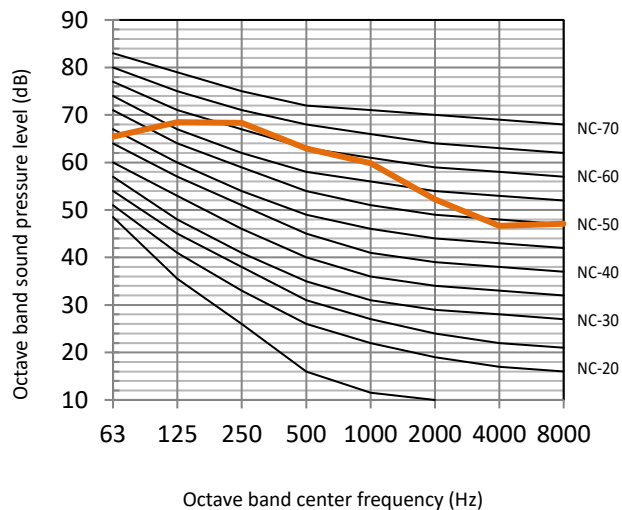


Figure 2-10.9: 22HP octave band level

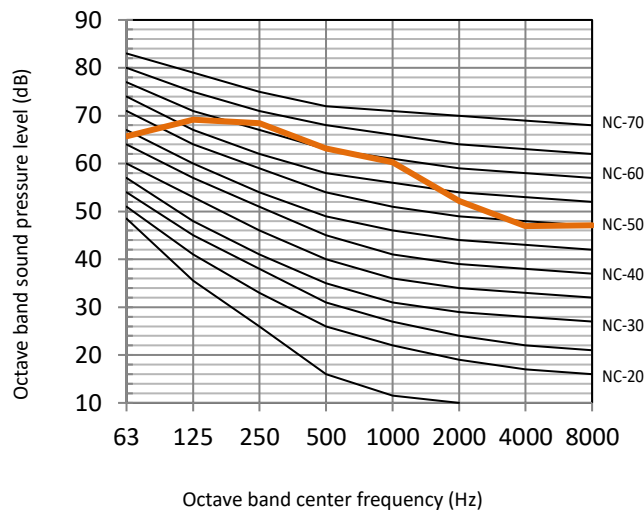


Figure 2-10.10: 24HP octave band level

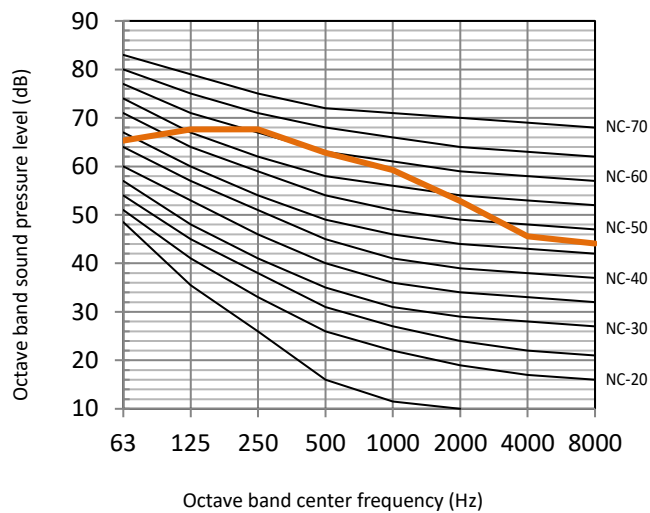


Figure 2-10.11: 26HP octave band level

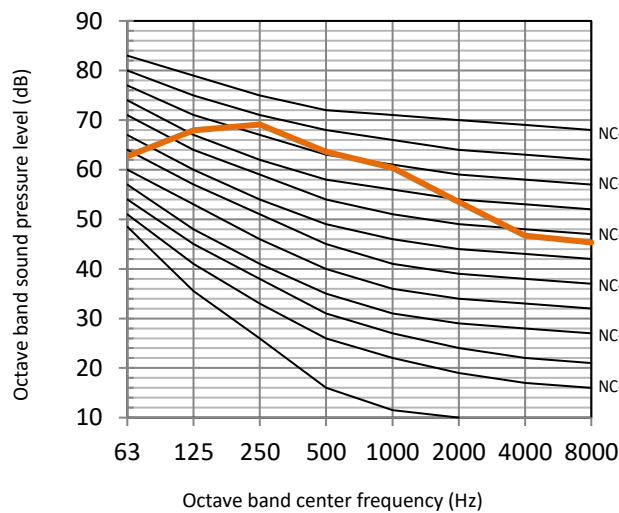


Figure 2-10.12: 28HP octave band level

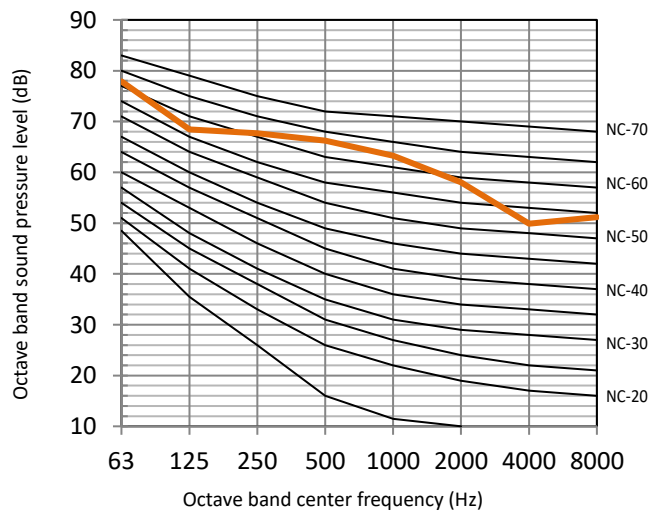


Figure 2-10.13: 30HP octave band level

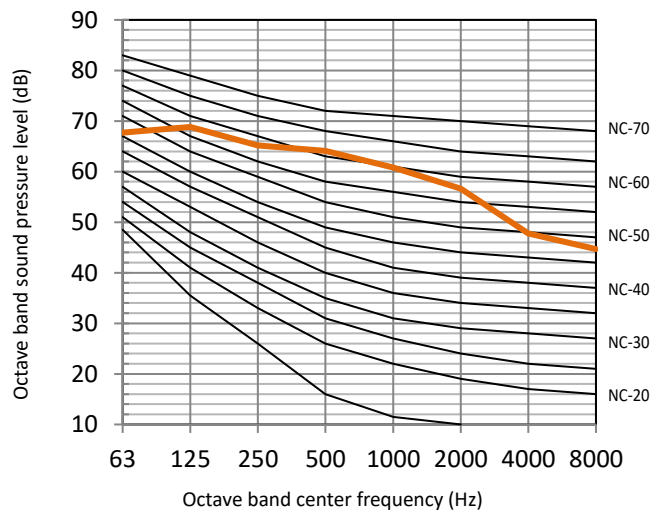
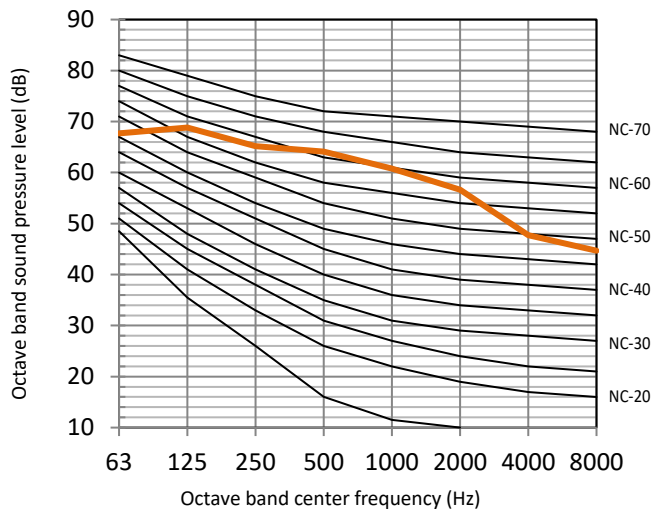


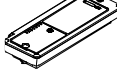
Figure 2-10.14: 32HP octave band level



## 11 Accessories

### 11.1 Standard Accessories

Table 2-11.1: Standard accessories

| Name                            | Shape                                                                               | Quantity | Function                          |
|---------------------------------|-------------------------------------------------------------------------------------|----------|-----------------------------------|
| Owner's and installation manual |  | 1        |                                   |
| Erp information                 |  | 1        |                                   |
| L-shaped connection pipe        |  | 2        | To connect gas and liquid pipes   |
| Wrench                          |  | 1        | Removing the side plate screws    |
| Build-out resistor              |  | 1        | Enhances communication stability  |
| Bluetooth Module                |  | 1        | Refer to attached manual          |
| Magnetic ring                   |  | 1        | Improve communication reliability |

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## L-shaped pipe

Figure 2-11.1: L-shaped pipe size (unit: mm)

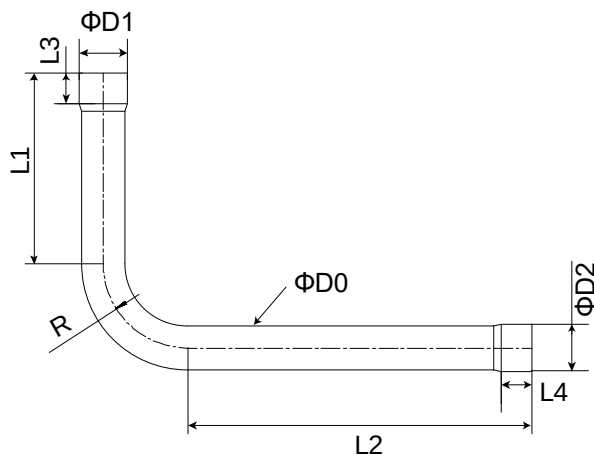


Figure 2-11.2: L-shaped pipe size (unit: mm)

| HP      | PIPE        | Φ D0(OD) | L1  | L2  | L3 | L4 | Φ D1(ID) | Φ D2(ID) | R  |
|---------|-------------|----------|-----|-----|----|----|----------|----------|----|
| 8-12HP  | Gas pipe    | 25.4     | 130 | 230 | 20 | 20 | 25.4     | 25.4     | 50 |
|         | Liquid pipe | 12.7     | 160 | 265 | 15 | 15 | 12.7     | 12.7     | 25 |
| 14-16HP | Gas pipe    | 28.6     | 125 | 225 | 20 | 20 | 28.6     | 28.6     | 55 |
|         | Liquid pipe | 15.9     | 155 | 255 | 15 | 15 | 15.9     | 15.9     | 30 |
| 18-24HP | Gas pipe    | 31.8     | 130 | 220 | 25 | 20 | 28.6     | 31.8     | 60 |
|         | Liquid pipe | 19.1     | 162 | 245 | 15 | 15 | 15.9     | 19.1     | 40 |
| 26HP    | Gas pipe    | 31.8     | 130 | 130 | 25 | 25 | 31.8     | 31.8     | 60 |
|         | Liquid pipe | 22.2     | 165 | 165 | 20 | 20 | 22.2     | 22.2     | 40 |
| 28-32HP | Gas pipe    | 38.1     | 155 | 115 | 20 | 20 | 34.9     | 38.1     | 80 |
|         | Liquid pipe | 22.2     | 165 | 165 | 20 | 20 | 22.2     | 22.2     | 40 |

## 11.2 Optional Accessories

Table 2-11.3: Optional accessories

| Optional accessories      | Model       | Packed dimensions (mm) | Net/gross weight (kg) | Function                                                                                 |
|---------------------------|-------------|------------------------|-----------------------|------------------------------------------------------------------------------------------|
| Outdoor branch joint kits | FQZHW-02N1E | 255×150×185            | 1.8 / 2.0             | Distribute refrigerant to indoor units and balance flow resistance between outdoor units |
|                           | FQZHW-02N1G | 405×120×270            | 2.3 / 2.8             |                                                                                          |
|                           | FQZHW-03N1E | 345×160×285            | 3.7 / 4.3             |                                                                                          |
|                           | FQZHW-03N1G | 585×340×140            | 4.2 / 5.0             |                                                                                          |
| Indoor branch joint kits  | FQZHN-01D   | 290×105×100            | 0.3 / 0.4             |                                                                                          |
|                           | FQZHN-02D   | 290×105×100            | 0.4 / 0.6             |                                                                                          |
|                           | FQZHN-03D   | 310×130×125            | 0.6 / 0.9             |                                                                                          |
|                           | FQZHN-04D   | 350×170×180            | 1.1 / 1.5             |                                                                                          |
|                           | FQZHN-05D   | 365×195×215            | 1.4 / 1.9             |                                                                                          |
|                           | FQZHN-06D   | 390×230×255            | 2.5 / 3.1             |                                                                                          |
|                           | FQZHN-07D   | 390×230×255            | 2.8 / 3.4             |                                                                                          |

# Part 3

## System Design and Installation

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## 1 Preface to Part 3

### 1.1 Notes for Installers Boxes

The information contained in this Engineering Data Book may primarily be of use during the system design stage of a Midea V8 PRO Series VRF project. Additional important information which may primarily be of use during field installation has been placed in boxes, such as the example below, titled “Notes for installers”.

#### Notes for installers



- Notes for installers boxes contain important information which may primarily be of use during field installation, rather than during desk-based system design.

### 1.2 Definitions

In this Engineering Data Book, the term “applicable legislation” refers to all national, local and other laws, standards, codes, rules, regulations and other legislation that apply in a given situation.

### 1.3 Precautions

All system installation including installation of piping and electrical works must only be carried out by competent and suitably qualified, certified and accredited professionals and in accordance with all applicable legislation.

## 2 Unit Placement and Installation

### 2.1 Outdoor Units

#### 2.1.1 Placement considerations

Placement of outdoor units should take account of the following considerations:

- Air conditioners should not be exposed to direct radiation from a high-temperature heat source.
- Air conditioners should not be installed in positions where dust or dirt may affect heat exchangers.
- Air conditioners should not be installed in locations where exposure to oil or to corrosive or harmful gases, such as acidic or alkaline gases, may occur.
- Air conditioners should not be installed in locations where exposure to salinity may occur unless the anti-corrosion treatment for high-salinity areas customization option has been added and the precautions described in Part 3, 10 “Installation in Areas of High Salinity” are taken.
- Outdoor units should be installed in well-drained, well-ventilated positions that are as close as possible to the indoor units.

#### 2.1.2 Spacing

Outdoor units must be spaced such that sufficient air may flow through each unit. See Part 2-3 “Installation Space Requirements” for details about the spacing requirements in different scenarios.

If the particular circumstances of an installation require a unit to be placed closer to a wall than specified in *Figure 2-3.1* to *Figure 2-3.4*, a discharge duct should be installed. Refer to Part 3, 3 “Outdoor Unit Ducting and Shielding”. Depending on the height of adjacent walls relative to the height of the units, ducting may be required. Refer to Part 3, 3 “Outdoor Unit Ducting and Shielding”.

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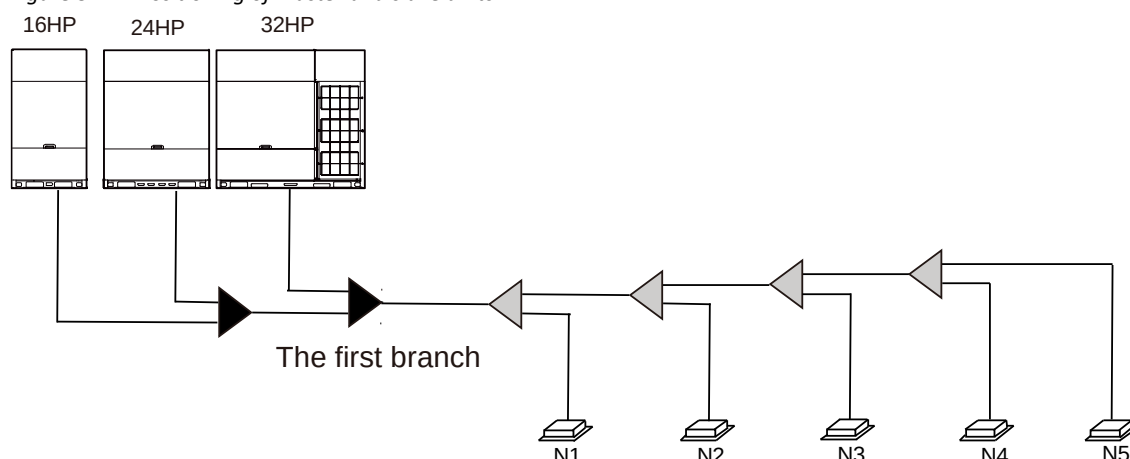
### 2.1.3 Master and slave unit positioning

In systems with multiple outdoor units, the units should be placed in order from largest capacity unit to smallest capacity unit. The largest capacity unit must be placed on the first branch, and be set as the master unit, while the others should be set as slave units. Refer to the V8 PRO Service Manual, Part 4 for details of how to set units as master/slave.

The example in Figure 3-2.1 illustrates the placing of units in a 72 (32+24+16) HP combination:

- Place the 32HP unit on the first branch and set it as the master unit.
- Place the 24HP and 16HP units on the next branches and set them as slave units.

Figure 3-2.1: Positioning of master and slave units



### 2.1.4 Base structures

Outdoor unit base structure design should take account of the following considerations:

- The base of the outdoor unit must use the solid concrete surface as the cement base or the steel beam frame base.
- The base must be completely level to ensure that every point of contact is even.
- During installation, make sure the base supports the vertical folds of the front and back under plates of the chassis directly as the vertical folds of the front and back under plates are unit where the actual support for the unit load is.
- No gravel layer is required when the base is built on the roof surface, but the sand and cement on the concrete surface must be level, and the base should be chamfered along the edge.
- A water drainage ditch should be set around the base to drain the water around the equipment. Potential risk: slip.
- Check the load-bearing capacity of the roof to make sure it can support the load.
- When you choose to install the piping from the bottom, the base height should be above 200mm.
- Make sure the base where the unit is installed is strong enough to prevent vibrations and noise.
- Use six ground bolts (M8) to secure the unit in place. Best is to screw in the ground bolt until it is embedded in the base surface by at least 3 threads.
- Please refer to the Figure 3-2.3 below for the installation position of expansion bolts.

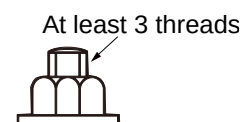


Figure 3-2.2: Outdoor unit typical concrete base structure design (unit: mm)

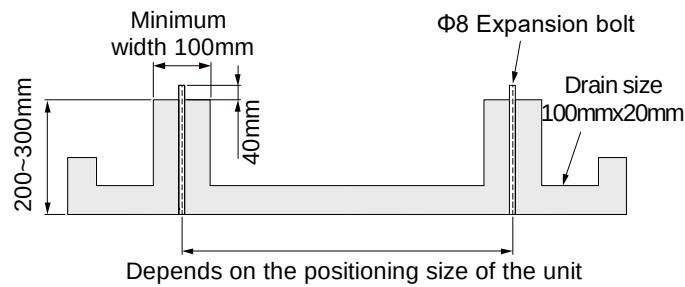


Figure 3-2.3 : Expansion bolt positioning

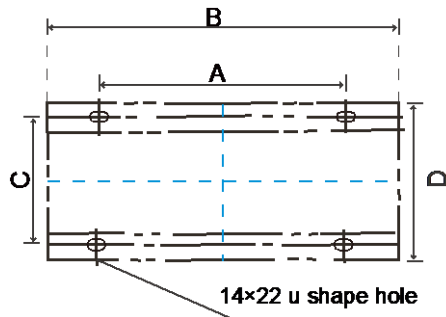


Table 3-2.1: Expansion bolt spacings (unit: mm)

| Dimension | 8-16HP | 18-24HP | 26-32HP |
|-----------|--------|---------|---------|
| A         | 705    | 1105    | 1645    |
| B         | 960    | 1360    | 1900    |
| C         | 710    | 710     | 710     |
| D         | 850    | 850     | 850     |

### 2.1.5 Acceptance and unpacking

#### Notes for installers



- When units are delivered check whether any damage occurred during shipment. If there is damage to the surface or outside of a unit, submit a written report to the shipping company.
- Check that the model, specifications and quantity of the units delivered are as ordered.
- Check that all accessories ordered have been included. Retain the Installation and Owner's Manual for future reference.

### 2.1.6 Hoisting

#### Notes for installers



- Do not remove any packaging before hoisting. If units are not packaged or if the packaging is damaged, use suitable boards or packing material to protect the units.
- Hoist one unit at a time, using two ropes to ensure stability.
- Keep units upright during hoisting, ensuring that the angle to the vertical does not exceed 30°.
- It is better to use a crane and two long belts to lift the unit as per Figure 3-2.4.
- Handle the unit carefully to protect it, and note the position of the center of gravity of the unit.

Figure 3-2.4: Hoisting

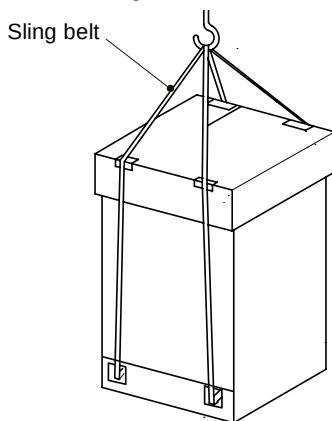


Figure 3-2.5: 8-16HP Center of gravity

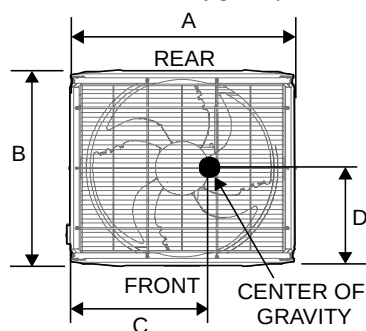


Figure 3-2.9: 18-32HP Center of gravity

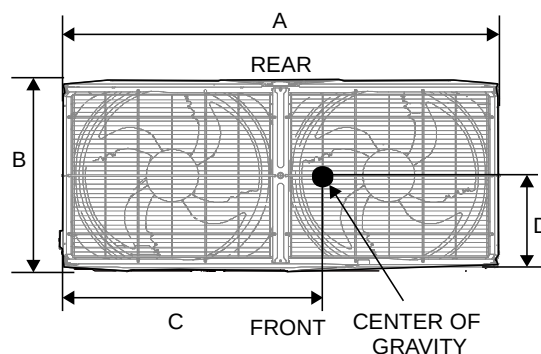


Table 3-2.2: Center of gravity (unit: mm)

| Dimension | 8-12HP | 14-16HP | 18-20HP | 22-24HP | 26HP | 28-32HP |
|-----------|--------|---------|---------|---------|------|---------|
| A         | 940    | 940     | 1340    | 1340    | 1880 | 1880    |
| B         | 825    | 825     | 825     | 825     | 825  | 825     |
| C         | 504    | 466     | 610     | 651     | 885  | 825     |
| D         | 453    | 507     | 492     | 448     | 441  | 456     |

## 2.2 Indoor Units

### 2.2.1 Placement considerations

Placement of indoor units should take account of the following considerations:

- Sufficient space for drain piping and for access during servicing and maintenance should be allowed.
- To ensure a good cooling/heating effect, short-circuit ventilation (where outlet air returns quickly to a unit's air inlet) should be avoided.
- To prevent excessive noise or vibration during operation, suspension rods or other weight-bearing fixings should typically be able to bear twice the unit's weight.

### Notes for installers



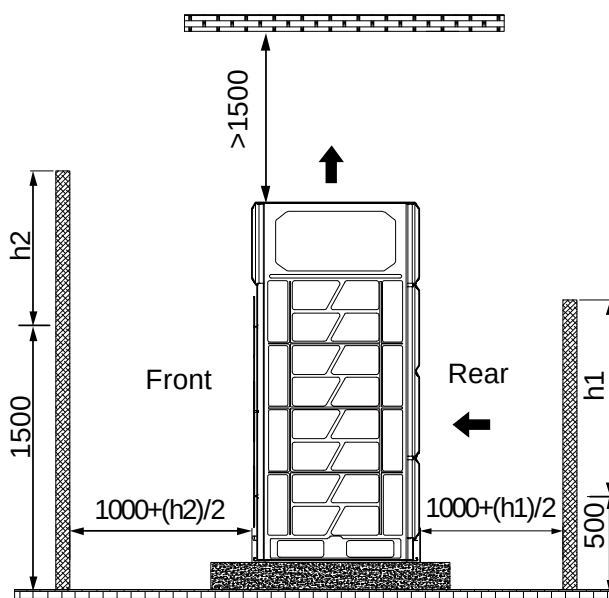
- Before installing an indoor unit, check that the model to be installed is as specified in the construction drawings and confirm the correct orientation of the unit.
- Ensure that units are installed at the correct height.
- To allow smooth condensate drainage and to ensure unit stability (to prevent excessive noise or vibration), ensure that units are level to within 1° of the horizontal. If a unit is not level to within 1° of the horizontal, water leakage or abnormal vibration/noise may occur.

### 3 Outdoor Unit Ducting and Shielding

#### 3.1 Ducting Requirements

Depending on the height of adjacent walls relative to the height of the units, ducting may be required to ensure proper air discharge. In the situation depicted in Figure 3-3.1, when the space over the unit is less than 1500mm, ducting is required to ensure proper air discharge. When the space over the unit is greater than 1500mm, ducting may be required if the air discharge is not smooth.

Figure 3-3.1: Top of unit below top of adjacent wall unit (mm)

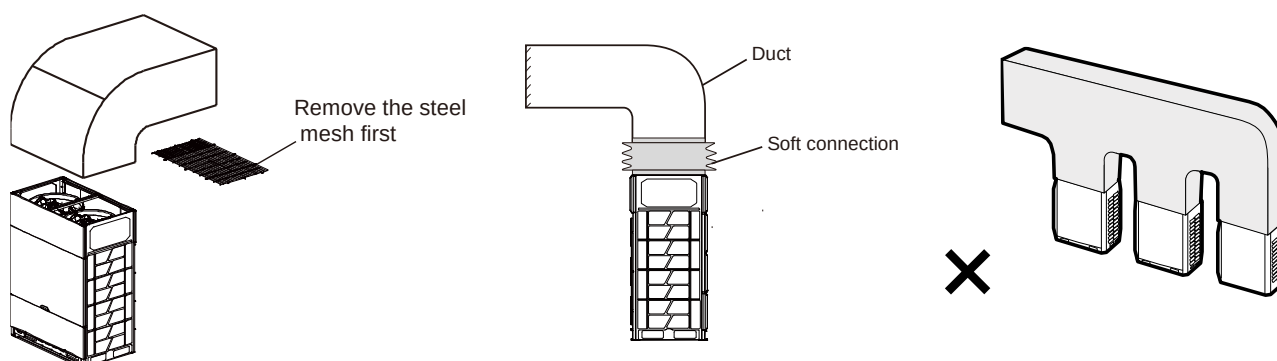


#### 3.2 Design Considerations

Outdoor unit ducting design should take account of the following:

- Before installing outdoor unit ducting, be sure to remove the unit's steel mesh cover; otherwise, airflow will be adversely affected.
- Each duct should contain no more than one bend.
- Vibration isolation should be added to the connection between the unit and the ducting to avoid vibration/noise.
- If more than one outdoor units need ducting, each outdoor unit should have independent ducting, it cannot share one ducting for more than one outdoor units.
- Installing louvers is required as doing for safety, they should be installed at an angle no greater than  $15^\circ$  to the horizontal, to minimize the impact on airflow.
- According to the actual static pressure of the outdoor unit ducting, select an appropriate static pressure mode.

Figure 3-3.2: Ducting requirements



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### 3.3 Transverse Ducting

Figure 3-3.3: Transverse ducting (unit: mm)

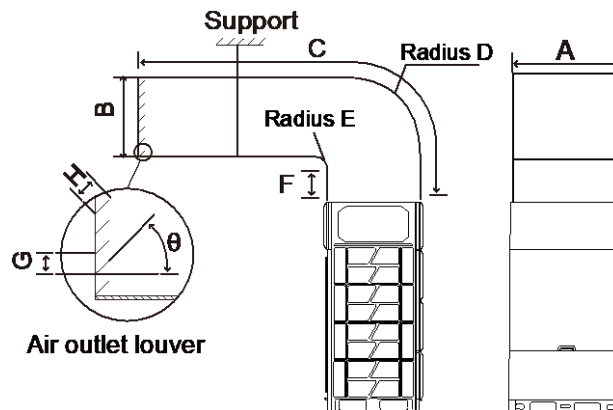


Table 3-3.1: Duct dimensions (unit: mm)

|          | 8-16HP                 | 18-24HP                | 26-32HP                |
|----------|------------------------|------------------------|------------------------|
| A        | 800                    | 1290                   | 1680                   |
| B        | $770 \leq B \leq 800$  | $770 \leq B \leq 800$  | $770 \leq B \leq 800$  |
| C        | $\leq 3000$            | $\leq 3000$            | $\leq 3000$            |
| D        | $E+770$                | $E+770$                | $E+770$                |
| E        | $\geq 300$             | $\geq 300$             | $\geq 300$             |
| F        | $\geq 250$             | $\geq 250$             | $\geq 250$             |
| $\theta$ | $\theta \leq 15^\circ$ | $\theta \leq 15^\circ$ | $\theta \leq 15^\circ$ |
| G        | $\geq 100$             | $\geq 100$             | $\geq 100$             |
| H        | $\leq 90$              | $\leq 90$              | $\leq 90$              |

Table 3-3.2: External static pressure

| ESP (Pa) | Remarks                                         |
|----------|-------------------------------------------------|
| 0        | Factory default                                 |
| 0 – 20   | Remove steel mesh and connect to duct < 3m long |
| > 20     | Customization option                            |

### 3.4 Longitudinal Ducting

Figure 3-3.4: Longitudinal ducting units (unit: mm)

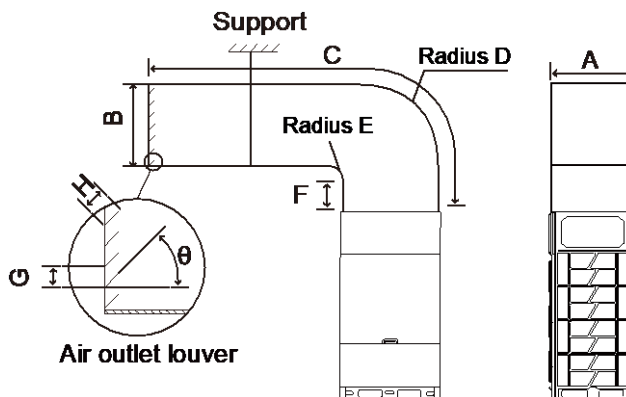


Table 3-3.3: Duct dimensions (unit: mm)

|          | 8-16HP                 | 18-24HP                | 26-32HP                |
|----------|------------------------|------------------------|------------------------|
| A        | 770                    | 770                    | 770                    |
| B        | 820                    | 1310                   | 1700                   |
| C        | $\leq 3000$            | $\leq 3000$            | $\leq 3000$            |
| D        | $E+800$                | $E+1290$               | $E+1680$               |
| E        | $\geq 300$             | $\geq 300$             | $\geq 300$             |
| F        | $\geq 250$             | $\geq 250$             | $\geq 250$             |
| $\theta$ | $\theta \leq 15^\circ$ | $\theta \leq 15^\circ$ | $\theta \leq 15^\circ$ |
| G        | $\geq 100$             | $\geq 100$             | $\geq 100$             |
| H        | $\leq 90$              | $\leq 90$              | $\leq 90$              |

Table 3-3.4: External static pressure

| ESP (Pa) | Remarks                                         |
|----------|-------------------------------------------------|
| 0        | Factory default                                 |
| 0 – 20   | Remove steel mesh and connect to duct < 3m long |
| > 20     | Customization option                            |



### 3.5 Fan Performance

The default external static pressure of outdoor units' air outlets is zero. With the steel mesh cover removed the external static pressure is 20Pa. Static pressure exceeds 20Pa needs to be customized.

Figure 3-3.5: 8-12HP units fan performance

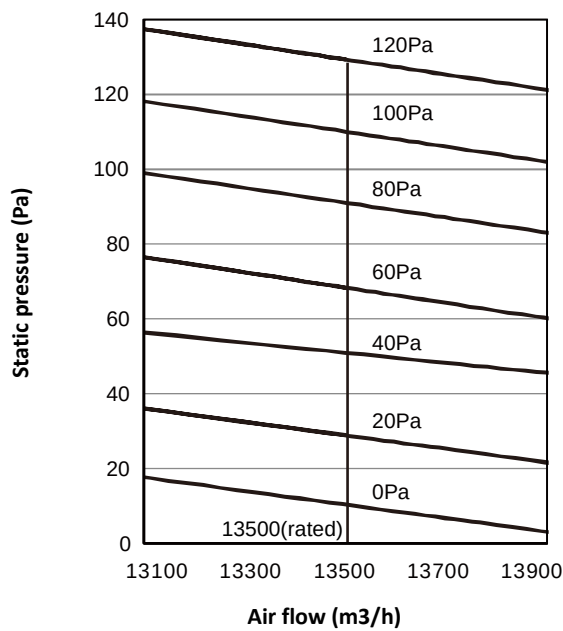


Figure 3-3.6: 14-16HP units fan performance

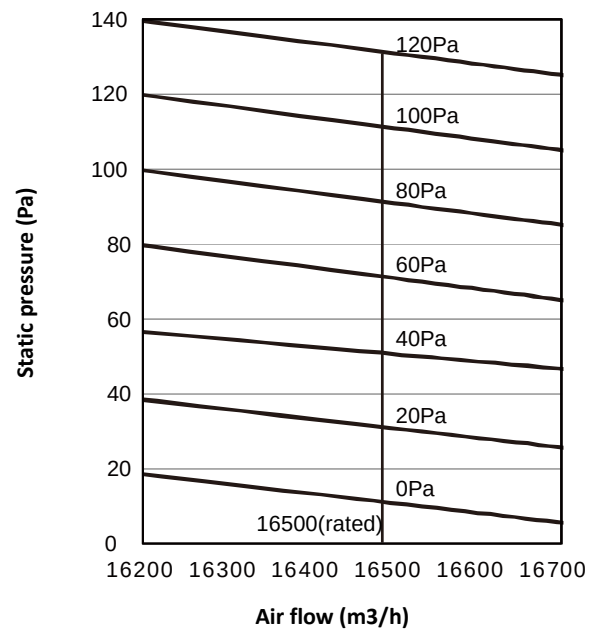


Figure 3-3.7: 18-24HP units fan performance

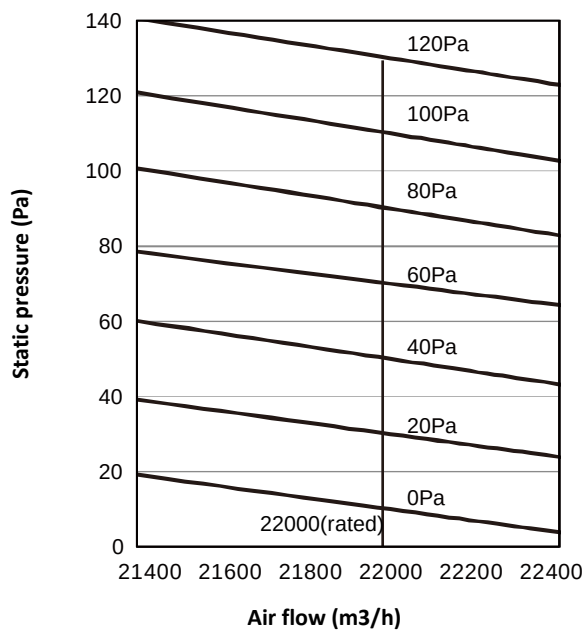
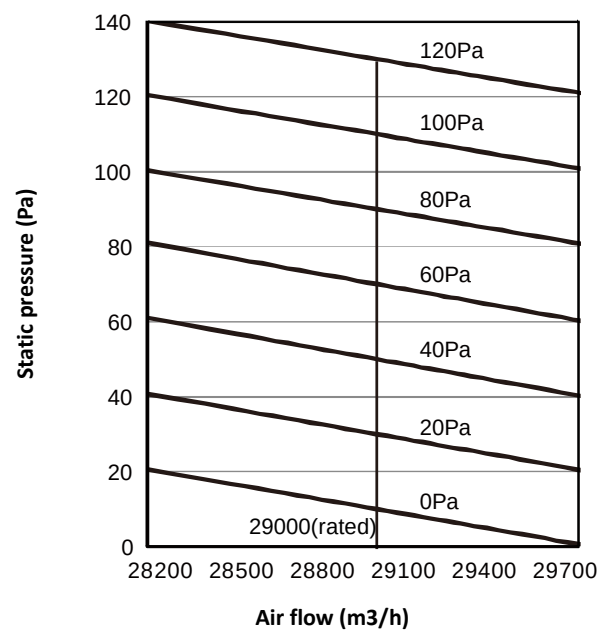


Figure 3-3.8: 26-32HP units fan performance



#### Notes for installers



- Before installing outdoor unit ducting, be sure to remove the unit's steel mesh cover, otherwise airflow will be adversely affected.

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## 3.6 Snow Shielding

In areas of high snowfall, snow shields should be installed on air inlets and outlets to prevent snow from entering the units. Make note of the following when installing the unit in areas affected by cold weather or snow:

- Avoid directly exposing the air outlet or air inlet to the wind.
- The local maximum snowfall should be taken into consideration when deciding the foundation height of ODU.
- The foundation or base height of the ODU is required to be the expected maximum snowfall thickness  $h_0 + 300\text{mm}$ , preventing the snow from contacting the bottom of the unit.

Figure 3-3.9: Outdoor unit snow shielding

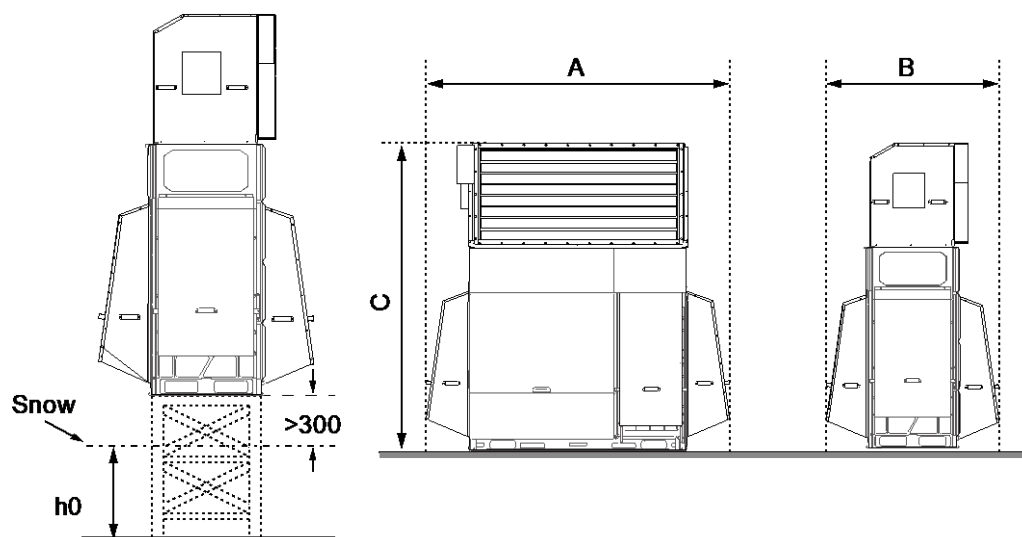


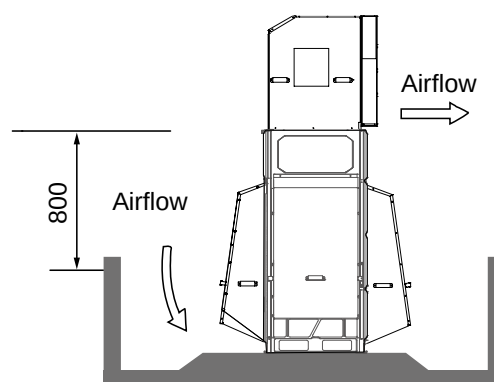
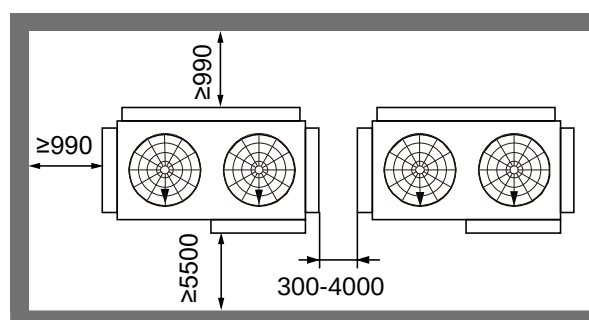
Table 3-3.5: Dimensions (unit: mm)

|   | 8-16HP | 18-24HP | 26-32HP |
|---|--------|---------|---------|
| A | 1690   | 1200    | 2685    |
| B | 2090   | 1200    | 2685    |
| C | 1630   | 1575    | 2685    |

When a snow shield needs to be installed, to ensure smooth air intake and supply of the ODU, conduct site planning and construction as follows:

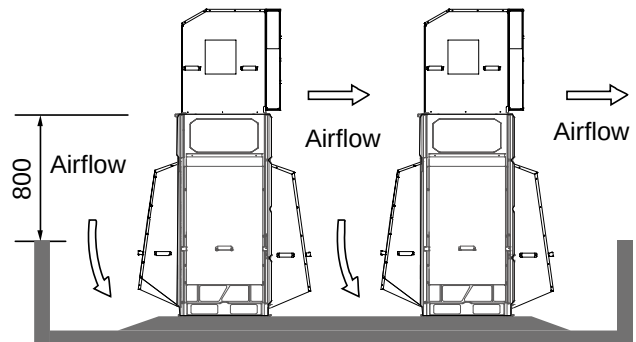
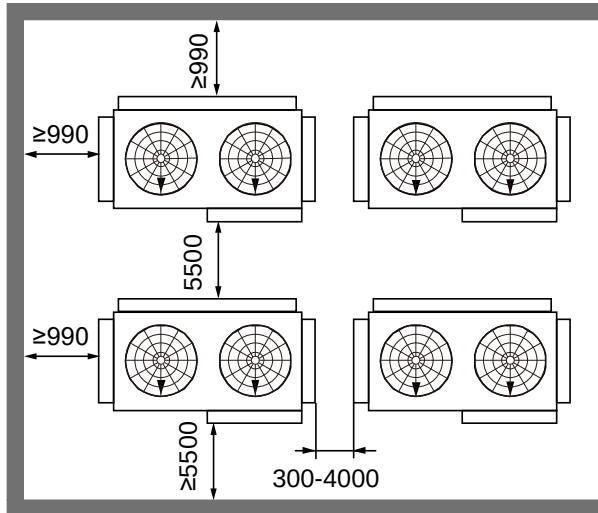
### Installation of ODUs in a row

Figure 3-3.10: Installation of ODUs in a row (unit: mm)



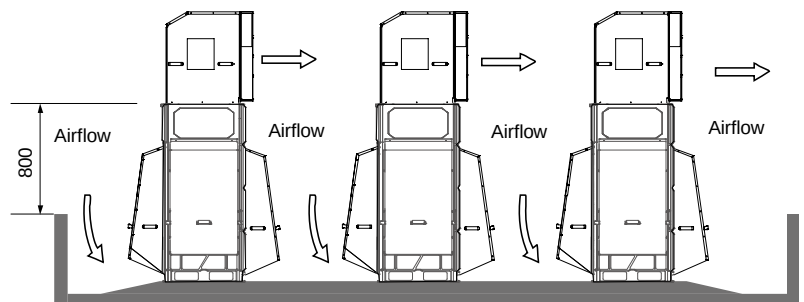
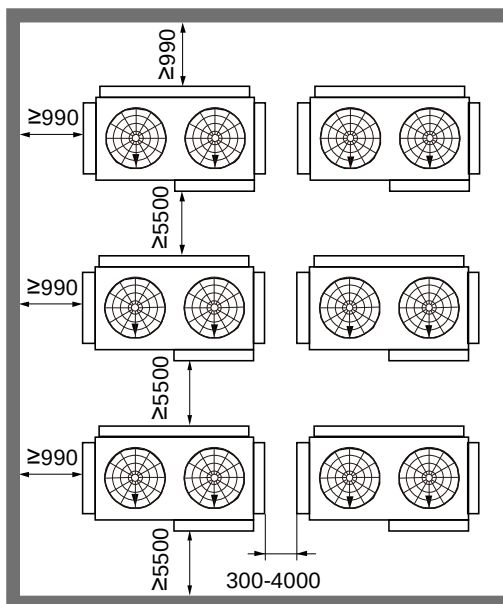
### Installation of ODUs in two rows

Figure 3-3.10: Installation of ODUs in two row (unit: mm)



### Installation of ODUs in three rows

Figure 3-3.10: Installation of ODUs in two row (unit: mm)



## 4 Refrigerant Piping Design

### 4.1 Design Considerations

Refrigerant piping design should take account of the following considerations:

- The amount of brazing required should be kept to a minimum.
- On the two inside sides of the first indoor branch joint ("A" in Figures 3-4.2, 3-4.3 and 3-4.4) the system should, as far as possible, be equal in terms of number of units, total capacities and total piping lengths.

### 4.2 Material Specification

Only seamless phosphorus-deoxidized copper piping that complies with all applicable legislation should be used. Temper grades and minimum thicknesses for different diameters of piping are specified in Table 3-4.1.

Table 3-4.1: Piping temper and thickness

| Piping outer diameter (mm) | Temper <sup>1</sup> | Minimum thickness (mm) |
|----------------------------|---------------------|------------------------|
| Φ6.35                      | O<br>(annealed)     | 0.80                   |
| Φ9.52                      |                     | 0.80                   |
| Φ12.7                      |                     | 1.00                   |
| Φ15.9                      |                     | 1.00                   |
| Φ19.1                      |                     | 1.00                   |
| Φ22.2                      | 1/2H<br>(half hard) | 1.00                   |
| Φ25.4                      |                     | 1.00                   |
| Φ28.6                      |                     | 1.00                   |
| Φ31.8                      |                     | 1.25                   |
| Φ34.9                      |                     | 1.25                   |
| Φ38.1                      |                     | 1.50                   |
| Φ41.3                      |                     | 1.50                   |
| Φ44.5                      |                     | 1.50                   |
| Φ50.8                      |                     | 1.80                   |
| Φ54.0                      |                     | 1.80                   |

Notes:

1. O: coiled piping; 1/2H: straight piping.

### 4.3 Permitted Piping Lengths and Level Differences

The piping length and level difference requirements that apply are summarized in Table 3-4.2 and are fully described as follows (refer to Figure 3-4.1):

Figure 3-4.1: Permitted refrigerant piping lengths and level differences

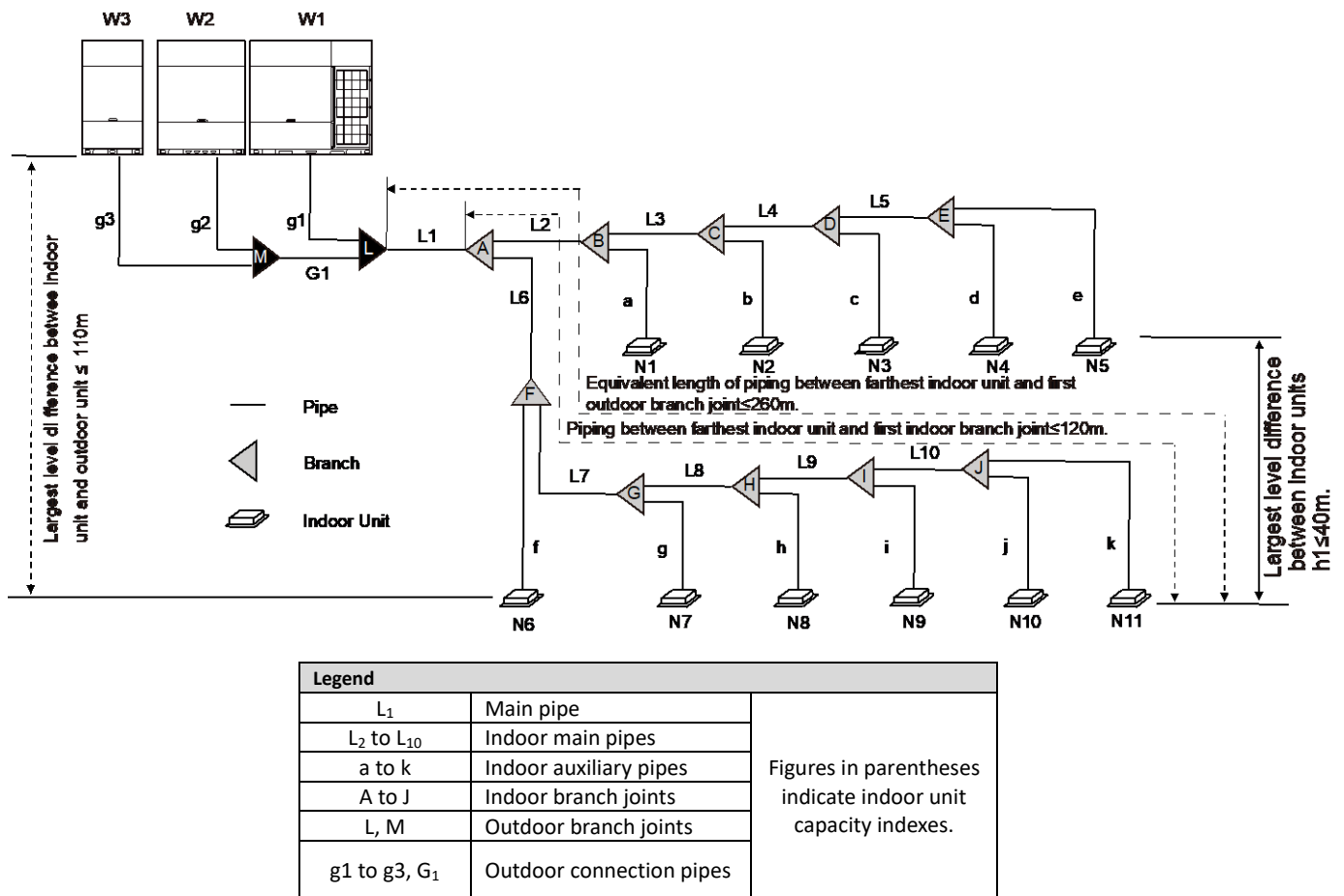


Table 3-4.2: Summary of permitted refrigerant piping lengths and level differences

|                   |                                                                                 |                   | Permitted values | Piping in Figure 3-4.2                                                      |
|-------------------|---------------------------------------------------------------------------------|-------------------|------------------|-----------------------------------------------------------------------------|
| Piping lengths    | Total piping length <sup>1</sup>                                                |                   | ≤ 1100m          | $L_1 + 2 \times \sum\{L_2 \text{ to } L_{10}\} + \sum\{a \text{ to } k\}$   |
|                   | Piping between farthest indoor unit and first outdoor branch joint <sup>2</sup> | Actual length     | ≤ 220m           | $L_1 + \sum\{L_6 \text{ to } L_{10}\} + k$                                  |
|                   |                                                                                 | Equivalent length | ≤ 260m           |                                                                             |
|                   | Piping between farthest indoor unit and first indoor branch joint <sup>3</sup>  |                   | ≤ 40m/120m       | $\sum\{L_6 \text{ to } L_{10}\} + k$                                        |
|                   | Piping between outdoor unit and outdoor branch joint                            | Actual length     | ≤ 10m            | $g_1 + G_1 \leq 10\text{m}; g_2 + G_1 \leq 10\text{m}; g_3 \leq 10\text{m}$ |
| Level differences | Largest level difference between indoor unit and outdoor unit <sup>4</sup>      |                   | ≤ 110m           |                                                                             |
|                   | Largest level difference between indoor units <sup>5</sup>                      |                   | ≤ 40m            |                                                                             |

Notes:

1. Refer to Requirement 1, below.
2. Refer to Requirement 2, below.
3. Refer to Requirement 3, below.
4. Refer to Requirement 4, below.
5. Refer to Requirement 5, below.

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- Requirement 1:** The total length of piping in one refrigerant system should not exceed 1100m. When calculating the total length of piping, the actual length of the indoor main pipes (the piping between the first indoor branch joint and all other indoor branch joints,  $L_2$  to  $L_{10}$ ) should be doubled.
- Requirement 2:** The piping between the farthest indoor unit ( $N_{11}$ ) and the first outdoor branch joint (L) should not exceed 220m (actual length) and 260m (equivalent length). (The equivalent length of each branch joint is 0.5m, and the equivalent length of each branch header is 1m.)
- Requirement 3:** The piping between the farthest indoor unit ( $N_{11}$ ) and first indoor branch joint (A) should not exceed 40m in length ( $\sum\{L_6 \text{ to } L_{10}\} + k \leq 40\text{m}$ ) unless the following conditions are met and the following measures are taken, in which case the permitted length is up to 120m:

### Conditions:

- Each indoor auxiliary pipe (from each indoor unit to its nearest branch joint) joint does not exceed 40m in length (a to k each  $\leq 40\text{m}$ ).
- The difference in length between {the piping from first indoor branch joint (A) to the farthest indoor unit ( $N_{11}$ )} and {the piping from the first indoor branch joint (A) to the nearest indoor unit ( $N_1$ )} does not exceed 40m. That is:  $(\sum\{L_6 \text{ to } L_{10}\} + k) - (L_2 + a) \leq 40\text{m}$ .

### Measures:

- Increase the diameter of the indoor main pipes (the gas and liquid piping between the first indoor branch joint and all other indoor branch joints,  $L_2$  to  $L_{10}$ ) as per Table 3-4.3, except for indoor main pipes which are already the same size as the main pipe ( $L_1$ ), for which no diameter increases are required.
- Requirement 4:** The largest level difference between indoor unit and outdoor unit should not exceed 110m. Additionally: (i) If the outdoor unit is above and the level difference is greater than 20m, it is recommended that an oil return bend with dimensions as specified in Figure 3-4.2 is set every 10m in the gas pipe of the main pipe; and (ii) if the level difference is more than 50m (the outdoor unit is above) or 40m (the outdoor unit is below), the liquid pipe of the main pipe ( $L_1$ ) should be selected according to Table 3-4.5 (Equivalent length to the farthest IDU  $\geq 90\text{m}$ .)

Table 3-4.3: Diameter increase requirements

| Original (mm) | Increased (mm) |
|---------------|----------------|
| Φ9.52         | Φ12.7          |
| Φ12.7         | Φ15.9          |
| Φ15.9         | Φ19.1          |
| Φ19.1         | Φ22.2          |
| Φ22.2         | Φ25.4          |
| Φ25.4         | Φ28.6          |
| Φ28.6         | Φ31.8          |
| Φ31.8         | Φ38.1          |
| Φ38.1         | Φ41.3          |
| Φ41.3         | Φ44.5          |
| Φ44.5         | Φ50.8          |
| Φ50.8         | Φ54.0          |

Figure 3-4.2: Oil return bend

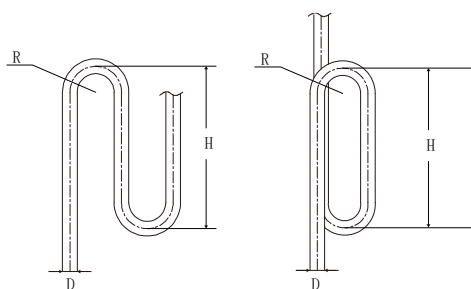


Table 3-4.4: Oil return bend requirements unit (mm)

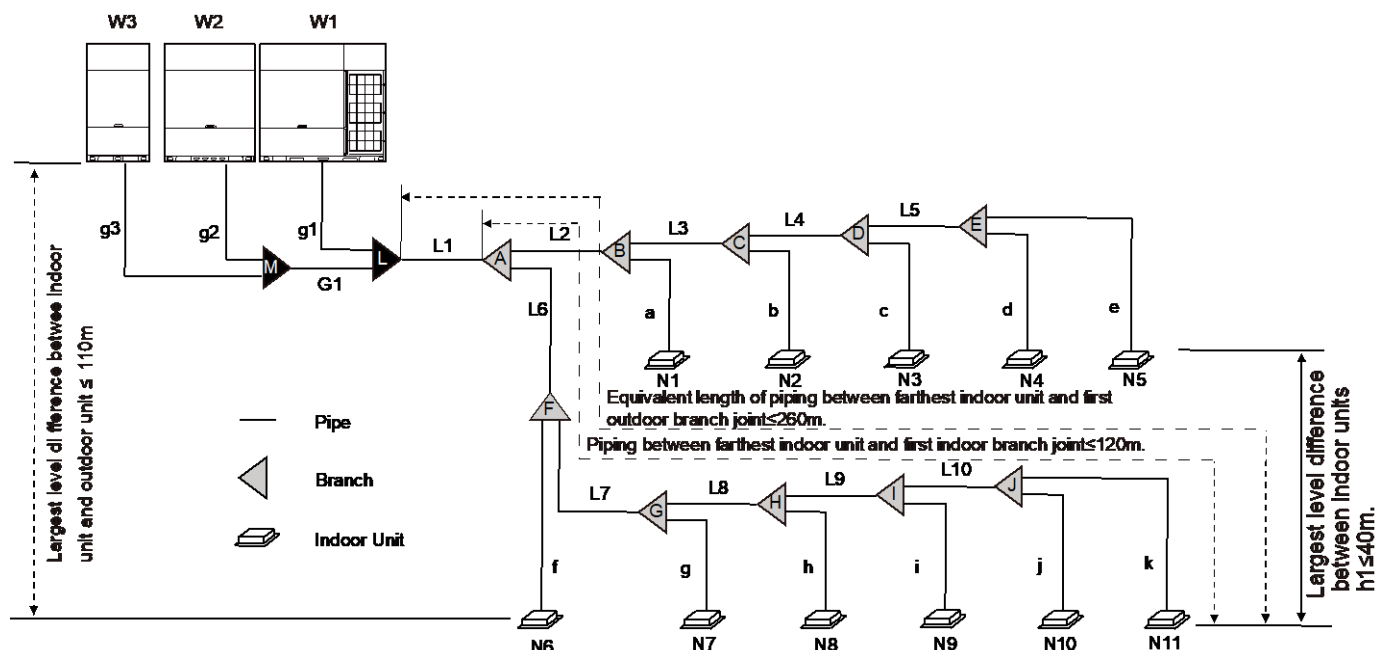
| Pipe dimension D | Bend radius R | Hight H    |
|------------------|---------------|------------|
| Φ19.1            | $\geq 31$     | $\geq 300$ |
| Φ22.2            |               |            |
| Φ25.4            |               |            |
| Φ28.6            | $\geq 45$     | $\geq 300$ |
| Φ31.8            | $\geq 60$     |            |
| Φ38.1            | $\geq 80$     |            |
| Φ41.3            | $\geq 90$     | $\geq 500$ |
| Φ44.5            |               |            |
| Φ50.8            |               |            |
| Φ54.0            | $\geq 90$     | $\geq 500$ |
| Φ63.5            |               |            |

- Requirement 5:** The largest level difference between indoor units should not exceed 40m.

## 4.4 Selecting Piping Diameters

Tables 3-4.5 to 3-4.9, below, specify the required pipe diameters for the indoor and outdoor piping. The main pipe (L<sub>1</sub>) and first indoor branch joint (A) should be sized according to 3-4.5.

Figure 3-4.3: Selecting piping diameters



| Legend                                            |                          |                                                               |
|---------------------------------------------------|--------------------------|---------------------------------------------------------------|
| L <sub>1</sub>                                    | Main pipe                | Figures in parentheses indicate indoor unit capacity indexes. |
| L <sub>2</sub> to L <sub>10</sub>                 | Indoor main pipes        |                                                               |
| a to k                                            | Indoor auxiliary pipes   |                                                               |
| A to J                                            | Indoor branch joints     |                                                               |
| L, M                                              | Outdoor branch joints    |                                                               |
| g <sub>1</sub> to g <sub>3</sub> , G <sub>1</sub> | Outdoor connection pipes |                                                               |

Table 3-4.5: Main pipe<sup>1</sup> (L<sub>1</sub>) and first indoor branch joint (A)

| Total capacity of outdoor units | Equivalent length to the farthest IDU < 90m |                  |                  | Equivalent length to the farthest IDU ≥ 90m |                  |                  |
|---------------------------------|---------------------------------------------|------------------|------------------|---------------------------------------------|------------------|------------------|
|                                 | Gas pipe (mm)                               | Liquid pipe (mm) | Branch joint kit | Gas pipe (mm)                               | Liquid pipe (mm) | Branch joint kit |
| 8HP                             | Φ19.1                                       | Φ9.52            | FQZHN-01D        | Φ22.2                                       | Φ12.7            | FQZHN-02D        |
| 10HP                            | Φ22.2                                       | Φ9.52            | FQZHN-02D        | Φ25.4                                       | Φ12.7            | FQZHN-02D        |
| 12-14HP                         | Φ25.4                                       | Φ12.7            | FQZHN-02D        | Φ28.6                                       | Φ15.9            | FQZHN-03D        |
| 16HP                            | Φ28.6                                       | Φ12.7            | FQZHN-03D        | Φ31.8                                       | Φ15.9            | FQZHN-03D        |
| 18HP                            | Φ28.6                                       | Φ15.9            | FQZHN-03D        | Φ31.8                                       | Φ15.9            | FQZHN-03D        |
| 20-24HP                         | Φ28.6                                       | Φ15.9            | FQZHN-03D        | Φ31.8                                       | Φ19.1            | FQZHN-03D        |
| 26-34HP                         | Φ31.8                                       | Φ19.1            | FQZHN-03D        | Φ38.1                                       | Φ22.2            | FQZHN-04D        |
| 36-54HP                         | Φ38.1                                       | Φ19.1            | FQZHN-04D        | Φ41.3                                       | Φ22.2            | FQZHN-05D        |
| 56-66HP                         | Φ41.3                                       | Φ19.1            | FQZHN-05D        | Φ44.5                                       | Φ22.2            | FQZHN-05D        |
| 68-82HP                         | Φ44.5                                       | Φ22.2            | FQZHN-05D        | Φ50.8                                       | Φ25.4            | FQZHN-06D        |
| 84-88HP                         | Φ50.8                                       | Φ25.4            | FQZHN-06D        | Φ54.0                                       | Φ25.4            | FQZHN-06D        |
| 90-92HP                         | Φ50.8                                       | Φ25.4            | FQZHN-06D        | Φ54.0                                       | Φ25.4            | FQZHN-06D        |
| 94-96HP                         | Φ50.8                                       | Φ25.4            | FQZHN-06D        | Φ54.0                                       | Φ28.6            | FQZHN-07D        |

Notes:

1. If the level difference is more than 50m (the outdoor unit is above) or 40m (the outdoor unit is below), the liquid pipe of the main pipe (L<sub>1</sub>) should be selected according to equivalent length to the farthest IDU ≥ 90m.



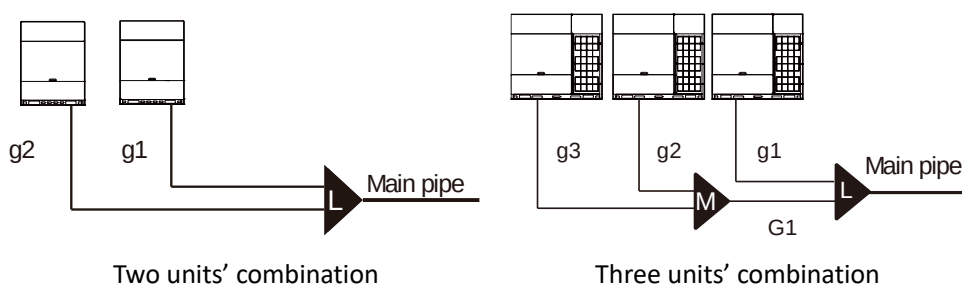
Table 3-4.6: Indoor main pipes ( $L_2$  to  $L_{10}$ ) and indoor branch joint kits

| Total capacity indexes of indoor units | Gas pipe (mm) | Liquid pipe (mm) | Branch joint kit |
|----------------------------------------|---------------|------------------|------------------|
| Capacity indexes < 168                 | Φ15.9         | Φ9.52            | FQZHN-01D        |
| 168 ≤ Capacity indexes < 224           | Φ19.1         | Φ9.52            | FQZHN-01D        |
| 224 ≤ Capacity indexes < 330           | Φ22.2         | Φ9.52            | FQZHN-02D        |
| 330 ≤ Capacity indexes < 470           | Φ28.6         | Φ12.7            | FQZHN-03D        |
| 470 ≤ Capacity indexes < 710           | Φ28.6         | Φ15.9            | FQZHN-03D        |
| 710 ≤ Capacity indexes < 1040          | Φ31.8         | Φ19.1            | FQZHN-03D        |
| 1040 ≤ Capacity indexes < 1540         | Φ38.1         | Φ19.1            | FQZHN-04D        |
| 1540 ≤ Capacity indexes < 1900         | Φ41.3         | Φ19.1            | FQZHN-05D        |
| 1900 ≤ Capacity indexes < 2350         | Φ44.5         | Φ22.2            | FQZHN-05D        |
| 2350 ≤ Capacity indexes < 500          | Φ50.8         | Φ22.2            | FQZHN-06D        |
| 2500 ≤ Capacity indexes < 3024         | Φ50.8         | Φ25.4            | FQZHN-06D        |
| 3024 ≤ Capacity indexes                | Φ54.0         | Φ28.6            | FQZHN-07D        |

Notes:

- If indoor main pipes ( $L_2$  to  $L_{10}$ ) are larger than the main pipe ( $L_1$ ), indoor main pipes should reduce to the main pipe's size.

Figure 3-4.4: Outdoor connection pipes

Table 3-4.7: Two units' combination outdoor connection pipes ( $g_1$  to  $g_2$ )

| Pipes          | Total outdoor unit capacity | Outdoor unit capacity | Gas pipe (mm) | Liquid pipe (mm) |
|----------------|-----------------------------|-----------------------|---------------|------------------|
| $g_1$ to $g_2$ | < 56 HP                     | 8-12HP                | Φ25.4         | Φ12.7            |
|                |                             | 14-24HP               | Φ31.8         | Φ15.9            |
|                |                             | 26-32HP               | Φ38.1         | Φ19.1            |
|                | ≥ 56HP                      | 20-24HP               | Φ31.8         | Φ15.9            |
|                |                             | 26-32HP               | Φ38.1         | Φ19.1            |

Table 3-4.8: Three units' combination outdoor connection pipes ( $g_1$  to  $g_3$ ,  $G_1$ )

| Pipes          | Total outdoor unit capacity | Outdoor unit capacity | Gas pipe (mm) | Liquid pipe (mm) |
|----------------|-----------------------------|-----------------------|---------------|------------------|
| $g_1$ to $g_3$ | ≤ 96HP                      | 8-12HP                | Φ25.4         | Φ12.7            |
|                |                             | 14-24HP               | Φ31.8         | Φ15.9            |
|                |                             | 26-32HP               | Φ38.1         | Φ19.1            |
| $G_1$          | ≤ 96HP                      | /                     | Φ41.3         | Φ22.2            |

Table 3-4.9: Outdoor branch joint kits (L to M)

| No. of outdoor units | Outdoor unit capacity | Branch joint kit |
|----------------------|-----------------------|------------------|
| 2                    | < 56 HP               | FQZHW-02N1E      |
|                      | ≥ 56HP                | FQZHW-02N1G      |
| 3                    | ≤ 96HP                | FQZHW-03N1E      |

Table 3-4.10: Indoor auxiliary pipes (a to k)

| Capacity of indoor unit (kW) | Gas pipe (mm) | Liquid pipe (mm) |
|------------------------------|---------------|------------------|
| Capacity ≤ 5.6               | Φ12.7         | Φ6.35            |
| 5.6 < Capacity ≤ 16          | Φ15.9         | Φ9.52            |

Notes:

1. The size of indoor side branch pipe shall not be larger than that of main pipe. If the size of main pipe selected according to the above table is larger than that of main pipe, the size of branch pipe shall be reduced to make it the same as that of main pipe.
2. If the indoor unit capacity exceeds the range in the table above, select the pipe diameter according to the manual of the indoor unit.

**If the required pipe size is not available, you can use other diameters by considering the following factors:**

1. If the standard size is not available in local market, a pipe that is one size larger should be used.
2. In some circumstances, the pipe size needs to be one size larger than the standard size; this is the “Size up Size” (for example: when the equivalent length of all the liquid piping is larger than 90m, the pipe size needs to be one size up; when the piping length from the farthest indoor unit to the first indoor unit is more than 40m, the indoor main pipe size needs to be one size up to allow a piping length of up to 120m). If the “Size up Size” is not available in the local market, the standard size pipe must be used.
3. Pipe sizes bigger than the corresponding “Size up Size” cannot be used under any circumstances.
4. Calculation for the additional refrigerant must be adjusted according to section 8 on the determination of the additional refrigerant volume.

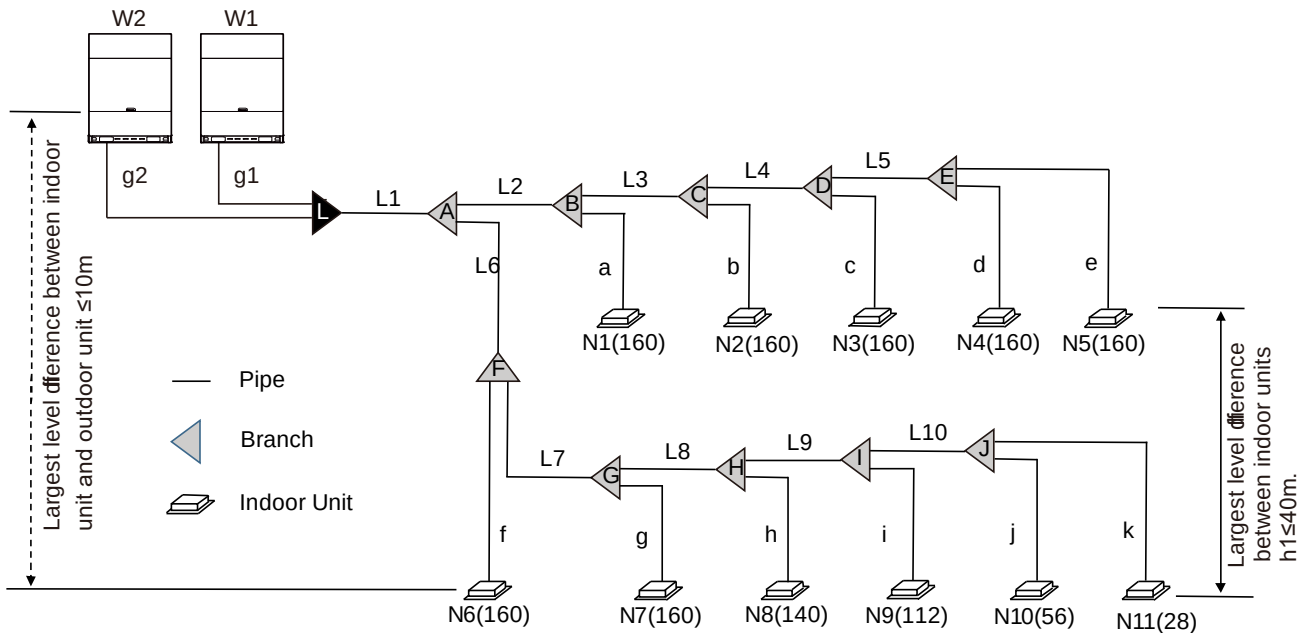
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### 4.5 Refrigerant Piping Selection Example

The example below illustrates the piping selection procedure for a system consisting of two outdoor units (32HP+20HP) and 11 indoor units. The system's equivalent length of all liquid pipes is less than 90m; the piping between the farthest indoor unit and the first indoor branch joint is less than 40m in length, and each indoor auxiliary pipe (from each indoor unit to its nearest branch joint) is less than 10m in length.

Figure 3-4.5: Refrigerant piping selection example



#### Step 1: Select indoor auxiliary pipes a to k

- The capacity of indoor units  $N_1$  to  $N_9$  are larger than 5.6kW. Refer to Table 3-4.10. Indoor auxiliary pipes a to i are  $\Phi 15.9 / \Phi 9.52$ .
- The capacity of indoor units  $N_{10}$  and  $N_{11}$  are equal or less than 5.6kW. Refer to Table 3-4.10. Indoor auxiliary pipes j and k are  $\Phi 12.7 / \Phi 6.35$ .

#### Step 2: Select indoor main pipes and indoor branch joints B to J

Refer to Table 3-4.6

- The indoor units ( $N_4$  and  $N_5$ ) downstream of indoor branch E have a total capacity of  $16 \times 2 = 32\text{kW}$ . Indoor main pipe L5 is  $\Phi 22.2 / \Phi 9.52$ . Indoor branch joint E is FQZHN-02D.
- The indoor units ( $N_3$  to  $N_5$ ) downstream of indoor branch D have a total capacity of  $16 \times 3 = 48\text{kW}$ . Indoor main pipe L4 is  $\Phi 28.6 / \Phi 15.9$ . Indoor branch joint D is FQZHN-03D.
- The indoor units ( $N_2$  to  $N_5$ ) downstream of indoor branch C have a total capacity of  $16 \times 4 = 64\text{kW}$ . Indoor main pipe L3 is  $\Phi 28.6 / \Phi 15.9$ . Indoor branch joint C is FQZHN-03D.
- The indoor units ( $N_1$  to  $N_5$ ) downstream of indoor branch B have a total capacity of  $16 \times 5 = 80\text{kW}$ . Indoor main pipe L2 is  $\Phi 31.8 / \Phi 19.1$ . Indoor branch joint B is FQZHN-03D.
- The indoor units ( $N_{10}$  and  $N_{11}$ ) downstream of indoor branch J have a total capacity of  $5.6 + 2.8 = 8.4\text{ kW}$ . Indoor main pipe L10 is  $\Phi 15.9 / \Phi 9.52$ . Indoor branch joint J is FQZHN-01D.
- The indoor units ( $N_9$  to  $N_{11}$ ) downstream of indoor branch I have a total capacity of  $8.4 + 11.2 = 19.6\text{ kW}$ . Indoor main pipe L9 is  $\Phi 19.1 / \Phi 9.52$ . Indoor branch joint I is FQZHN-01D.
- The indoor units ( $N_8$  to  $N_{11}$ ) downstream of indoor branch H have a total capacity of  $19.6 + 14 = 33.6\text{ kW}$ . Indoor main pipe L8 is  $\Phi 28.6 / \Phi 12.7$ . Indoor branch joint H is FQZHN-03D.
- The indoor units ( $N_7$  to  $N_{11}$ ) downstream of indoor branch G have a total capacity of  $33.6 + 16 = 49.6\text{ kW}$ . Indoor main pipe L7 is  $\Phi 28.6 / \Phi 15.9$ . Indoor branch joint G is FQZHN-03D.

| Legend                                                        |                          |
|---------------------------------------------------------------|--------------------------|
| $L_1$                                                         | Main pipe                |
| $L_2$ to $L_{10}$                                             | Indoor main pipes        |
| a to k                                                        | Indoor auxiliary pipes   |
| A to J                                                        | Indoor branch joints     |
| L                                                             | Outdoor branch joints    |
| G1, g1, g2                                                    | Outdoor connection pipes |
| Figures in parentheses indicate indoor unit capacity indexes. |                          |

- The indoor units (N6 to N11) downstream of indoor branch F have a total capacity of  $49.6+16=65.6$  kW. Indoor main pipe L6 is  $\Phi 28.6/\Phi 15.9$ . Indoor branch joint F is FQZHN-03D.

#### Step 3: Select main pipe and indoor branch joint A

- The indoor units (N1 to N11) downstream of indoor branch joint A have a total capacity of  $80+65.6 = 145.6$  kW. The system's equivalent length of all liquid pipes is less than 90m. The total capacity of the outdoor units is  $32 + 20 = 52$  HP. Main pipe L1 is  $\Phi 38.1/\Phi 19.1$ . First Indoor branch A is FQZHN-04D. Refer to Table 3-4.5.

#### Step 4: Select outdoor connection pipes and outdoor branch joints

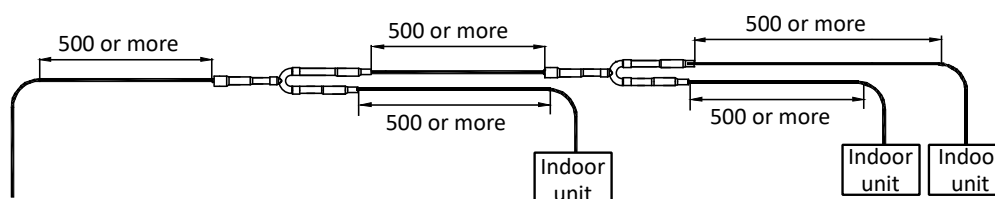
- There are two outdoor units in the system. The master unit is 32HP, the slave unit is 20HP. Outdoor connection pipes g1 is  $\Phi 38.1 / \Phi 19.1$ , g2 is  $\Phi 31.8 / \Phi 15.9$ . Refer to Table 3-4.7.
- There are two outdoor units in the system. Refer to Table 3-4.9. Outdoor branch joints L is FQZHW-02N1E.

### 4.6 Branch Joints

Branch joint design should take account of the following:

- U-shaped branch joints should be used – tee joints are not suitable. Branch joint dimensions are given in Tables 3-4.11 to 3-4.13.
- To avoid accumulation of oil in the outdoor units, outdoor branch joints should be installed horizontally and must not be higher than the outdoor unit refrigerant outlets. Refer to Figure 3-5.8 and Figure 3-5.9 in Part 3, 5.6 “Branch Joints”. Indoor branch joints may be installed either horizontally or vertically.
- To ensure even distribution of refrigerant, branch joints should not be installed within 500mm of a 90° bend, another branch joint or the straight section of piping leading to an indoor unit, with the minimum 500mm being measured from the point where the branch joint is connected to the piping, as shown in Figure 3-4.6.

Figure 3-4.6: Branch joint spacing and separation from bends (unit: mm)



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Table 3-4.11: Indoor branch joint dimensions (unit: mm)

| Model     | Gas side joints | Liquid side joints |
|-----------|-----------------|--------------------|
| FQZHN-01D |                 |                    |
| FQZHN-02D |                 |                    |
| FQZHN-03D |                 |                    |
| FQZHN-04D |                 |                    |
| FQZHN-05D |                 |                    |
| FQZHN-06D |                 |                    |

Table continued on next page ...

Table 3-4.11: Indoor branch joint dimensions (unit: mm) (continued)

| Model     | Gas side joints | Liquid side joints |
|-----------|-----------------|--------------------|
| FQZHN-07D |                 |                    |

Table 3-4.12: Outdoor branch joint dimensions for 2 unit's combination (unit: mm)

| Model       | Gas side joints | Liquid side joints |
|-------------|-----------------|--------------------|
| FQZHW-02N1E |                 |                    |
| FQZHW-02N1G |                 |                    |

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Table 3-4.13: Outdoor branch joint dimensions for 3 unit's combination (unit: mm)

| Model       | Gas side joints | Liquid side joints |
|-------------|-----------------|--------------------|
| FQZHW-03N1E |                 |                    |
| FQZHW-03N1G |                 |                    |



## 4.7 Refrigerant Leakage Precautions

R410A refrigerant is not flammable in air at temperatures up to 100°C at atmospheric pressure and is generally considered a safe substance to use in air conditioning systems. Nevertheless, precautions should be taken to avoid danger to life in the unlikely event of a major refrigerant leakage. Precautions should be taken in accordance with all applicable legislation. Where no applicable legislation exists, the following may be used as a guide:

- Air conditioned rooms should be large enough that if leakage of all the refrigerant in the system occurs, the concentration of the refrigerant in the room does not reach a level dangerous to health.
- A critical concentration (at which point R410A becomes dangerous to human health) of 0.44 kg/m<sup>3</sup> can be used.
- The potential concentration of refrigerant in a room following a leak can be calculated as follows:
  - Calculate the total amount in of refrigerant in the system ("A") as the nameplate charge (the charge in the system when delivered from the factory) plus the additional charge added as per Part 3, 8.1 "Calculating Additional Refrigerant Charge".
  - Calculate the total volume ("B") of the smallest room into which refrigerant could potentially leak.
  - Calculate the potential refrigerant concentration as A divided by B.
  - If A/B is not less than 0.44 kg/m<sup>3</sup>, countermeasures such installing mechanical ventilators (either ventilating regularly or controlled by refrigerant leakage detectors) should be taken.
- Since R410A is heavier than air, particular consideration should be given to leak scenarios in basement rooms.

Figure 3-4.7: Potential refrigerant leak scenario

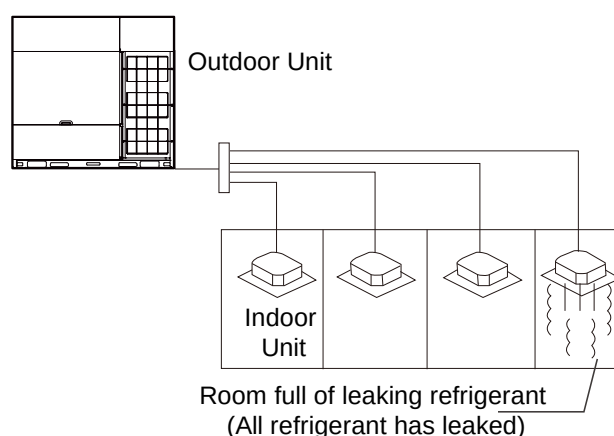
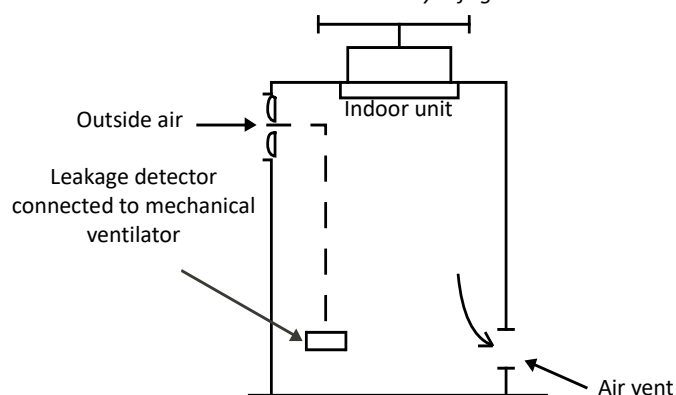


Figure 3-4.8: Mechanical ventilator controlled by refrigerant leak detector



## 5 Refrigerant Piping Installation

### 5.1 Procedure and Principles

#### 5.1.1 Installation procedure

##### Notes for installers



Installation of the refrigerant piping system should proceed in the following order:



Note: Pipe flushing should be performed once the brazed connections have been completed with the exception of the final connections to the indoor units. That is, flushing should be performed once the outdoor units have been connected but before the indoor units are connected.

#### 5.1.2 Three principles for refrigerant piping

|               | Reasons                                                                                                                     | Measures                                                                                                                                                                      |
|---------------|-----------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CLEAN</b>  | Particles such as oxide produced during brazing and/or building dust can lead to compressor malfunction                     | <ul style="list-style-type: none"> <li>Seal piping during storage<sup>1</sup></li> <li>Flow nitrogen during brazing<sup>2</sup></li> <li>Pipe flushing<sup>3</sup></li> </ul> |
| <b>DRY</b>    | Moisture can lead to ice formation or oxidization of internal components leading to abnormal operation or compressor damage | <ul style="list-style-type: none"> <li>Pipe flushing<sup>3</sup></li> <li>Vacuum drying<sup>4</sup></li> </ul>                                                                |
| <b>SEALED</b> | Imperfect seals can lead to refrigerant leakage                                                                             | <ul style="list-style-type: none"> <li>Pipe manipulation<sup>5</sup> and brazing<sup>2</sup> techniques</li> <li>Gastightness test<sup>6</sup></li> </ul>                     |

Notes:

- See Part 3, 5.2.1 "Pipe delivery, storage and sealing".
- See Part 3, 5.5 "Brazing".
- See Part 3, 5.8 "Pipe Flushing".
- See Part 3, 5.10 "Vacuum Drying".
- See Part 3, 5.3 "Manipulating Copper Piping".
- See Part 3, 5.9 "Gastightness Test".

## 5.2 Storing Copper Piping

### 5.2.1 Pipe delivery, storage and sealing

#### Notes for installers



- Ensure that piping does not get bent or deformed during delivery or whilst stored.
- On construction sites store piping in a designated location.
- To prevent dust or moisture entering, piping should be kept sealed whilst in storage and until it is about to be connected. If piping is to be used soon, seal the openings with plugs or adhesive tape. If piping is to be stored for a long time, charge the piping with nitrogen at 0.2-0.5MPa and seal the openings by brazing.
- Storing piping directly on the ground risks dust or water ingress. Wooden supports can be used to raise piping off the ground.
- During installation, ensure that piping to be inserted through a hole in a wall is sealed to ensure dust and/or fragments of wall do not enter.
- Be sure to seal piping being installed outdoors (especially if being installed vertically) to prevent rain entering.

## 5.3 Manipulating Copper Piping

### 5.3.1 De-oiling

#### Notes for installers



- Lubrication oil used during some copper pipe manufacturing processes can cause deposits to form in R410A refrigerant systems, causing system errors. Oil-free copper piping should therefore be selected. If ordinary (oily) copper piping is used, it must be cleaned with gauze dipped in tetrachloroethylene solution prior to installation.

#### Caution

- Never use carbon tetrachloride (CCl<sub>4</sub>) for pipe cleansing or flushing, as doing so will seriously damage the system.

### 5.3.2 Cutting copper piping and removing burrs

#### Notes for installers



- Use a pipe cutter rather than a saw or cutting machine to cut piping. Rotate the piping evenly and slowly, applying even force to ensure that the piping does not become deformed during cutting. Using a saw or cutting machine to cut piping runs the risk of copper shavings entering the piping. Copper shavings are difficult to remove and pose a serious risk to the system if they enter the compressor or block the throttling unit.
- After cutting using a pipe cutter, use a reamer/scrapper to remove any burrs that have formed at the opening, keeping the opening of the piping downwards to avoid copper shavings from entering the piping.
- Remove burrs carefully to avoid scratches, which may prevent a proper seal being formed and lead to refrigerant leakage.

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### 5.3.3 Expanding copper piping ends

#### Notes for installers

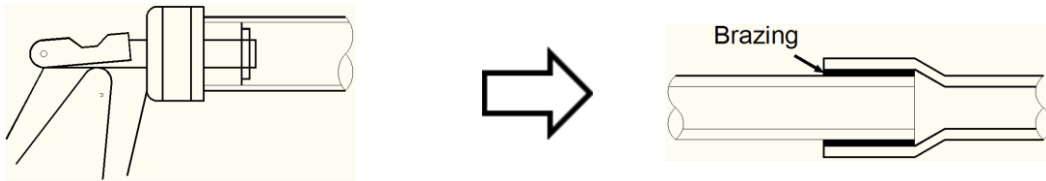


- Ends of copper piping can be expanded so that another length of piping can be inserted and the joint brazed.
- Insert the expanding head of the pipe expander into the pipe. After completing pipe expansion, rotate the copper pipe a few degrees to rectify the straight line mark left by the expanding head.

#### Caution

- Ensure that the expanded section of piping is smooth and even. Remove any burrs that remain after cutting.

Figure 3-5.1: Expanding copper piping ends



### 5.3.4 Flared joints

Flared joints should be used where a screw thread connection is required.

#### Notes for installers

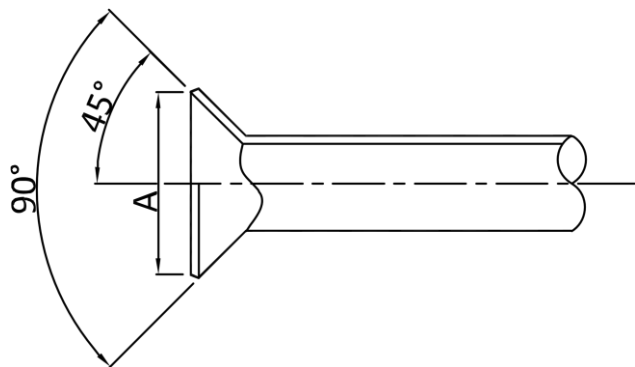


- Before flaring 1/2H (half hard) piping, anneal the end of the pipe to be flared.
- Remember to place the flare nut on the piping before flaring.
- Ensure the flared opening is not cracked, deformed or scratched, otherwise it will not form a good seal and refrigerant leakage may occur.
- The diameter of the flared opening should be within the ranges specified in Table 3-5.1. Refer to Figure 3-5.2.

Table 3-5.1: Flared opening size ranges

| Pipe (mm) | Flared opening diameter (A) (mm) |
|-----------|----------------------------------|
| Φ6.35     | 8.7 - 9.1                        |
| Φ9.52     | 12.8 - 13.2                      |
| Φ12.7     | 16.2 - 16.6                      |
| Φ15.9     | 19.3 - 19.7                      |
| Φ19.1     | 23.6 - 24.0                      |

Figure 3-5.2: Flared opening



- When connecting a flared joint, apply some compressor oil to the inner and outer surfaces of the flared opening

### 5.3.5 Bending piping

Bending copper piping reduces the number of brazed joints required and can improve quality and save material.

#### Notes for installers



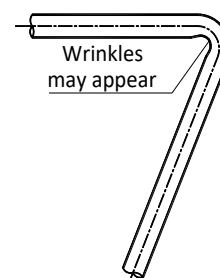
#### Piping bending methods

- Hand bending is suitable for thin copper piping ( $\Phi 6.35\text{mm}$  -  $\Phi 12.7\text{mm}$ ).
- Mechanical bending (using a bending spring, manual bending machine or powered bending machine) is suitable for a wide range of diameters ( $\Phi 6.35\text{mm}$  -  $\Phi 54.0\text{mm}$ ).

#### Caution

- When using a spring bender, ensure that the bender is clean before inserting it in the piping.
- After bending a copper pipe, ensure that there are no wrinkles or deformation on either side of the pipe.
- Ensure that bend angles do not exceed  $90^\circ$ , otherwise wrinkles may appear on the inner side of the pipe, and the pipe may buckle or crack. Refer to Figure 3-5.3.
- Do not use a pipe that has buckled during the bending process; ensure that the cross section at the bend is greater than  $2/3$  of the original area.

Figure 3-5.3: Pipe bending in excess of  $90^\circ$



### 5.4 Refrigerant Piping Supports

When the air conditioning is running, the refrigerant piping will deform (shrink, expand, droop). To avoid damage to piping, hangers or supports should be spaced as per the criteria in the Table 3-5.2. In general, the gas and liquid pipes should be suspended in parallel and the interval between support points should be selected according to the diameter of the gas pipe.

Table 3-5.2: Refrigerant piping support spacings

| Pipe (mm)           | Interval between support points (m) |                 |
|---------------------|-------------------------------------|-----------------|
|                     | Horizontal Piping                   | Vertical Piping |
| $< \Phi 20$         | 1                                   | 1.5             |
| $\Phi 20 - \Phi 40$ | 1.5                                 | 2               |
| $> \Phi 40$         | 2                                   | 2.5             |

Suitable insulation should be provided between the piping and the supports. If wooden dowels or blocks are to be used, use wood that has undergone preservative treatment.

Changes in refrigerant flow direction and refrigerant temperature result in movement, expansion and shrinkage of the refrigerant piping. Piping should therefore not be fixed too tightly, otherwise stress concentrations may occur in the piping, with the potential for rupturing.

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### 5.5 Brazing

Care must be taken to prevent oxide forming on the inside of copper piping during brazing. The presence of oxide in a refrigerant system adversely affects the operation of valves and compressors, potentially leading to low efficiency or even compressor failure. To prevent oxidation, during brazing nitrogen should be flowed through the refrigerant piping.

#### Notes for installers



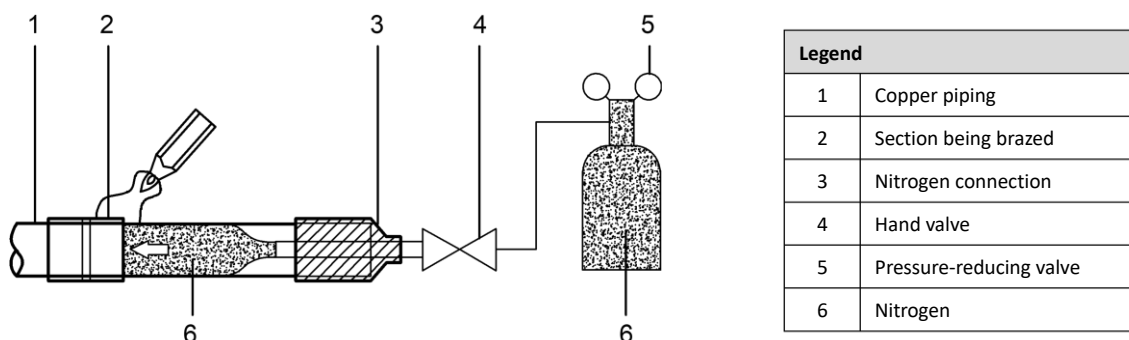
##### Warning

- Never flow oxygen through piping as doing so aids oxidation and could easily lead to explosion and as such is extremely dangerous.
- Take appropriate safety precautions such as having a fire extinguisher to hand whilst brazing.

##### Flowing nitrogen during brazing

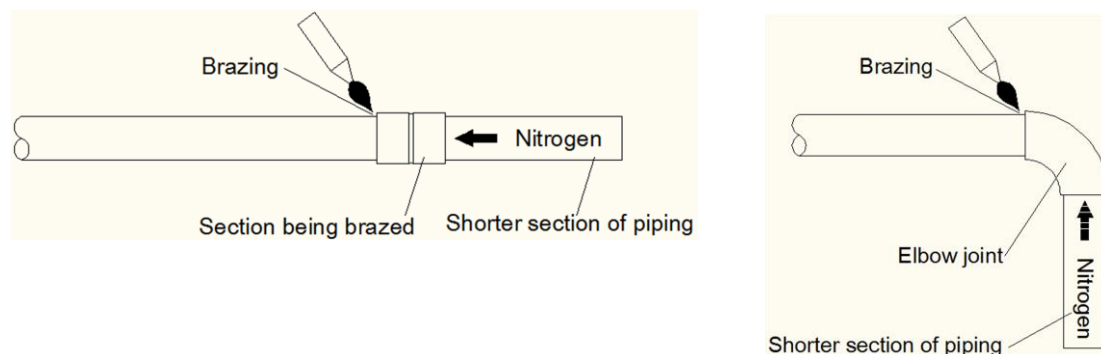
- Use a pressure reducing valve to flow nitrogen through copper piping at 0.02-0.03MPa during brazing.
- Start the flow before brazing starts and ensure that the nitrogen continuously passes through the section being brazed until the brazing is complete and the copper has cooled down completely.

Figure 3-5.4: Flowing nitrogen through piping during brazing



- When joining a shorter section of piping to a longer section, flow nitrogen from the shorter side to allow better displacement of air with nitrogen.
- If the distance from the point where nitrogen enters the piping to the joint to be brazed is long, ensure that the nitrogen is flowed for sufficient time to discharge all the air from the section to be brazed before commencing brazing.

Figure 3-5.5: Flowing nitrogen from shorter side during brazing



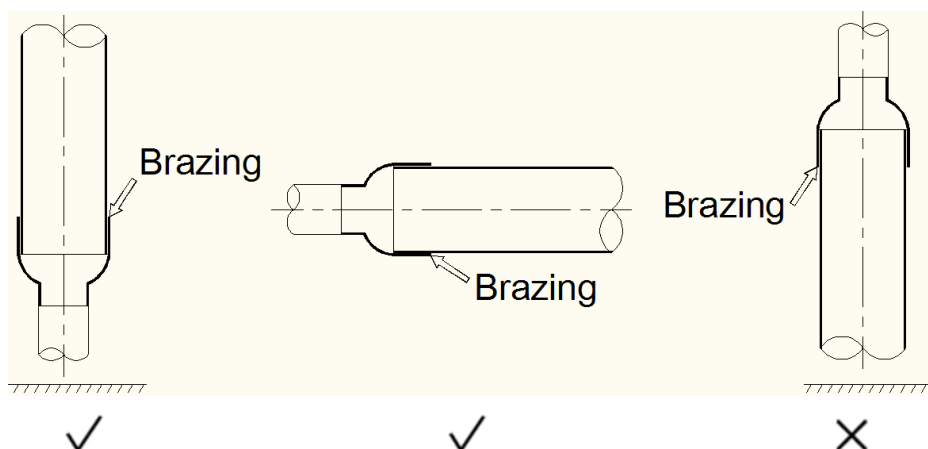
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### Piping orientation during brazing

Brazing should be conducted downwards or horizontally to avoid filler leakage.

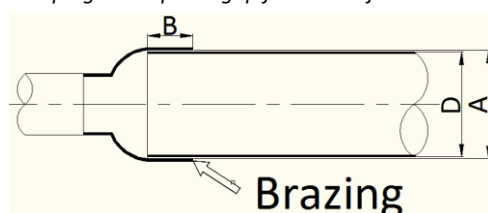
Figure 3-5.6: Piping orientation during brazing



### Piping overlap during brazing

Table 3-5.3 specifies the minimum permissible piping overlap and the range of permissible gap sizes for brazed joints on piping of different diameters. Refer also to Figure 3-5.7.

Figure 3-5.7: Piping overlap and gap for brazed joints



| Legend |                                |
|--------|--------------------------------|
| A      | Inner diameter of larger pipe  |
| D      | Outer diameter of smaller pipe |
| B      | Inlaid depth (overlap)         |

Table 3-5.3: Piping overlap and gap for brazed joints<sup>1</sup>

| D (mm)      | Minimum permissible B (mm) | Permissible A – D (mm) |
|-------------|----------------------------|------------------------|
| 5 < D < 8   | 6                          | 0.05 - 0.21            |
| 8 < D < 12  | 7                          |                        |
| 12 < D < 16 | 8                          | 0.05 - 0.27            |
| 16 < D < 25 | 10                         |                        |
| 25 < D < 35 | 12                         | 0.05 - 0.35            |
| 35 < D < 45 | 14                         |                        |

Notes:

1. A, B, D refer to the dimensions shown in Figure 3-5.7.

### Filler

- Use a copper/phosphorus brazing alloy (BCuP) filler that does not require flux.
- Do not use flux. Flux can cause corrosion of piping and can affect the performance of compressor oil.
- Do not use anti-oxidants when brazing. Residue can clog piping and damage components.



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### 5.6 Branch Joints

#### Notes for installers



- Use U-shaped branch joints as specified on the construction drawings – do not replace U-shaped branch joints with tee joints.
- To avoid accumulation of oil in the outdoor units, outdoor branch joints should be installed horizontally and must not be higher than the outdoor unit refrigerant outlets. Refer to Figure 3-5.9.
- Indoor branch joints may be installed either horizontally or vertically. Horizontal branch joints must be installed at an angle to the horizontal not exceeding  $10^\circ$  in order to avoid uneven distribution of refrigerant and possible malfunction. Refer to Figure 3-5.8.

Figure 3-5.8: Branch joint orientation

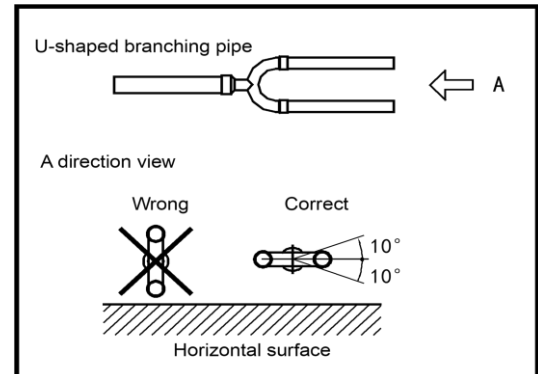
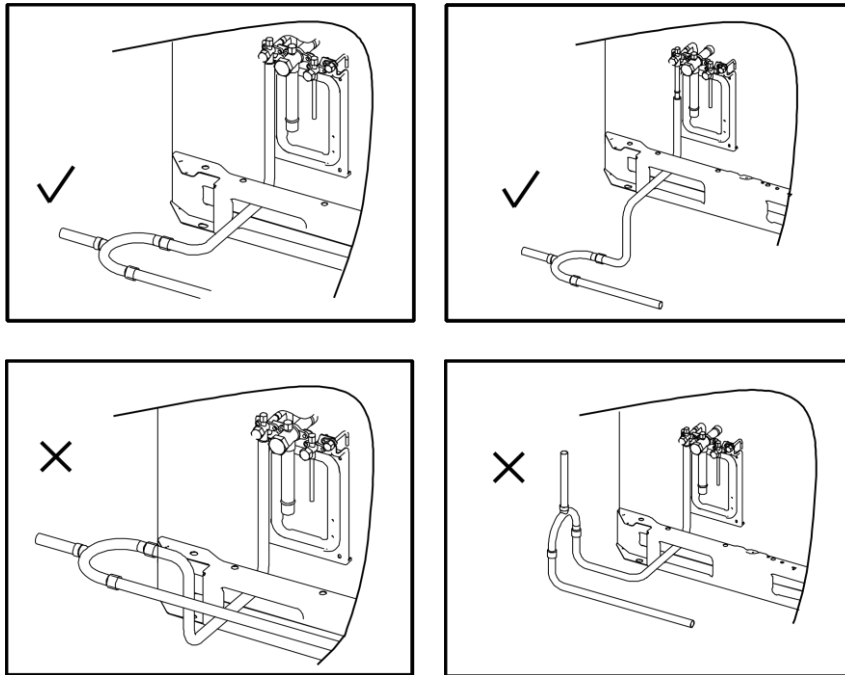
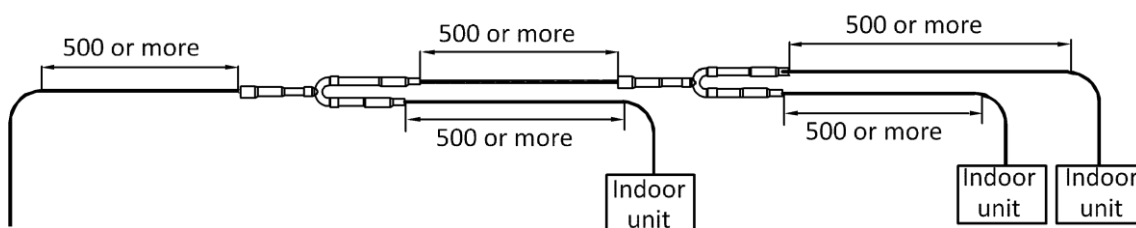


Figure 3-5.9: Installation of outdoor branch joints



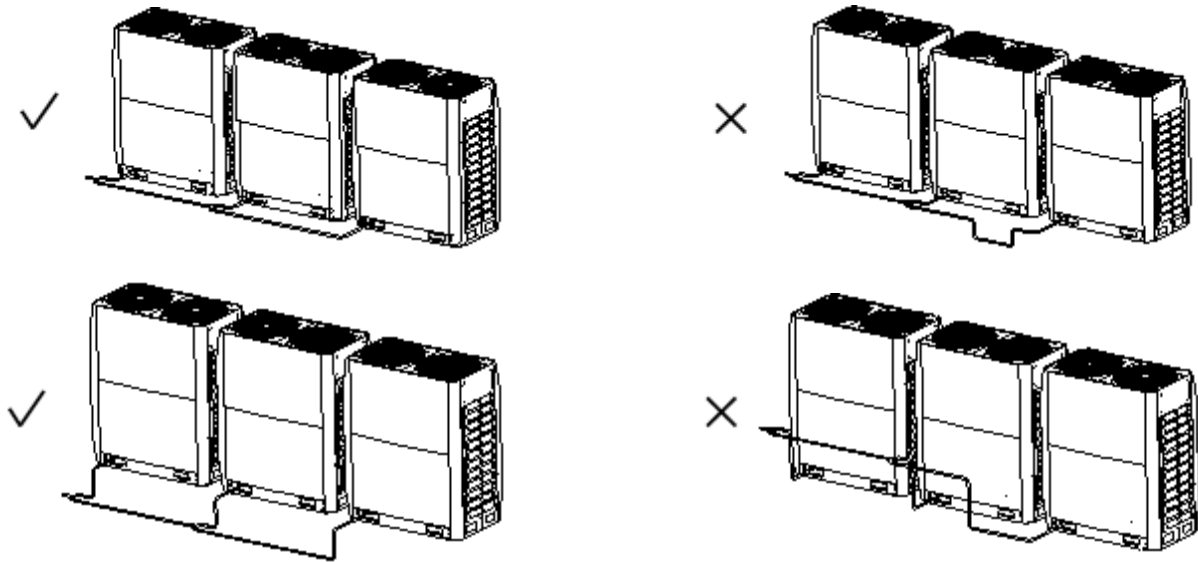
- To ensure even distribution of refrigerant, branch joints should not be installed within 500mm of a  $90^\circ$  bend, another branch joint or the straight section of piping leading to an indoor unit, with the minimum 500mm being measured from the point where the branch joint is connected to the piping, as shown below.



## 5.7 Piping Connections between Outdoor Units

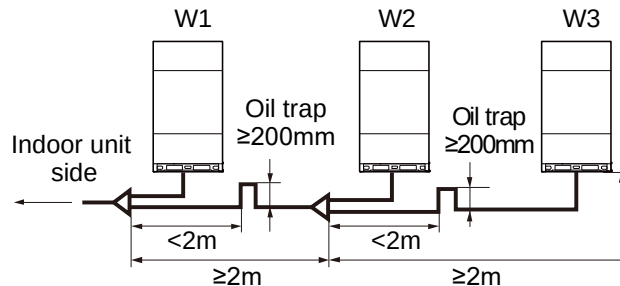
The piping connecting the outdoor units should be horizontal and must not be higher than the refrigerant outlets. If necessary, to avoid obstacles the piping may be vertically offset below the outlets. When inserting a vertical offset to avoid an obstacle, the whole outdoor piping should be offset, rather than just the section adjacent to the obstacle. Refer to Figure 3-5.10.

Figure 3-5.10: Piping connections between outdoor units



In case that the piping length between outdoor units is 2m or more, the oil trap for the gas pipe should be provided so that accumulation of refrigerant oil may not occur.

Figure 3-5.11: Oil trap between outdoor units



Outdoor piping should be installed in a metal casing to protect against exposure to sunlight, rain, wind and other potential causes of damage.

## 5.8 Pipe Flushing

### 5.8.1 Purpose

To remove dust, other particles and moisture, which could cause compressor malfunction if not flushed out before the system is run, the refrigerant piping should be flushed using nitrogen. As described in Part 3, 5.1.1 "Installation procedure", pipe flushing should be performed once the piping connections have been completed with the exception of the final connections to the indoor units. That is, flushing should be performed once the outdoor units have been connected but before the indoor units are connected.

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## 5.8.2 Procedure

## Notes for installers

**Warning**

Only use nitrogen for flushing. Using carbon dioxide risks leaving condensation in the piping. Oxygen, air, refrigerant, flammable gases and toxic gases must not be used for flushing. Use of such gases may result in fire or explosion.

**Procedure**

The liquid and gas sides can be flushed simultaneously; alternatively, one side can be flushed first and then Steps 1 to 8 repeated, for the other side. The flushing procedure is as follows:

1. Cover the inlets and outlets of the indoor units to prevent dirt getting blown in during pipe flushing. (Pipe flushing should be carried out before connecting the indoor units to the piping system.)
2. Attach a pressure reducing valve to a nitrogen cylinder.
3. Connect the pressure reducing valve outlet to the inlet on the liquid (or gas) side of the outdoor unit.
4. Use blind plugs to block all liquid (gas) side openings, except for the opening at the indoor unit which is furthest from the outdoor units ("Indoor unit A" in Figure 3-5.12).
5. Start to open the nitrogen cylinder valve and gradually increase the pressure to 0.5MPa.
6. Allow time for nitrogen to flow as far as the opening at indoor unit A.
7. Flush the first opening:
  - a) Using suitable material, such as a bag or cloth, press firmly against the opening at indoor unit A.
  - b) When the pressure becomes too high to block with your hand, suddenly remove your hand allowing gas to rush out.
  - c) Repeatedly flush in this manner until no further dirt or moisture is emitted from the piping. Use a clean cloth to check for dirt or moisture being emitted. Seal the opening once it has been flushed.
8. Flush the other openings in the same manner, working in sequence from indoor unit A towards the outdoor units. Refer to Figure 3-5.13.
9. Once flushing is complete, seal all openings to prevent dust and moisture from entering.

Figure 3-5.12: Pipe flushing using nitrogen

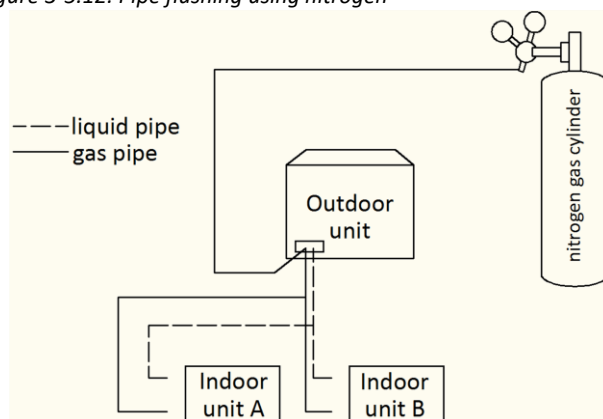
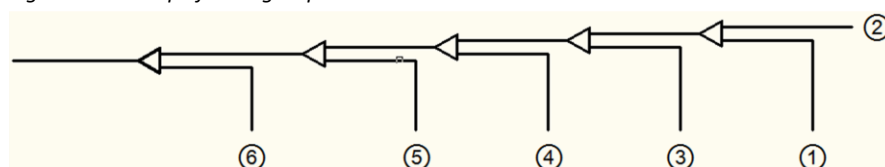


Figure 3-5.13: Pipe flushing sequence<sup>1</sup>



Notes:

1. 1-2-3-4-5-6 working towards the outdoor units.

## 5.9 Gastightness Test

### 5.9.1 Purpose

To prevent faults caused by refrigerant leakage, a gastightness test should be performed before system commissioning.

### 5.9.2 Procedure

#### Notes for installers



#### Warning

Only dry nitrogen should be used for gastightness testing. Oxygen, air, flammable gases and toxic gases must not be used for gastightness testing. Use of such gases may result in fire or explosion.

#### Procedure

The gastightness test procedure is as follows:

##### Step 1

- Once the piping system is complete and the indoor and outdoor units have been connected, vacuum the piping to -0.1MPa.

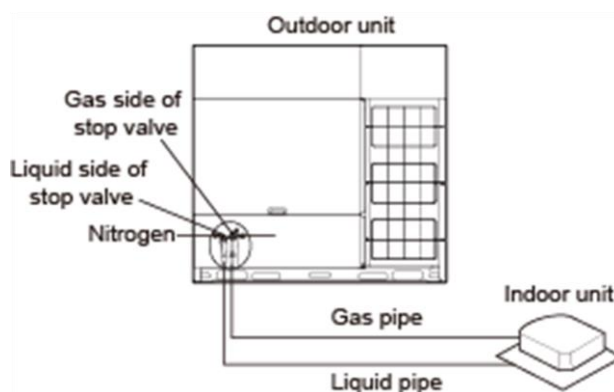
##### Step 2

- Charge the indoor piping with nitrogen at 0.3MPa through the needle valves on the liquid and gas stop valves and leave for at least 3 minutes (do not open the liquid or gas stop valves). Observe the pressure gauge to check for large leakages. If there is a large leakage, the pressure gauge will drop quickly.
- If there are no large leakages, charge the piping with nitrogen at 1.5MPa and leave for at least 3 minutes. Observe the pressure gauge to check for small leakages. If there is a small leakage, the pressure gauge will drop distinctly.
- If there are no small leakages, charge the piping with nitrogen at 4.2MPa and leave for at least 24 hours to check for micro leakages. Micro leakages are difficult to detect. To check for micro leakages, allow for any change in ambient temperature over the test period by adjusting the reference pressure by 0.01MPa per 1°C of temperature difference. Adjusted reference pressure = Pressure at pressurization + (temperature at observation – temperature at pressurization) x 0.01MPa. Compare the observed pressure with the adjusted reference pressure. If they are the same, the piping has passed the gastightness test. If the observed pressure is lower than the adjusted reference pressure, the piping has a micro leakage.
- If the leakage is detected, refer to Part 3, 5.9.3 “Leak detection”. Once the leak has been found and fixed, the gastightness test should be repeated.

##### Step 3

- If not continuing straight to vacuum drying (see Part 3, 5.10 “Vacuum Drying”) once the gastightness test is complete, reduce the system pressure to 0.5-0.8MPa and leave the system pressurized until ready to carry out the vacuum drying procedure.

Figure 3-5.14: Gastightness test



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### 5.9.3 Leak detection

#### Notes for installers



The general methods for identifying the source of a leak are as follows:

1. Audio detection: relatively large leaks are audible.
2. Touch detection: place your hand at joints to feel for escaping gas.
3. Soapy water detection: small leaks can be detected by the formation of bubbles when soapy water is applied to a joint.
4. Refrigerant leak detection: for leaks that are difficult to detect, refrigerant leak detection may be used as follows:
  - a) Pressurize the piping with nitrogen at 0.3MPa.
  - b) Add refrigerant into the piping until the pressure reaches 0.5MPa.
  - c) Use a halogen refrigerant detector to find the leak.
  - d) If the leak source cannot be found, continuing charging with refrigerant to a pressure of 4MPa and then search again.

## 5.10 Vacuum Drying

### 5.10.1 Purpose

Vacuum drying should be performed in order to remove moisture and non-condensable gases from the system. Removing moisture prevents ice formation and oxidization of copper piping or other internal components. The presence of ice particles in the system would cause abnormal operation, whilst particles of oxidized copper can cause compressor damage. The presence of non-condensable gases in the system would lead to pressure fluctuations and poor heat exchange performance.

Vacuum drying also provides additional leak detection (in addition to the gastightness test).

## 5.10.2 Procedure

## Notes for installers



During vacuum drying, a vacuum pump is used to lower the pressure in the piping to the extent that any moisture present evaporates. At 5mmHg (755mmHg below typical atmospheric pressure) the boiling point of water is 0°C. Therefore a vacuum pump capable of maintaining a pressure of -756mmHg or lower should be used. Using a vacuum pump with a discharge in excess of 4L/s and a precision level of 0.02mmHg is recommended.

## Caution

- Before performing vacuum drying, make sure that all the outdoor unit stop valves are firmly closed.
- Once the vacuum drying is complete and the vacuum pump is stopped, the low pressure in the piping could suck vacuum pump lubricant into the air conditioning system. The same could happen if the vacuum pump stops unexpectedly during the vacuum drying procedure. Mixing of pump lubricant with compressor oil could cause compressor malfunction and a one-way valve should therefore be used to prevent vacuum pump lubricant seeping into the piping system.

## Procedure

The vacuum drying procedure is as follows:

## Step 1

- Connect the blue (low pressure side) hose of a pressure gauge to the master unit gas pipe stop valve, the red (high pressure side) hose to the master unit liquid pipe stop valve and the yellow hose to the vacuum pump.

## Step 2

- Start the vacuum pump and then open the pressure gauge valves to start vacuum the system.
- After 30 minutes, close the pressure gauge valves.
- After a further 5 to 10 minutes check the pressure gauge. If the gauge has returned to zero, check for leakages in the refrigerant piping.

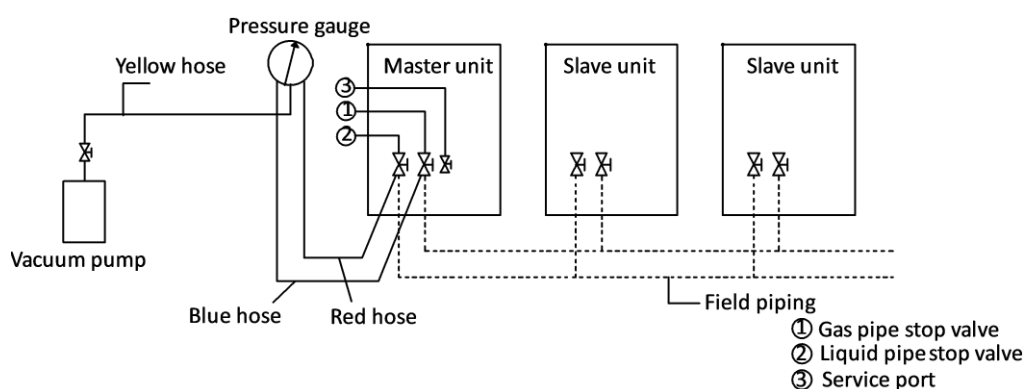
## Step 3

- Re-open the pressure gauge valves and continue vacuum drying for at least 2 hours and until a pressure difference of 756mmHg or more has been achieved. Once the pressure difference of at least 756mmHg has been achieved, continue vacuum drying for 2 hours.

## Step 4

- Close the pressure gauge valves and then stop the vacuum pump.
- After 1 hour, check the pressure gauge. If the pressure in the piping has not increased, the procedure is finished. If the pressure has increased, check for leakages.
- After vacuum drying, **keep the blue and red hoses connected to the pressure gauge and to the master unit stop valves**, in preparation for refrigerant charging (see Part 3, 8 "Charging Refrigerant").

Figure 3-5.15: Vacuum drying



Pressure gauge

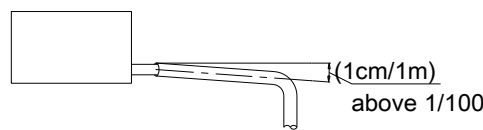
## 6 Drain Piping

### 6.1 Design Considerations

Drain piping design should take account of the following considerations:

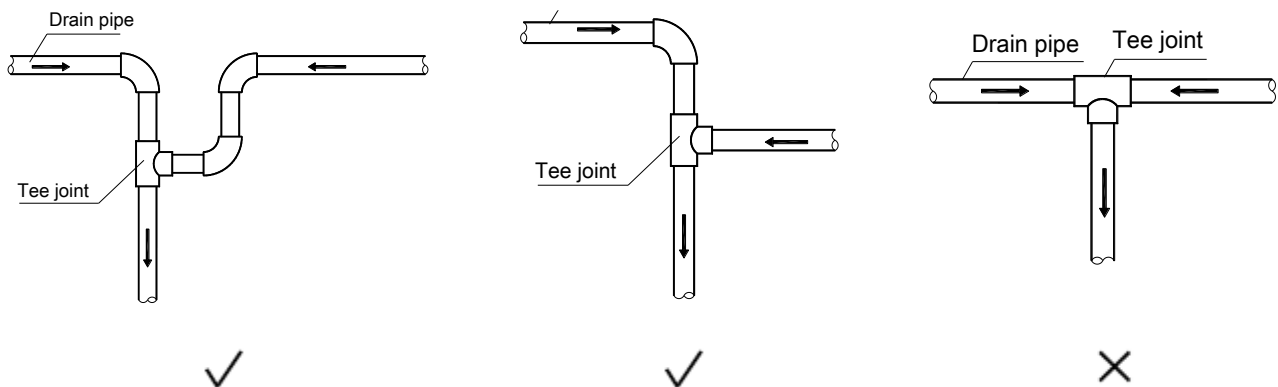
- Indoor unit condensate drain piping needs to be of sufficient diameter to carry the volume of condensate produced at the indoor units and installed at a slope sufficient to allow drainage. Discharge as close as possible to the indoor units is usually preferable.
- To prevent the drain piping becoming excessively long, consideration should be given to installing multiple drain piping systems, with each system having its own drainage point and providing drainage for a subset of the overall set of indoor units.
- The routing of drain piping should take into consideration the need to maintain sufficient slope for drainage whilst avoiding obstacles such as beams and ducting. The drain piping slope should be at least 1:100 away from indoor units. Refer to Figure 3-6.1.

Figure 3-6.1: Drain piping minimum slope requirement



- To avoid backflow and other potential complications, two horizontal drain pipes should not meet at the same level. Refer to the Figure 3-6.2 for suitable connection arrangements. Such arrangements also allow the slope of the two horizontal pipes to be selected independently.

Figure 3-6.2: Drain piping joints – correct and incorrect configurations



- Branch drain piping should join main drain piping from the top, as shown in Figure 3-6.3.
- Recommended support/hanger spacing is 0.8 – 1.0m for horizontal piping and 1.5 – 2.0m for vertical piping. Each vertical section should be fitted with at least two supports. For horizontal piping, spacing greater than those recommended leads to sagging and deformation of the pipe profile at the supports which impedes water flow and should therefore be avoided.
- Air vents should be fitted at the highest point of each drain piping system to ensure that condensation is discharged smoothly. U-bends or elbow joints should be used such that the vents face downwards, to prevent dust entering the piping. Refer to Figure 3-6.5. Air vents should not be installed too close to indoor unit lift pumps.

Figure 3-6.3: Branch drain piping joining main drain piping

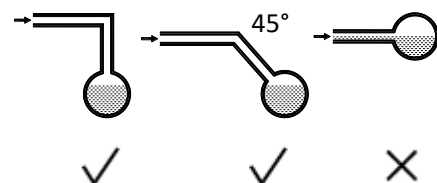


Figure 3-6.4: Effect of insufficient drain piping support

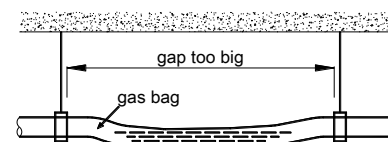
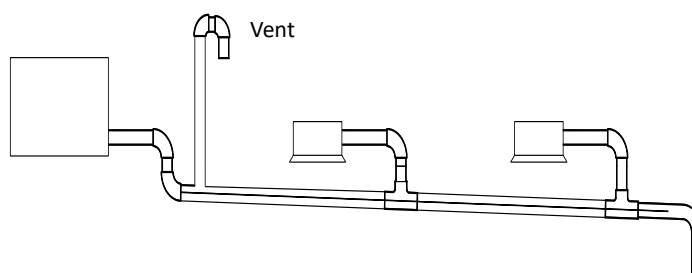


Figure 3-6.5: Drain piping air vents

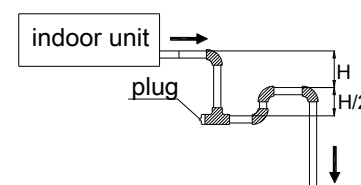


- Air conditioner drain piping should be installed separately from waste, rainwater and other drain piping and should not come into direct contact with the ground.
- Drain piping diameter should be not less than the indoor units' drain piping connection.
- To allow inspection and maintenance, the piping clamps shipped with units should be used to attach drain piping to indoor units – adhesive should not be used.
- Thermal insulation should be added to drain piping to prevent condensation forming. Thermal insulation should extend all the way to the connection with the indoor unit.
- Units with drain pumps should have separate drain piping systems from systems that use natural drainage.

## 6.2 Water Traps

For indoor units with a high negative pressure differential at the outlet of the drainage pan, a trap should be fitted to the drain piping to prevent poor drainage and/or water being blown back into the drainage pan. Traps should be arranged as in Figure 3-6.6. The vertical separation  $H$  should be in excess of 50mm. A plug may be fitted to allow cleaning or inspection.

Figure 3-6.6: Drain piping water traps



## 6.3 Selecting Piping Diameters

Select branch drainage piping (the drain piping connection to each unit) diameters according to indoor unit flow volume and select main drainage piping diameters according to the combined flow volume of the upstream indoor units. Use a design assumption of 2 liters of condensate per horsepower per hour. For example, the combined flow volume of three 2HP units and two 1.5HP units would be calculated as follows:

$$\begin{aligned} \text{Combined flow volume} &= 3 \times 2 \text{ L/HP/h} \times 2\text{HP} + 2 \times 2 \text{ L/HP/h} \times 1.5\text{HP} = 18 \text{ L/h} \end{aligned}$$

Tables 3-6.1 and 3-6.2 specify the required piping diameters for horizontal and vertical branch piping and for main piping. Note that main piping should use PVC40 or larger.

Table 3-6.1: Horizontal drain piping diameters

| PVC piping | Nominal diameter (mm) | Capacity (L/h) |             | Remarks               |
|------------|-----------------------|----------------|-------------|-----------------------|
|            |                       | Slope 1:50     | Slope 1:100 |                       |
| PVC25      | 25                    | 39             | 27          | Branch piping only    |
| PVC32      | 32                    | 70             | 50          |                       |
| PVC40      | 40                    | 125            | 88          | Branch or main piping |
| PVC50      | 50                    | 247            | 175         |                       |
| PVC63      | 63                    | 473            | 334         |                       |



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Table 3-6.2: Vertical drain piping diameters

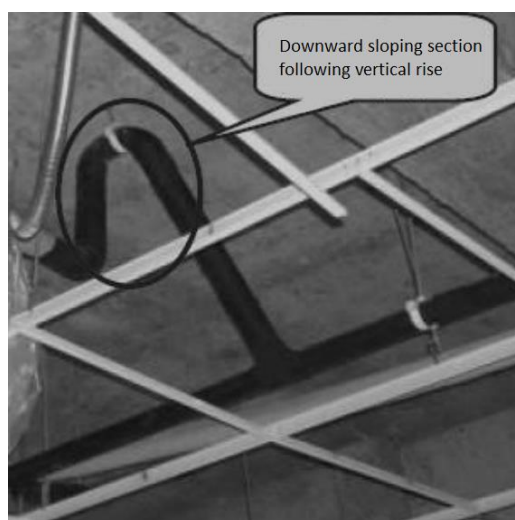
| PVC piping | Nominal diameter (mm) | Capacity (L/h) | Remarks               |
|------------|-----------------------|----------------|-----------------------|
| PVC25      | 25                    | 220            | Branch piping only    |
| PVC32      | 32                    | 410            |                       |
| PVC40      | 40                    | 730            |                       |
| PVC50      | 50                    | 1440           | Branch or main piping |
| PVC63      | 63                    | 2760           |                       |
| PVC75      | 75                    | 5710           |                       |
| PVC90      | 90                    | 8280           |                       |

### 6.4 Drain Piping for Units with Lift Pumps

Drain piping for units with lift pumps should take account of the following additional considerations:

- A downward sloping section should immediately follow the vertically rising section adjacent to the unit, otherwise a water pump error will occur. Refer to Figure 3-6.7.
- Air vents should not be installed on vertically rising sections of drain piping, otherwise water may be discharged through the air vent or water flow may be impeded.

Figure 3-6.7: Downward sloping section of drain piping



### 6.5 Drain Piping Installation

#### Notes for installers



Installation of the drain piping should proceed in the following order:



#### Caution

- Ensure that all joints are firm and once the drain piping is all connected conduct a watertightness test and water flow test.
- Do not connect air conditioner drain piping to waste, rainwater or other drain piping and do not let air conditioner drain piping come into direct contact with the ground.
- For units with drain pumps, test that the drain pump functions properly by adding water to the unit's drainage pan and running the unit. To allow inspection and maintenance, the pipe clamps shipped with units should be used to attach drain piping to indoor units – adhesive should not be used.

## 6.6 Watertightness Test and Water Flow Test

Once installation of a drainage piping system is complete, watertightness and water flow tests should be performed.

### Notes for installers



#### Watertightness test

- Fill the piping with water and test for leakages over a 24-hour period.

#### Water flow test (natural drainage test)

- Slowly fill the drainage pan of each indoor unit with at least 600ml of water through the inspection port and check that the water is discharged through the outlet of the drain piping.

#### Caution

- The drain plug in the drainage pan is for removing accumulated water prior to performing indoor unit maintenance. During normal operation, the drain should be plugged to prevent leakage.

## 7 Insulation

### 7.1 Refrigerant Piping Insulation

#### 7.1.1 Purpose

During operation, the temperature of the refrigerant piping varies. Insulation is required to ensure unit performance and compressor lifespan. During cooling, the gas pipe temperature can be very low. Insulation prevents condensation forming on the piping. During heating, the gas pipe temperature can rise to as high as 100°C. Insulation serves as necessary protection from burns.

#### 7.1.2 Selecting insulation materials

Refrigerant piping insulation should be closed-cell foam of B1 fire resistance rating that can withstand a constant temperature of over 120°C and that complies with all applicable legislation.

#### 7.1.3 Thickness of insulation

Minimum thicknesses for refrigerant piping insulation are specified in Table 3-7.1. In hot, humid environments, the thickness of insulation should be increased over and above the specifications in Table 3-7.1.

Table 3-7.1: Refrigerant piping insulation thickness

| Pipe outer diameter (mm) | Minimum insulation thickness (mm)<br>Humidity < 80%RH | Minimum insulation thickness (mm)<br>Humidity ≥ 80%RH |
|--------------------------|-------------------------------------------------------|-------------------------------------------------------|
| Φ6.35                    | 15                                                    | 20                                                    |
| Φ9.52                    |                                                       |                                                       |
| Φ12.7                    |                                                       |                                                       |
| Φ15.9                    |                                                       |                                                       |
| Φ19.1                    |                                                       |                                                       |
| Φ22.2                    |                                                       |                                                       |
| Φ25.4                    |                                                       |                                                       |
| Φ28.6                    |                                                       |                                                       |
| Φ31.8                    |                                                       |                                                       |
| Φ38.1                    |                                                       |                                                       |
| Φ41.3                    | 20                                                    | 25                                                    |
| Φ44.5                    |                                                       |                                                       |
| Φ54.0                    |                                                       |                                                       |
| Φ63.5                    |                                                       |                                                       |

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### 7.1.4 Installation of piping insulation

With the exception of joint insulation, insulation should be applied to piping before fixing the piping in place. Insulation at joints in refrigerant piping should be applied after the gastightness test has been completed.

#### Notes for installers



- Installation of insulation should be carried out in a manner suited to the type of insulation material being used.
- Ensure there are no gaps at the joints between sections of insulation.
- Do not apply tape too tightly as doing so may shrink insulation, reducing its insulating properties leading to condensation and loss of efficiency.
- Insulate gas and liquid pipes separately, otherwise heat exchange between the two sides will greatly impact efficiency.
- Do not bind the separately insulated gas and liquid pipes together too tightly as doing so can damage the joints between sections of insulation.

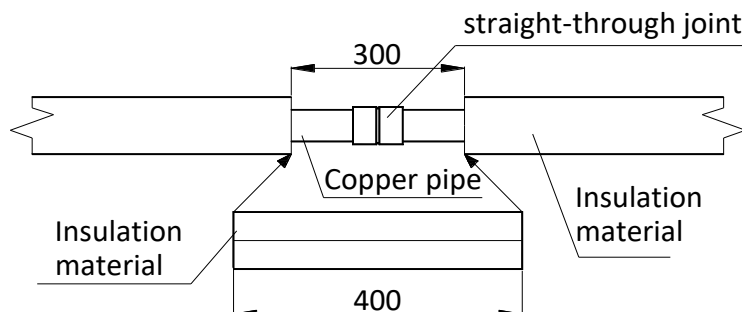
### 7.1.5 Installation of joint insulation

Insulation at joints in the refrigerant piping should be installed after the gastightness test has been successfully completed.

The procedure at each joint is as follows:

1. Cut a section of insulation 50 to 100mm longer than the gap to be filled. Ensure that the cross-sectional and longitudinal openings are all cut evenly.
2. Embed the section into the gap ensuring that the ends abut tightly to the sections of insulation either side of the gap.
3. Glue the longitudinal cut and the joints with the sections of insulation either side of the gap.
4. Seal the seams with tape.

Figure 3-7.1: Installation of joint insulation (unit: mm)



### 7.2 Drain Piping Insulation

- Use rubber/plastic insulating tube with a B1 fire resistance rating.
- The insulation should typically be in excess of 10mm thick.
- For drain piping installed inside a wall, insulation is not required.
- Use suitable adhesive to seal seams and joints in the insulation and then bind with cloth reinforced tape of width not less than 50mm. Ensure tape is fixed firmly to avoid condensation.
- Ensure the drain piping insulation adjacent to the indoor unit drainage water outlet is fixed to the unit itself using adhesive, to prevent condensation and dripping.

### 7.3 Ducting Insulation

- Suitable insulation should be added to ducting in according with all applicable legislation.

## 8 Charging Refrigerant

### 8.1 Calculating Additional Refrigerant Charge

Total additional refrigerant charge amount (R) is equal to the sum of R1 and R2, calculate the amount of refrigerant to be charged according to the formula below:

$$R \text{ (kg)} = R1 + R2.$$

#### 8.1.1 Calculating the additional refrigerant charge calculation for liquid piping (R1 kg)

The additional refrigerant charge calculation for liquid piping depends on the lengths and diameters of the outdoor and indoor liquid pipes. Table 3-8.1 shows the additional refrigerant charge required per meter of equivalent pipe length for different diameters of pipe. The total additional refrigerant charge is obtained by summing the additional charge requirements for each of the outdoor and indoor liquid pipes, as in the following formula, where  $L_1$  to  $L_8$  represent the equivalent lengths of the pipes of different diameters. Assume 0.5m for the equivalent pipe length of each branch joint.

$$\begin{aligned} \text{Additional refrigerant charge } R \text{ (kg)} &= L_1 (\Phi 6.35) \times 0.022 \\ &+ L_2 (\Phi 9.52) \times 0.057 \\ &+ L_3 (\Phi 12.7) \times 0.110 \\ &+ L_4 (\Phi 15.9) \times 0.170 \\ &+ L_5 (\Phi 19.1) \times 0.260 \\ &+ L_6 (\Phi 22.2) \times 0.360 \\ &+ L_7 (\Phi 25.4) \times 0.520 \\ &+ L_8 (\Phi 28.6) \times 0.680 \end{aligned}$$

Table 3-8.1: Additional refrigerant charge

| Liquid side piping (mm) | Additional refrigerant charge per meter of equivalent length of piping (kg) |
|-------------------------|-----------------------------------------------------------------------------|
| Φ6.35                   | 0.022                                                                       |
| Φ9.52                   | 0.057                                                                       |
| Φ12.7                   | 0.110                                                                       |
| Φ15.9                   | 0.170                                                                       |
| Φ19.1                   | 0.260                                                                       |
| Φ22.2                   | 0.360                                                                       |
| Φ25.4                   | 0.520                                                                       |
| Φ28.6                   | 0.680                                                                       |

#### 8.1.2 Calculating the additional refrigerant charge quantity for outdoor unit (R2 kg)

The additional refrigerant charge quantity for outdoor unit depends on the capacity of connected outdoor units. In case of a combined system, add the sum of the each outdoor unit charge amount. Select the refrigerant quantity for each outdoor unit from the following table.

Table 3-8.2: Additional refrigerant charge quantity for outdoor unit (unit: kg)

| HP                                 | 8HP | 10HP | 12HP | 14HP | 16HP | 18HP | 20HP | 22HP | 24HP | 26HP | 28HP | 30HP | 32HP |
|------------------------------------|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| Additional refrigerant Charge (kg) | 0   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 7    | 9    | 9    | 9    |

Strictly following the additional refrigerant charging amount calculation method, and determine that the additional amount shall not exceed the maximum refrigerant additional amount shown in table 3-8.3. If the additional refrigerant amount exceeds the limits, the total length of the pipeline construction scheme shall be shortened and the refrigerant charging amount shall be recalculated to meet the requirements.

Table 3-8.3: Maximum additional refrigerant charge amount (unit: kg)

| Model | Maximum additional refrigerant | Model | Maximum additional refrigerant | Model | Maximum additional refrigerant |
|-------|--------------------------------|-------|--------------------------------|-------|--------------------------------|
| 8HP   | 30.9                           | 38HP  | 70.8                           | 68HP  | 92.7                           |
| 10HP  | 32.6                           | 40HP  | 71.1                           | 70HP  | 93.1                           |
| 12HP  | 35.5                           | 42HP  | 71.4                           | 72HP  | 93.4                           |
| 14HP  | 37.0                           | 44HP  | 71.6                           | 74HP  | 93.7                           |
| 16HP  | 38.8                           | 46HP  | 72.0                           | 76HP  | 93.9                           |
| 18HP  | 41.9                           | 48HP  | 72.3                           | 78HP  | 94.2                           |
| 20HP  | 41.9                           | 50HP  | 72.5                           | 80HP  | 94.6                           |
| 22HP  | 41.9                           | 52HP  | 72.8                           | 82HP  | 94.8                           |
| 24HP  | 41.9                           | 54HP  | 73.1                           | 84HP  | 95.1                           |
| 26HP  | 69.0                           | 56HP  | 73.4                           | 86HP  | 95.4                           |
| 28HP  | 69.3                           | 58HP  | 73.7                           | 88HP  | 95.7                           |
| 30HP  | 69.6                           | 60HP  | 74.0                           | 90HP  | 96.0                           |
| 32HP  | 69.9                           | 62HP  | 74.3                           | 92HP  | 96.2                           |
| 34HP  | 70.2                           | 64HP  | 74.6                           | 94HP  | 114.1                          |
| 36HP  | 70.5                           | 66HP  | 74.9                           | 96HP  | 114.4                          |

Notes:

1. The maximum addition refrigerant charge amount is based on the recommended combination.

## 8.2 Adding Refrigerant

### Notes for installers



#### Caution

- Only charge refrigerant after performing a gastightness test and vacuum drying.
- Never charge more refrigerant than required as doing so can lead to liquid hammering.
- Only use refrigerant R410A - charging with an unsuitable substance may cause explosions or accidents.
- Use tools and equipment designed for use with R410A to ensure required pressure resistance and to prevent foreign materials from entering the system.
- Refrigerant must be treated in accordance with applicable legislation.
- Always use protective gloves and protect your eyes when charging refrigerant.
- Open refrigerant containers slowly.
- The power supply for all outdoor units should be turned on, when add refrigerant.

#### Procedure

The procedure for adding refrigerant is as follows:

##### Step 1

- Calculate additional refrigerant charge R (kg) (see Part 3, 8.1 “Calculating Additional Refrigerant Charge”)

##### Step 2

- Place a tank of R410A refrigerant on a weighing scale. Turn the tank upside down to ensure refrigerant is charged in a liquid state. (R410A is a blend of two different chemicals compounds. Charging gaseous R410A into the system could mean that the refrigerant charged is not of the correct composition).
- After vacuum drying (see Part 3, 5.10 “Vacuum Drying”), the blue and red pressure gauge hoses should still be connected to the pressure gauge and to the master unit stop valves.
- Connect the yellow hose from the pressure gauge to the R410A refrigerant tank.

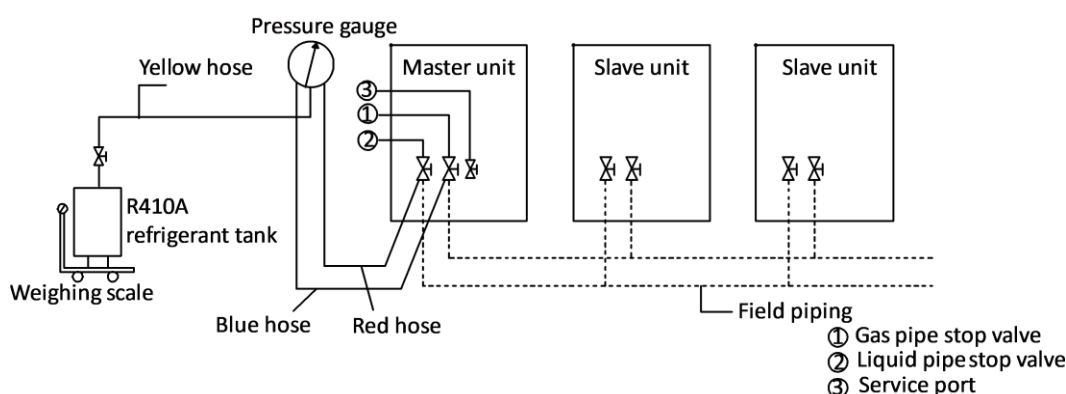
##### Step 3

- Open the valve where the yellow hose meets the pressure gauge, and open the refrigerant tank slightly to let the refrigerant eliminate the air. Caution: open the tank slowly to avoid freezing your hand.
- Set the weighing scale to zero.

##### Step 4

- Open the three valves on the pressure gauge to begin charging refrigerant.
- When the amount charged reaches R (kg), close the three valves. If the amount charged has not reached R (kg) but no additional refrigerant can be charged, close the three valves on the pressure gauge, run the outdoor units in cooling mode, and then open the yellow and blue valves. Continue charging until the full R (kg) of refrigerant has been charged, then close the yellow and blue valves. Note: Before running the system, be sure to complete all the pre-commissioning checks as listed in Part 3. “Pre-commissioning Checks” and be sure to open all stop valves as running the system with the stop valves closed would damage the compressor.

Figure 3-8.1: Charging refrigerant



Pressure gauge

## 9 Electrical Wiring

### 9.1 General

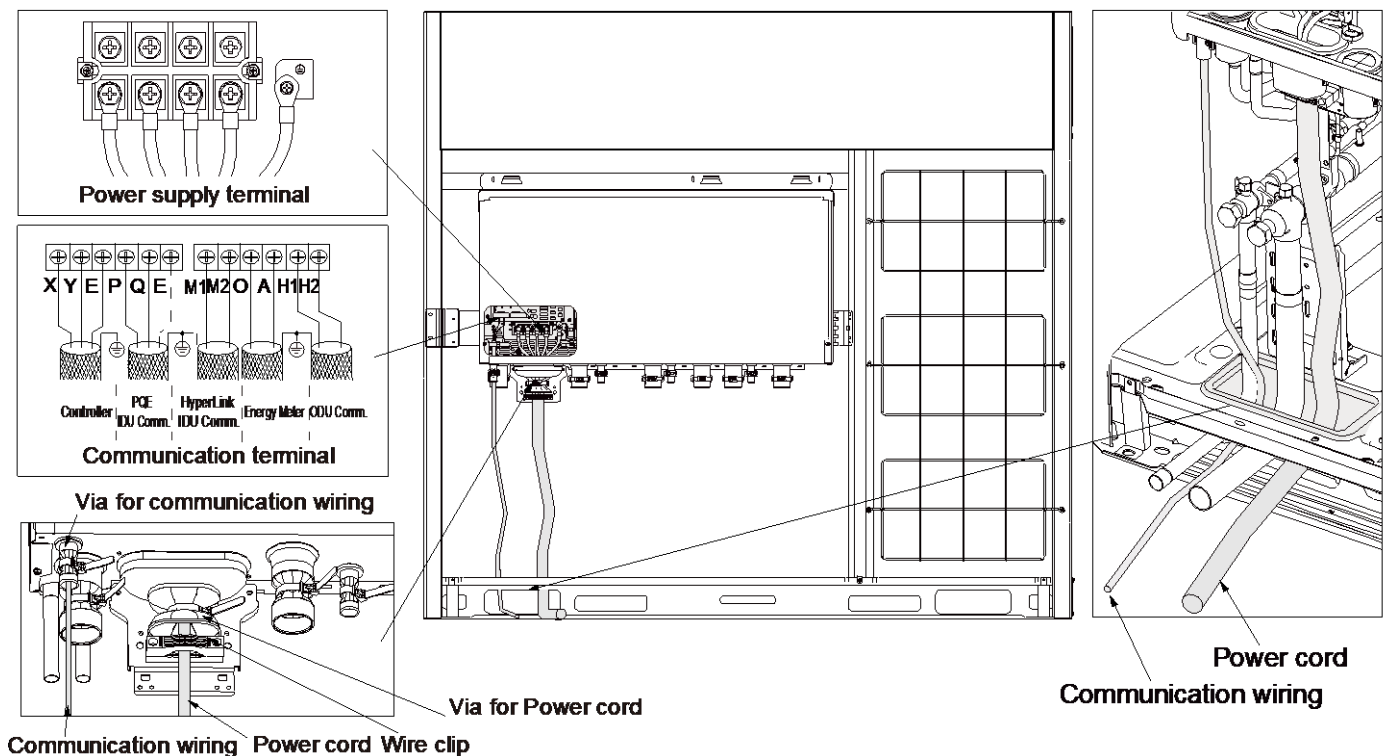
#### Notes for installers



##### Caution

- All installation and wiring must be carried out by competent and suitably qualified, certified and accredited professionals and in accordance with all applicable legislation.
- Use only wires with copper cores for the connections.
- Wiring must be carried out in strict accordance with what is stated in the product nameplate.
- Electrical systems should be grounded in accordance with all applicable legislation. Do not connect the earth wire to public pipes, telephone earth wires, surge absorbers and other places that are not designed for grounding. Improper grounding may cause electric shock.
- Overcurrent circuit breakers and residual-current circuit breakers (ground fault circuit interrupters) should be used in accordance with all applicable legislation.
- Wiring patterns shown in this data book are general connection guides only and are not intended for, or to include all details for, any specific installation.
- The refrigerant piping, power wiring and communication wiring are typically run in parallel. However, if HyperLink communication is not activated, the communication wiring should not be bound together with the refrigerant piping or power wiring. To prevent signal interference, the power wiring and communication wiring should not be run in the same conduit. If the power supply is less than 10A, a separation of at least 300mm between power wiring and communication wiring conduits should be maintained; if the power supply is in the range 10A to 50A then a separation of at least 500mm should be maintained.

Figure 3-9.1: Wiring layout



## 9.2 Power Supply Wiring

Power supply wiring design and installation should adhere to the following requirements:

- Separate power supplies should be provided for the indoor units and outdoor units.
- Where five or more outdoor units are installed, additional residual current protection (leakage protection) should be installed.
- All the indoor units in a system (i.e. all the indoor units connected to the same set of outdoor units) should be tied into the same power circuit with the same power supply, overcurrent and residual current protection (leakage protection) and manual switch, as shown in Figure 3-9.2. Do not install separate protectors or manual switches for each indoor unit. Powering on and shutting down all indoor units in a system should be done simultaneously. The reason for this is that if an indoor unit that is running were to suddenly power off whilst the other indoor units continued running, the evaporator of the powered-off unit would freeze since refrigerant would continue flowing to that unit (its expansion valve would still be open) but its fan would have stopped. The indoor units that remain running would not get sufficient refrigerant so their performance would suffer. Additionally, liquid refrigerant returning directly to the compressor from the powered-off unit would cause liquid hammering, potentially damaging the compressor.
- Indoor units can be powered separate when HyperLink communication is activated, refer to Part3, 9.3.4 “M1 M2 communication”.
- For outdoor unit power wire sizing and circuit breaker sizing, refer to Table 2-6.1 in Part 2, 6 “Electrical Characteristics”.

Figure 3-9.2: Outdoor unit power supply wiring

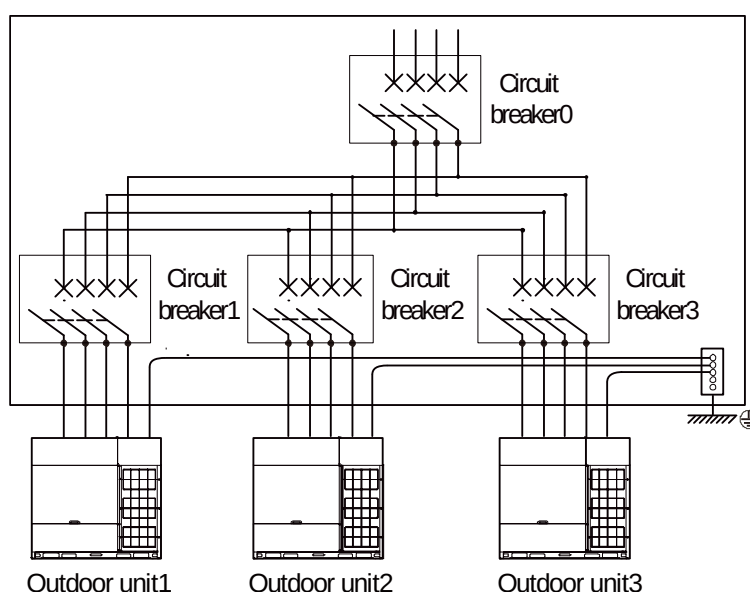
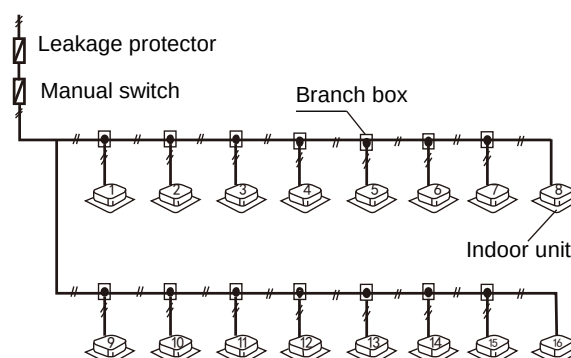


Figure 3-9.3: Indoor unit unified power supply wiring



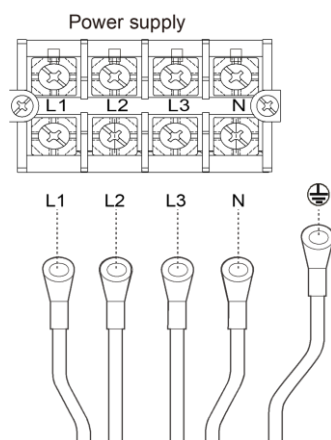


## Notes for installers



The 380-415V, 3N~, 50Hz power supply should be connected to the outdoor unit power supply terminals as shown in Figure 3-9.4.

Figure 3-9.4: Outdoor unit 3-phase power supply terminals



### 9.3 Communication Wiring

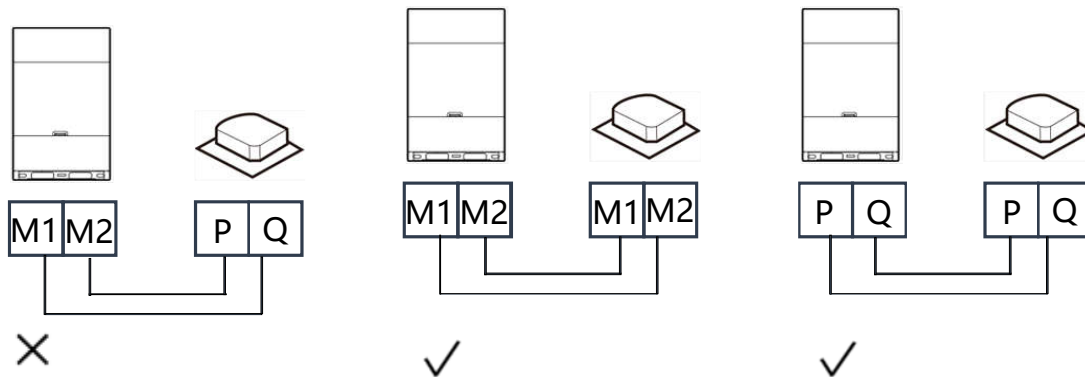
Communication wiring design and installation should adhere to the following requirements:

- Do not connect the communication line when the power is on.
- Connect the shielding nets at both ends of the shielded wire to the sheet metal “⊕” of the electronic control box.
- Do not connect the power cable to the terminal of communication line, otherwise, the motherboard will be damaged.
- Do not connect a system with both HyperLink (M1 M2) communication lines and P Q communication lines.
- On-site wiring must comply with the relevant regulations of the local Country/region and must be completed by professionals.
- The communication lines of the indoor and ODUs can only be connected from the master ODU.
- The communication lines between ODUs in combined system must be connected in a series.
- When a single communication line is not long enough, the joint must be crimped or soldered, and the copper wire at the joint shall not be exposed.
- When use HyperLink, It is forbidden to reverse the connection of the two communication ports (to up IDU) and (to down IDU) of the repeater.
- V8 PRO outdoor unit compatible with different generation indoor units, the communication connection type should follow table 3-9.1.

Table 3-9.1: Communication connection between ODU and IDUs

| Indoor unit generation                                                                                 | Communication connection type | Wire diameter (mm <sup>2</sup> ) | Length limitation (m)             |
|--------------------------------------------------------------------------------------------------------|-------------------------------|----------------------------------|-----------------------------------|
| All V8 indoor units and unified power supply                                                           | M1 M2 / P Q                   | 2x0.75                           | 2000 / 1200                       |
| All V8 indoor units and separate power supply                                                          | M1 M2                         | 2x1.5                            | 600<br>(2 repeaters are required) |
| All 3 <sup>rd</sup> generation indoor unit or 3 <sup>rd</sup> generation indoor unit + V8 indoor units | P Q                           | 2x0.75                           | 1200                              |
| Once there is 2 <sup>nd</sup> generation indoor unit in the system                                     | P Q E                         | 3x0.75                           | 1200                              |

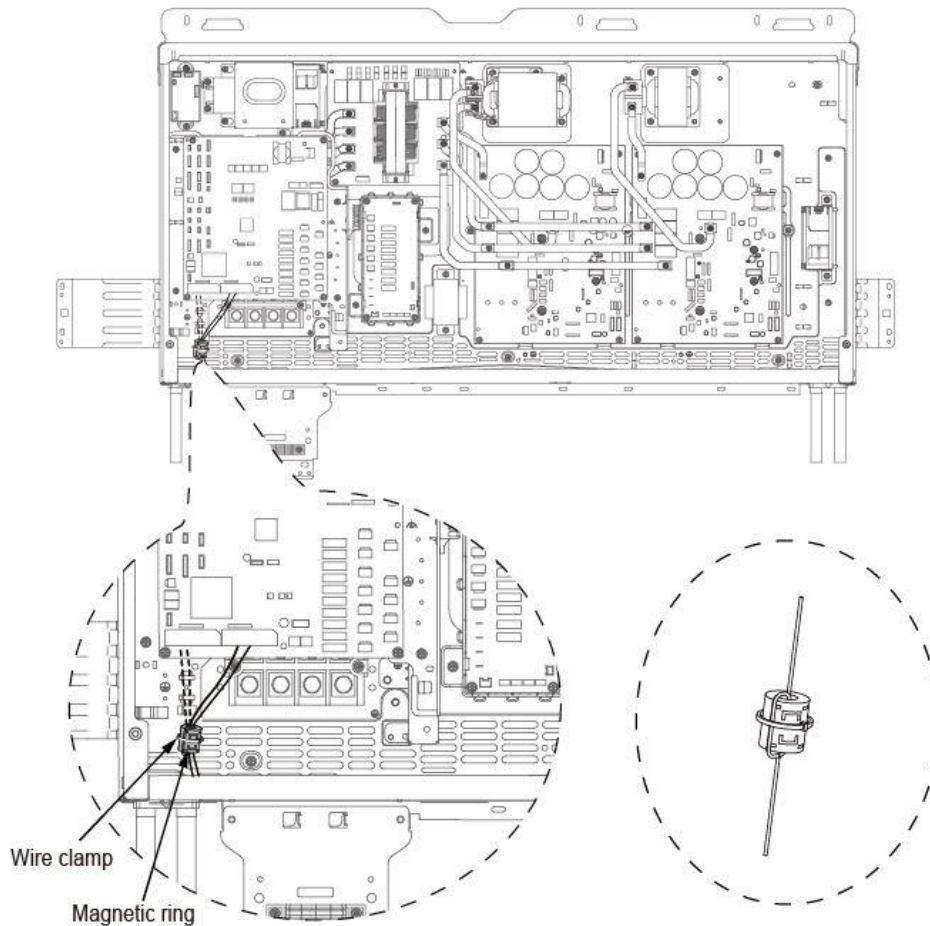
Figure 3-9.5: Communication wiring



### 9.3.1 The magnetic ring installation

For the system, the EMI effect of the communication line M1M2 (or PQE/PQ) can be improved by adding a magnetic ring. The installation is shown in the figure below. The magnetic ring needs to be fixed with the communication line (it can be wound for two turns), and placed in the electric control box and secured with a wire clamp.

Figure 3-9.6: The magnetic ring installation



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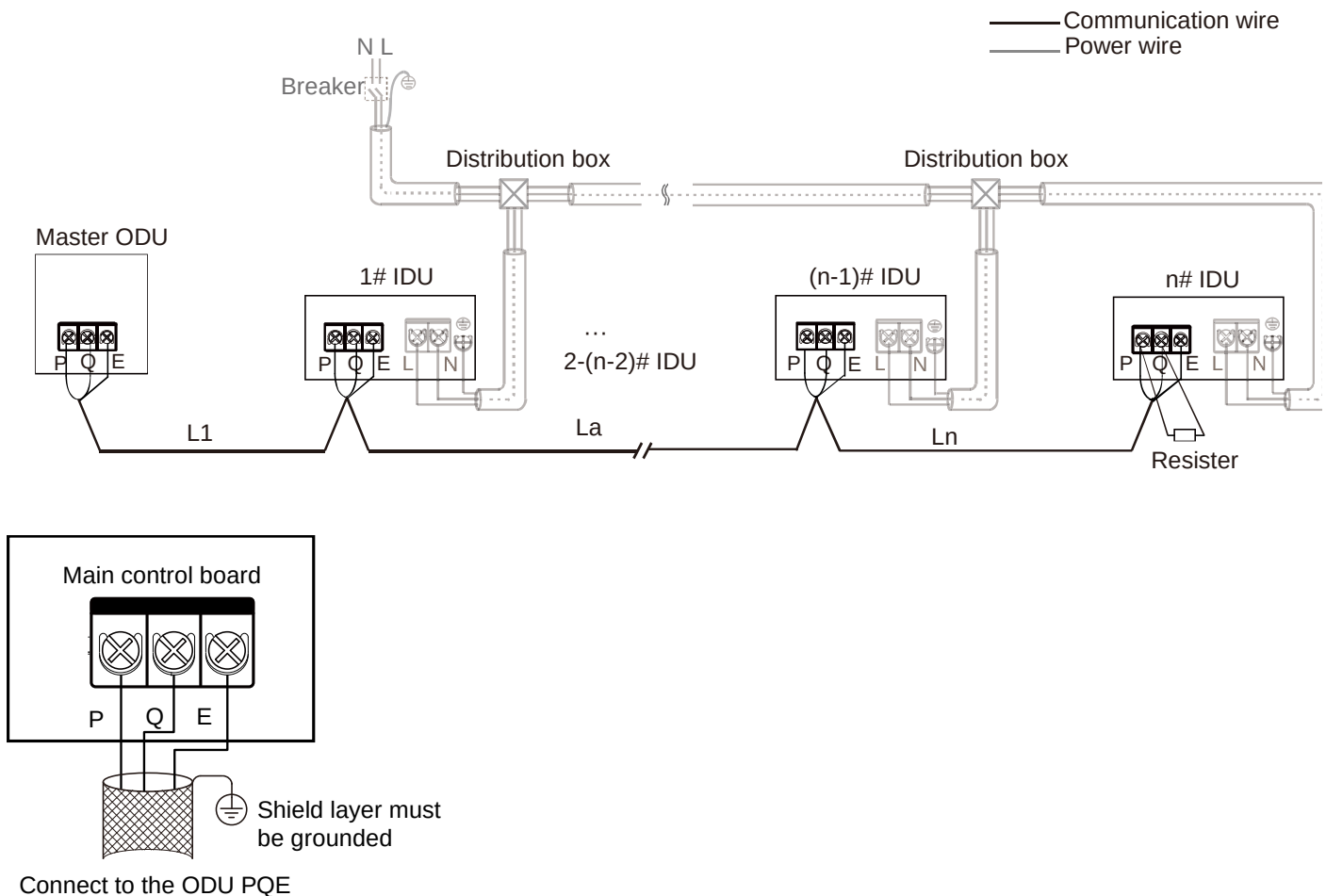
### 9.3.2 Outdoor unit and indoor units' P Q E communication

Communication wiring design and installation should adhere to the following requirements:

- 0.75mm<sup>2</sup> three-core shielded cable should be used for communication wiring. Using other types of cable can lead to interference and malfunction.
- Do not bind the communication line, refrigerant piping and power cable together.
- When the power cable and communication line are laid in parallel, the distance between the two lines must be 5cm or more to prevent signal source interference.
- The P Q E communication wires should be connected one unit after another in a daisy chain from the outdoor unit to the final indoor unit as shown in Figure 3-9.7. At the final indoor unit, a 120Ω resistor should be connected between the P and Q terminals. After the final indoor unit, the communication wiring should NOT be continued back to the outdoor unit – that is, do not attempt to form a closed loop.
- The P and Q communication wires should NOT be connecting to E.
- The shielding nets of the communication wires should be connected together and grounded. Grounding can be achieved by connecting to the metal casing adjacent to the P Q E terminals of the outdoor unit electrical control box.
- All IDUs in a system must be powered through a uniform power supply so that they can be powered on or off at the same time.
- The communication wiring (P, Q, E) must through the magnetic ring from the main board to the IDUs.

Figure 3-9.7: P Q E communication wiring configuration – IDUs uniform power supplied

- RS-485 (P Q E) communication wiring configuration  
 $L1 + La + Ln \leq 1200\text{m}$ . Communication wiring 3\*0.75mm<sup>2</sup>



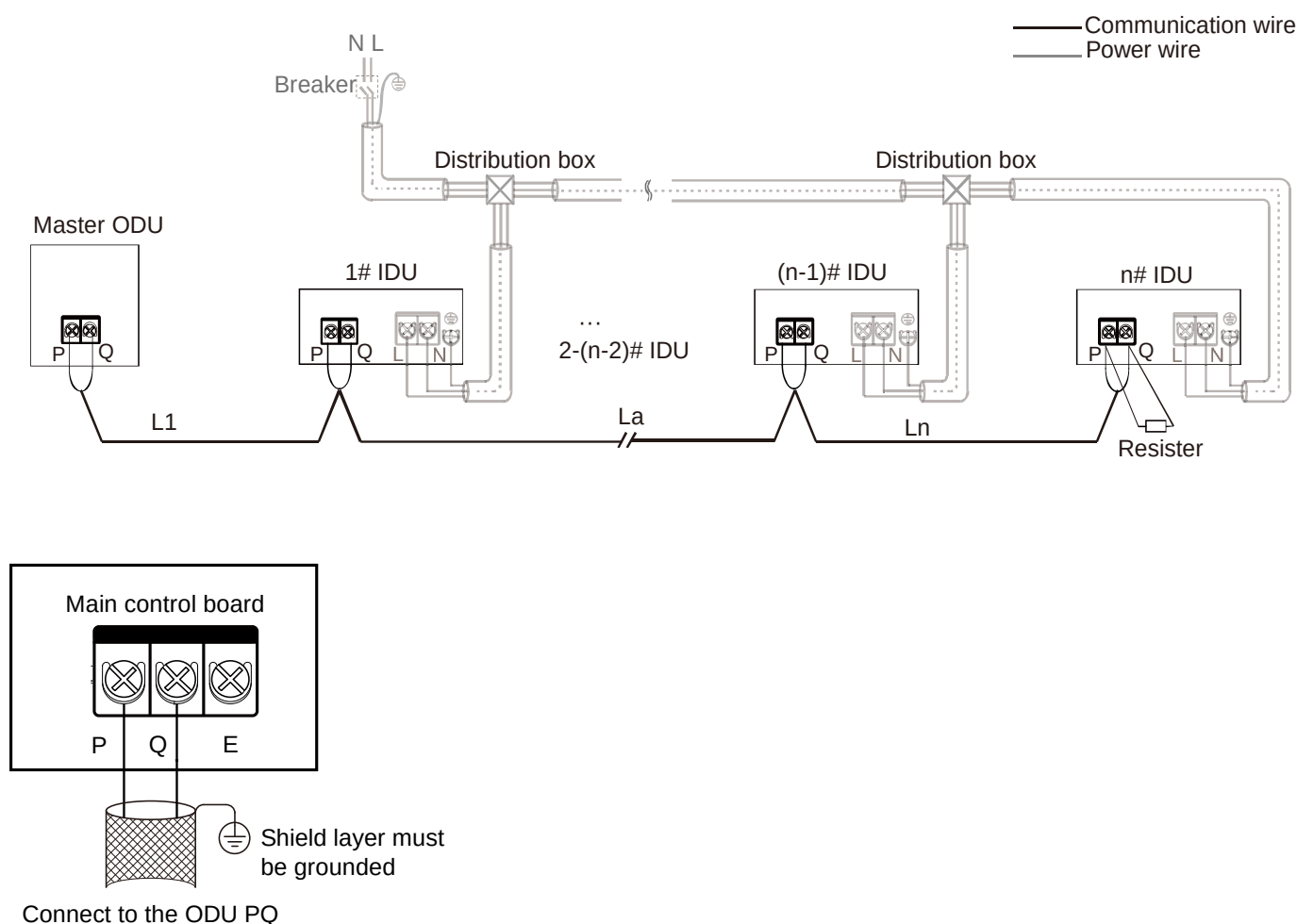
### 9.3.3 Outdoor unit and indoor units' P Q communication

Communication wiring design and installation should adhere to the following requirements:

- 0.75mm<sup>2</sup> two-core shielded cable should be used for communication wiring. Using other types of cable can lead to interference and malfunction.
- Do not bind the communication line, refrigerant piping and power cable together.
- The P Q communication wires should be connected one unit after another in a daisy chain from the outdoor unit to the final indoor unit as shown in Figure 3-9.8. At the final indoor unit, a 120Ω resistor should be connected between the P and Q terminals. After the final indoor unit, the communication wiring should NOT be continued back to the outdoor unit – that is, do not attempt to form a closed loop.
- The P and Q communication wires should NOT be connecting to E.
- The shielding nets of the communication wires should be connected together and grounded. Grounding can be achieved by connecting to the metal casing adjacent to the P Q E terminals of the outdoor unit electrical control box.
- All IDUs in a system must be powered through a uniform power supply so that they can be powered on or off at the same time

Figure 3-9.8: P Q communication wiring configuration – IDUs uniform power supplied

- RS-485 (P Q) communication wiring configuration  
 $L1 + La + Ln \leq 1200\text{m}$ . Communication wiring  $2 \times 0.75\text{mm}^2$



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### 9.3.4 Outdoor unit and indoor units' M1, M2 communication-IDUs uniform power supplied

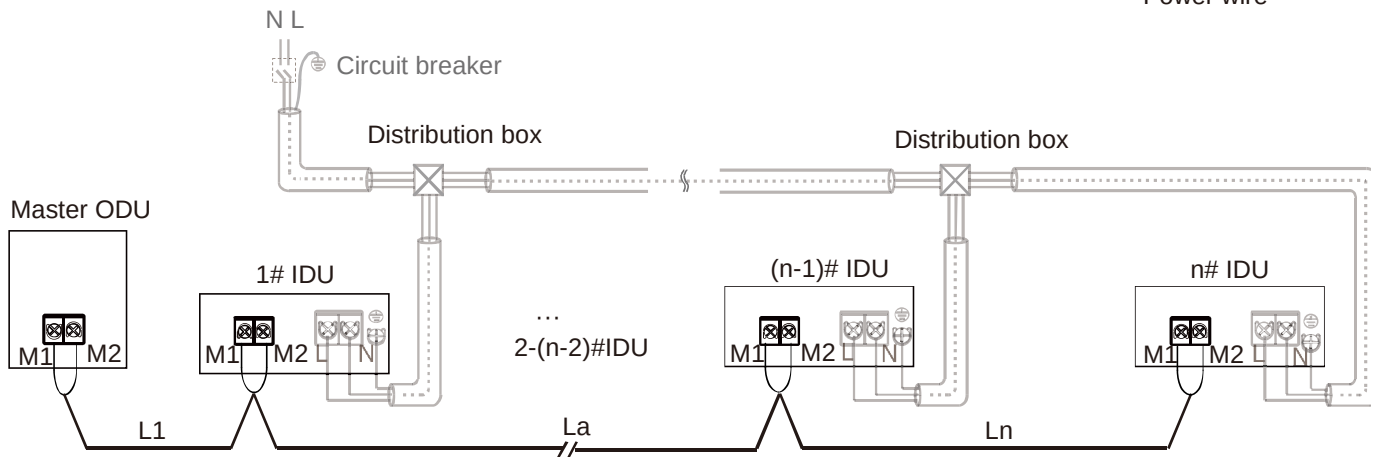
Communication wiring design and installation should adhere to the following requirements **when all IDUs uniform power supplied**:

- 0.75mm<sup>2</sup> two-core cable should be used for communication wiring when all the indoor units are uniform power supplied.
- All indoor units in the system are V8 indoor units.
- After the final indoor unit, the communication wiring CAN be continued back to the outdoor unit to ensure communication in case of disconnection point. In this situation, M1 M2 are polarized and M1 should connect to M1, M2 should connect to M2.

Figure 3-9.9: M1 M2 communication wiring configuration – IDUs uniform power supplied

$L1+La+Ln \leq 2000\text{m}$ . Communication wiring 2\*0.75mm<sup>2</sup>

— Communication wire  
— Power wire

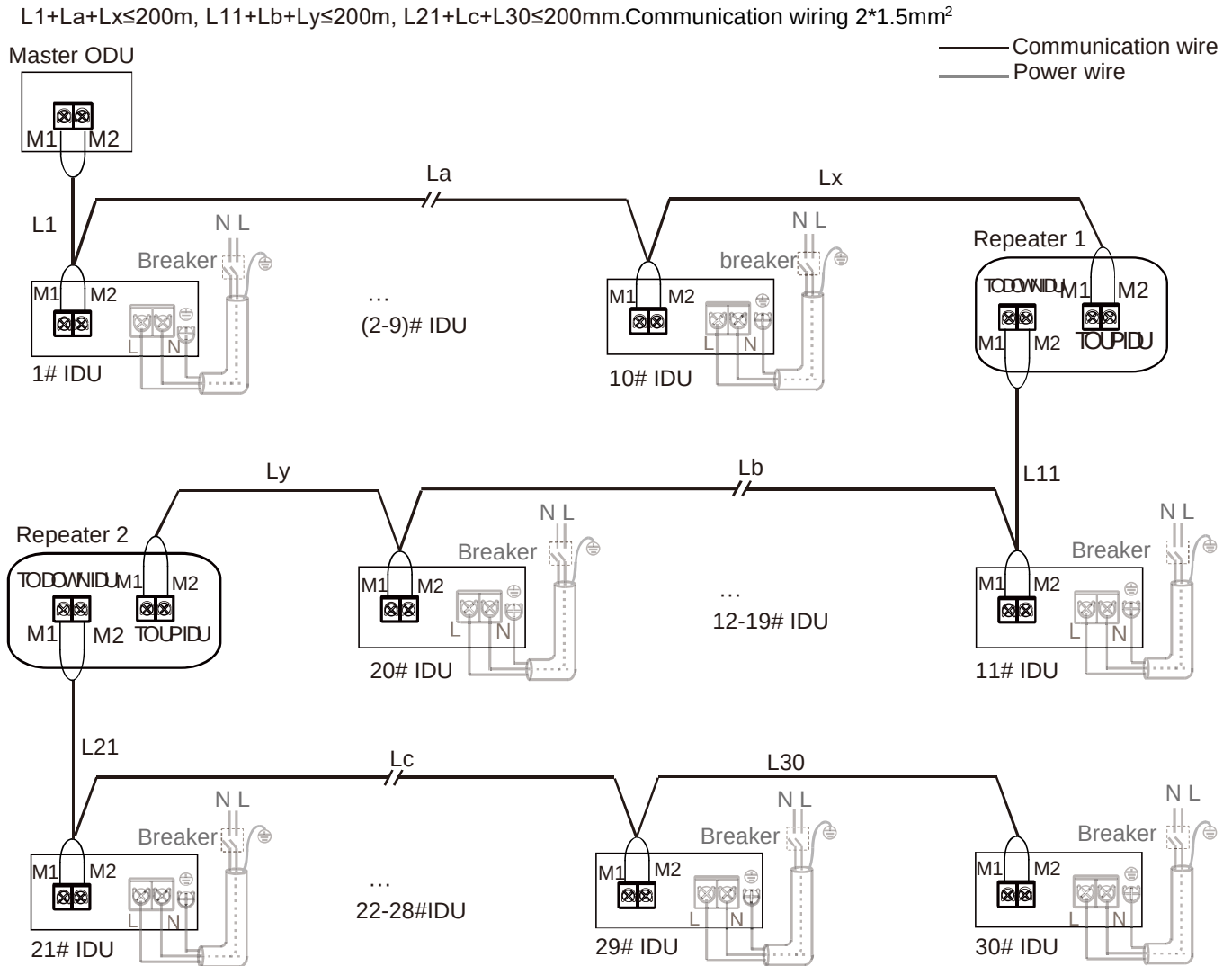


### 9.3.5 Outdoor unit and indoor units' M1, M2 communication- IDUs with separate power supply

Communication wiring design and installation should adhere to the following requirements **when IDUs separate power supplied**.

- 1.5mm<sup>2</sup> two-core cable should be used for communication wiring when there is indoor unit separate power supplied.
- All indoor units in the system are V8 indoor units.
- If the total distance is less than or equal to 200m and the total number of IDUs is less than or equal to 10 sets, the valve is powered and controlled by the master ODU.
- If the total distance is longer than 200m or the total number of IDUs is more than 10 sets, a repeater is required to increase the bus voltage. The load capacity of the repeater is the same as that of the ODU, and it can load a bus length of 200m or 10 IDUs.
- Maximum two repeaters can be installed in the same refrigerant system.
- The number of IDUs requiring power supply in the same refrigerant system is less than or equal to 30 sets.
- Keep the power on/off for both the repeater and the ODUs, or the repeater use an uninterruptible power supply.
- For repeater installation, please refer to the repeater installation manual. Do not reversely connect the upstream and downstream IDU ports of the repeater; otherwise, it will cause a communication failure
- After the final indoor unit, the communication wiring should NOT be continued back to the outdoor unit – that is, do not attempt to form a closed loop.

Figure 3-9.10: M1 M2 communication wiring configuration – IDUs separate power supplied



### Notes for installers



The communication wires should be connected to the master outdoor unit terminals indicated in Figure 3-9.11 and Table 3-9.2.

#### Caution

- Communication wiring has polarity. Care should be taken to connect the poles correctly.

Figure 3-9.11: Master outdoor unit communication terminals

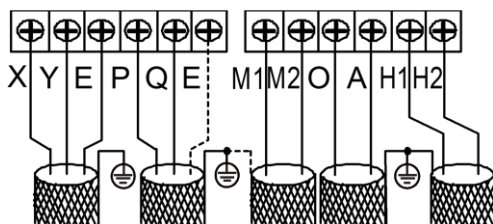


Table 3-9.2: Communication connections

| Terminals | Connection                                                                      |
|-----------|---------------------------------------------------------------------------------|
| X Y E     | Connect to centralized controller                                               |
| P Q E     | Communication connection between indoor units and master outdoor unit           |
| M1 M2     | HyperLink communication connection between indoor units and master outdoor unit |
| O A       | Connect to digital energy meter                                                 |
| H1 H2     | Connect between outdoor units                                                   |

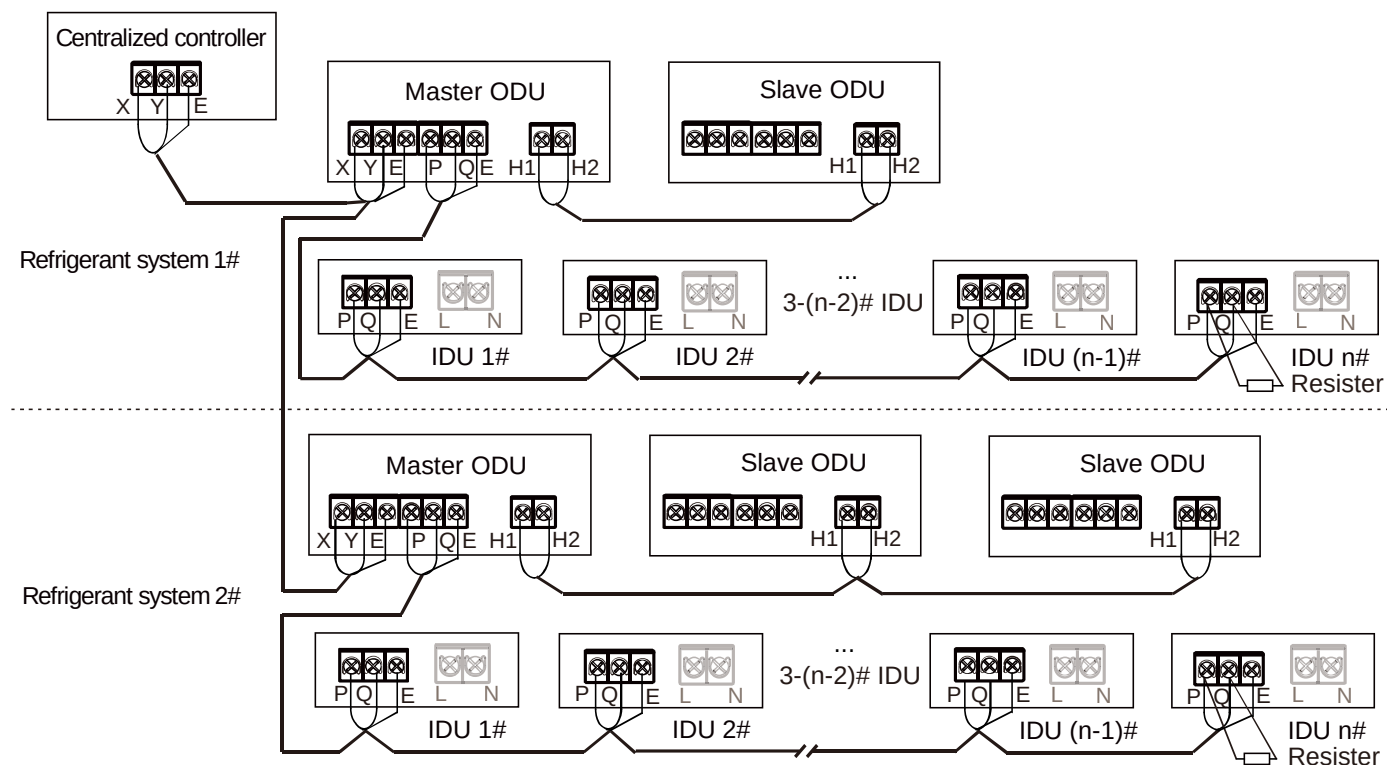
## V8 PRO VRF 50Hz

### 9.3.6 Outdoor units' H1 H2 and XYE communication

The outdoor unit's combined system, and the communication lines between the ODUs must be connected in series.

- The H1 H2 communication wires should be connected one unit after another in a daisy chain from the master outdoor unit to the final slave outdoor unit. The XYE communication lines of the outdoor unit should be connected from the master unit.
- 0.75mm<sup>2</sup> two-core shielded cable should be used for communication wiring, and the length must not exceed 1200m.
- Connect the shielding nets at both ends of the shielded wire to the sheet metal “⊖” of the electronic control box.

Figure 3-9.12: Outdoor units' communication



## 10 Installation in Areas of High Salinity

### 10.1 Caution

Do not install outdoor units where they could be directly exposed to sea air. Corrosion, particularly on the condenser and evaporator fins, could cause product malfunction or inefficient performance.

Outdoor units installed in seaside locations should be placed such as to avoid direct exposure to the sea air and additional anticorrosion treatment options should be selected, otherwise the service life of the outdoor units will be seriously affected.

Air conditioning installed in seaside locations should be run regularly as the running of the outdoor unit fans helps prevent build-up of salt on the outdoor unit heat exchangers.

### 10.2 Placement and Installation

Outdoor units should be installed 300m or more from the sea. If possible, well-ventilated indoor locations should be chosen. (When installing outdoor units indoors, outdoor unit discharge ducts should be added. See Part 3, 3 “Outdoor Unit Ducting and Shielding”.) Refer to Figure 3-10.1. If it is necessary to install outdoor units outside, direct exposure to the sea air should be avoided. A canopy should be added to shield the units from sea air and rain, as shown in Figure 3-10.2.

Ensure that base structures drain well so that outdoor unit footings do not become waterlogged. Check that outdoor unit casing drainage holes are not blocked.

Figure 3-10.1: Installation in a well-ventilated indoor area

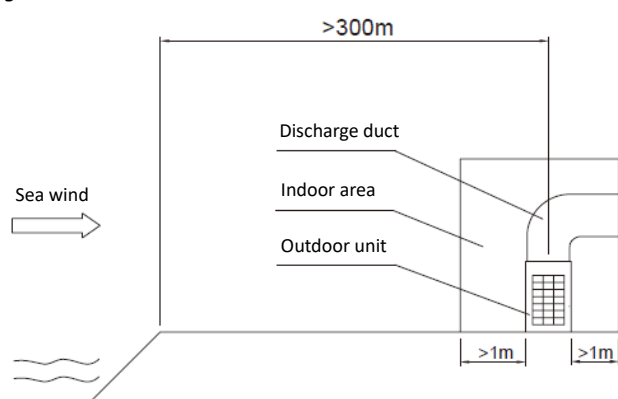
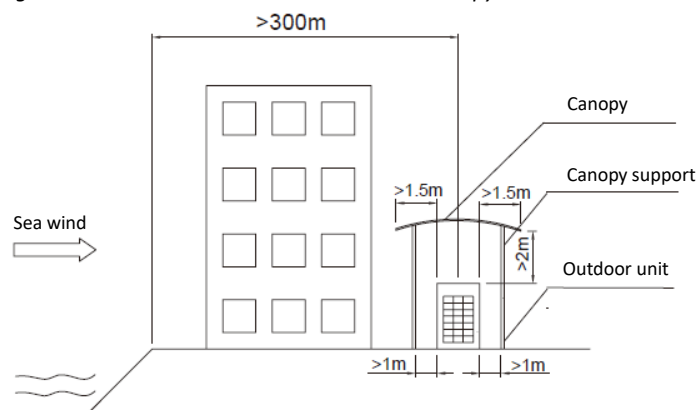


Figure 3-10.2: Installation outdoors under a canopy



### 10.3 Inspection and maintenance

In addition to standard outdoor unit servicing and maintenance, the following additional inspections and maintenance should be undertaken for outdoor units installed in seaside locations:

- A comprehensive post-installation inspection should check for any scratches or other damage to painted surfaces and any damaged areas should be repainted/repaired immediately.
- The units should be regularly cleaned using (non-salty) water to remove any salt that has accumulated. Areas cleaned should include the condenser, the refrigerant piping system, the outside surface of the unit casing and the outside surface of the electric control box.
- Regular inspections should check for corrosion and if necessary corroded components should be replaced and/or anti-corrosion treatments should be added.



## 11 Commissioning

### 11.1 Pre-commissioning Checks

Before turning on the power to the indoor and outdoor units, ensure the following:

- **Installation**

Check if the unit is installed correctly to prevent strange noises and vibrations when the unit starts.

- **Field wiring**

Based on the wiring schematic and the relevant regulations, make sure the field wiring is based on the instructions described in Part 3, 9" Electrical Wiring" on connecting wires.

- **Earth line**

Make sure the earth line is connected correctly, and the grounding terminal is tight.

- **Insulation test of main circuit**

Use the multimeter of 500V, apply a voltage of 500V DC between the power terminal and the earth terminal. Check that the insulation resistance is above 2 M $\Omega$ . Do not use the multimeter on the transmission line.

- **Fuses, circuit breakers, or protection devices**

Check that the fuses, circuit breakers, or locally installed protection devices comply with the size and type specified in Part 2, "7 Functional Components and Safety Devices". Make sure you use fuses and protection devices.

- **Internal wiring**

Visually inspect if the connections between the electrical component box and the interior of the unit is loose, or if the electrical components are damaged.

- **Piping dimensions and insulation**

Make sure the installation piping dimensions are correct, and the insulation work can be carried out normally.

- **Stop valve**

Make sure the stop valve is open on both the liquid, low pressure and high pressure gas sides.

- **Equipment damage**

Check for damaged components and extruded piping inside the unit.

- **Refrigerant leak**

Check for refrigerant leaks inside the unit. If there is a refrigerant leak, try to repair the leak. If the repair is not successful, please call the local agent. Do not come in contact with the refrigerant leaking from the refrigerant piping connections. It may cause frostbite.

- **Oil leak**

Check if there is oil leaking from the compressor. If there is an oil leak, try to repair the leak. If the repair is not successful, please call the local agent.

- **Air inlet/outlet**

Check for paper, cardboard or any other material that may obstruct the air inlet and outlet of the equipment.

- **Add additional refrigerant**

The amount of refrigerant to be added to this unit should be marked on the "Confirmation Table" which is placed at electrical control box front cover.

- **Installation date and field settings**

Make sure the installation date is recorded on the label of the electric control box cover, and the field settings are recorded as well.

## 11.2 Outdoor Unit Address and Communication Type Setting

### Step 1: Power on

Cover the lower panel of the ODU, and power on all IDUs and ODUs.

### Step 2: Enter commissioning mode

When the ODU is first powered on, it displays "-. -. -. -.", which means the unit is not commissioned. Long press the "DOWN" and "UP" buttons simultaneously for 5s on the master ODU to enter commissioning mode.

### Step 3: Set the number of IDUs in a system

The digital display of the master ODU displays "01 01", where 1st and 2nd digits always on, 3rd and 4th digits flashing. The 3rd and 4th digits represent the number of IDUs, the initial value is 1, short press the "DOWN" or "UP" button to change the number. Once the number of IDUs has been set, short press the "OK" button to confirm and automatically proceed to the next step.

### Step 4: Select the system communication protocol

Enter the communication protocol setting interface, the digital display of master ODU displays "02 0", where the 1st and 2nd digits always on, the 3rd digit off, the 4th digit flashing. The 4th digit of the digital display represents the communication protocol type, the initial value is 0. Short press the "DOWN" or "UP" button to change the communication protocol.

If the system is **all V8 IDUs**, and the IDUs and ODUs are connected by **PQ** communication, please select V8 protocol RS-485 (P Q) communication, and set the 4th digit of the master ODU digital display to **0**; ODU factory default V8 protocol RS-485 (P Q) communication.

If the system has a **non-V8 IDUs**, and the IDUs and ODUs are connected by **PQE** communication, please select the non-V8 protocol RS-485 (P Q E) communication and set the 4th digit of the master ODU digital display to **1**.

If the system is **all V8 IDUs**, the IDUs and ODUs are connected by **M1M2** communication, and all IDUs are powered uniformly, please select the HyperLink (M1M2) communication + **indoor unit uniform power supply**, and set the 4th digit of the master ODU digital display to **2**.

If the system is **all V8 IDUs**, the IDUs and ODUs are connected by **M1M2** communication, and there is separate power supply for IDUs, please select the HyperLink (M1M2) communication + **indoor unit separate power supply**, and set the 4th digit of the master ODU digital display to **3**.

Once the communication protocol has been set, short press the "OK" button to confirm and automatically proceed to the next step.

### Step 5: IDUs and ODUs address setting

Enter the auto addressing function, the digital display of master ODU flashes "AU Ad" and "X YZ" in rotation. "AU Ad" means the auto addressing is in progress, "X" represents the address of the ODU, "YZ" represents the number of detected IDUs; the auto addressing takes about 5-7 minutes, and automatically proceed to the next step after completion.

### Step 6: System initialization

Entering system initialization, the digital display of master ODU flashes "AU Ad" and "X YZ" in rotation. "INIt" means initialization is in progress, "X" represents the address of the ODU, "YZ" represents the number of detected IDUs; the system initialization takes about 3-5 minutes, and automatically proceed to the next step after completion.

### Step 7: End

After system initialization, if there is no fault in the system, all ODUs will enter standby mode and the digital display will display "X YZ" ("X" represents the address of the ODUs, "YZ" represents the number of detected IDUs), and the unit can be turned on normally.

After system initialization, if the ODU detects a fault, the digital display of master ODU will display "X YZ" ("X" represents the address of the ODU, "YZ" represents the number of detected IDUs) and the error code in rotation. Please refer to the Error Code Table for troubleshooting, and the unit can be turned on normally after the fault is cleared.

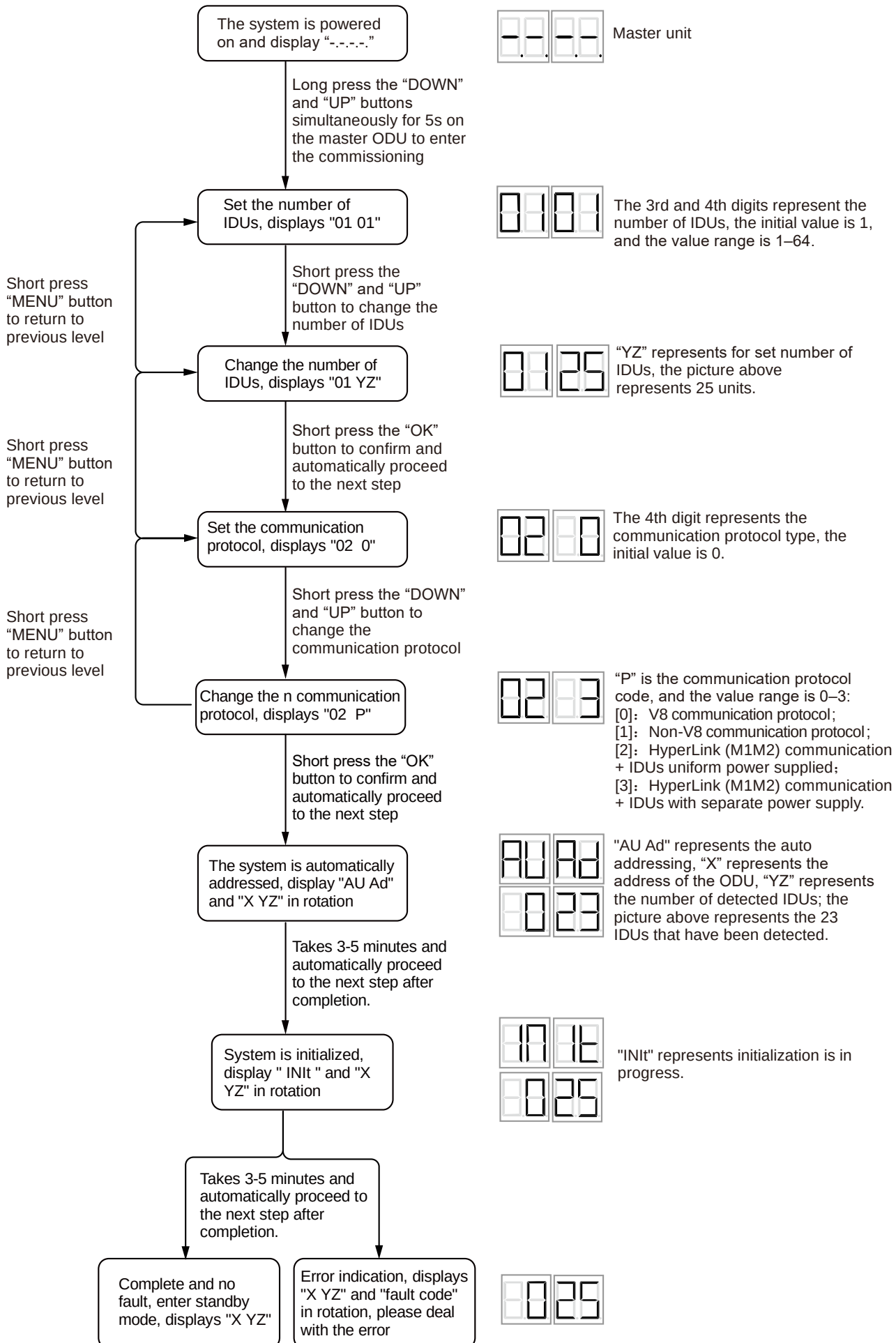
### Step 8: Other settings

After completing the test run, you can set the relevant functions of the unit according to the actual functional requirements. For specific operations, please refer to related technical documents. If there is no special requirement, you can skip this step.

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Figure 3-11.1: Test Run Procedure



### 11.3 Multi-system Projects

For projects with multiple refrigerant systems, each independent refrigeration system (i.e. each system of up to three outdoor units and their connected indoor units) should be given a test run independently, before the multiple systems that make up a project are run simultaneously.

### 11.4 Operating the system

#### 11.4.1 Commissioning test run of single refrigerant system

After completing the above steps, a test run should be performed as described below and a V8 Series System Commissioning Report (see Part 3, 11 “Appendix to Part 3 – System Commissioning Report”) should be completed as a record of the operating status of the system during commissioning.

Note: When running the system for commissioning test runs, if the combination ratio is 100% or less, run all the indoor units and if the combination ratio is more than 100%, run indoor units with total capacity equal to the total capacity of the outdoor units.

The test run procedure is as follows:

1. Open the outdoor unit liquid and gas stop valves.
2. Turn on the power to the outdoor units.
3. If manual addressing is being used, set the addresses of each indoor unit.
4. Leave the power on for a minimum of 12 hours prior to running the system to ensure that the crankcase heaters have heated the compressor oil sufficiently.
5. Run the system:
  - a) Run the system in cooling mode with the following settings: temperature 17°C; fan speed high.
  - b) After one hour, complete Sheet A of the system commissioning report then check the system parameters using the UP/DOWN button on each outdoor unit's main PCB and complete the cooling mode columns of one Sheet D and one Sheet E of the system commissioning report for each outdoor unit.
  - c) Run the system in heating mode with the following settings: temperature 30°C; fan speed high.
  - d) After one hour, complete Sheet B of the system commissioning report then check the system parameters using the UP/DOWN button on each outdoor unit's main PCB and complete the heating mode columns of one Sheet D and one Sheet E of the system commissioning report for each outdoor unit.
6. Finally, complete Sheet C of the system commissioning report.

#### 11.4.2 Commissioning test run of multiple refrigerant systems

Once the commissioning test run of each refrigerant system has been satisfactorily completed as per Part 3 “Commissioning test run of single refrigerant system”, run the multiple systems that make up a project simultaneously and check for any abnormalities.

### 12 Appendix to Part 3 – System Commissioning Report

A total of up to 11 report sheets should be completed for each system:

- One Sheet A, one Sheet B and one Sheet C per system.
- One Sheet D and one Sheet E per outdoor unit.

## V8 PRO Series System Commissioning Report – Sheet A

| SYSTEM INFORMATION        |       |                        |       |
|---------------------------|-------|------------------------|-------|
| Project name and location |       | Customer company       |       |
| System name               |       | Installation company   |       |
| Commissioning date        |       | Agent company          |       |
| Outdoor ambient temp.     |       | Commissioning engineer |       |
| Power supply (V)          | L1-L2 | L2-L3                  | L3-L1 |
|                           |       |                        |       |

| OUTDOOR UNIT INFORMATION |             |              |              |  |
|--------------------------|-------------|--------------|--------------|--|
|                          | Master unit | Slave unit 1 | Slave unit 2 |  |
| Model                    |             |              |              |  |
| Serial no.               |             |              |              |  |

[illegible]

## Midea V8 PRO Series Engineering Data Book

[illegible]

**V8 PRO Series System Commissioning Report – Sheet C**

|                           |  |             |  |
|---------------------------|--|-------------|--|
| Project name and location |  | System name |  |
|---------------------------|--|-------------|--|

| RECORD OF ISSUES SEEN DURING COMMISSIONING |                               |                 |                            |                             |
|--------------------------------------------|-------------------------------|-----------------|----------------------------|-----------------------------|
| No.                                        | Description of observed issue | Suspected cause | Troubleshooting undertaken | Serial no. of relevant unit |
| 1                                          |                               |                 |                            |                             |
| 2                                          |                               |                 |                            |                             |
| 3                                          |                               |                 |                            |                             |

| OUTDOOR UNIT FINAL CHECKLIST |             |              |              |  |
|------------------------------|-------------|--------------|--------------|--|
|                              | Master unit | Slave unit 1 | Slave unit 2 |  |
| System check performed?      |             |              |              |  |
| Any abnormal noise?          |             |              |              |  |
| Any abnormal vibration?      |             |              |              |  |
| Fan rotation normal?         |             |              |              |  |

|            | Commissioning engineer | Dealer | Midea representative |
|------------|------------------------|--------|----------------------|
| Name:      |                        |        |                      |
| Signature: |                        |        |                      |
| Date:      |                        |        |                      |



## V8 PRO Series System Commissioning Report – Sheet D

| Project name and location |                                                                | System name                                                                |                 |              |
|---------------------------|----------------------------------------------------------------|----------------------------------------------------------------------------|-----------------|--------------|
| DSP1 content              | Parameters displayed on DSP2                                   | Remarks                                                                    | Observed values |              |
|                           |                                                                |                                                                            | Cooling mode    | Heating mode |
| --                        | "Standby (ODU address+ IDU number)/frequency/special status"   |                                                                            |                 |              |
| 0--                       | Outdoor unit address                                           | Master unit: 0; slave units: 1, 2<br>255 represents invalid address.       |                 |              |
| 1--                       | Outdoor unit capacity                                          | Actual value = value displayed (HP)                                        |                 |              |
| 2--                       | Number of outdoor units                                        | Only available for master unit, 1-4                                        |                 |              |
| 3--                       | Number of indoor units set                                     | Only available for master unit, 1-64                                       |                 |              |
| 4--                       | Total capacity of outdoor unit                                 | Only available for master unit, 0 displayed<br>on slave units has no sense |                 |              |
| 5--                       | Target frequency of this ODU                                   | Refer to Note 1                                                            |                 |              |
| 6--                       | Target frequency of ODU system                                 | Target frequency= value displayed ×10                                      |                 |              |
| 7--                       | Inverter compressor A actual frequency (Hz)                    | Actual value = value displayed                                             |                 |              |
| 8--                       | Inverter compressor B actual frequency (Hz)                    | Actual value = value displayed                                             |                 |              |
| 9--                       | Operating mode                                                 | Refer to Note 2                                                            |                 |              |
| 10--                      | Fan A speed index (rpm)                                        | Actual value = value displayed                                             |                 |              |
| 11--                      | Fan B speed index (rpm)                                        | Actual value = value displayed                                             |                 |              |
| 12--                      | Indoor heat exchanger pipe (T2) average temperature (°C)       | Actual value = value displayed                                             |                 |              |
| 13--                      | Indoor heat exchanger pipe (T2B) average temperature (°C)      | Actual value = value displayed                                             |                 |              |
| 14--                      | Main heat exchanger pipe (T3) temperature (°C)                 | Actual value = value displayed                                             |                 |              |
| 15--                      | Outdoor ambient (T4) temperature (°C)                          | Actual value = value displayed                                             |                 |              |
| 16--                      | Liquid pipe (T5) temperature (°C)                              | Actual value = value displayed                                             |                 |              |
| 17--                      | Microchannel heat exchanger inlet pipe (T6A) temperature (°C)  | Actual value = value displayed                                             |                 |              |
| 18--                      | Microchannel heat exchanger outlet pipe (T6B) temperature (°C) | Actual value = value displayed                                             |                 |              |
| 19--                      | Inverter compressor A discharge (T7C1) temperature (°C)        | Actual value = value displayed                                             |                 |              |
| 20--                      | Inverter compressor B discharge (T7C2) temperature (°C)        | Actual value = value displayed                                             |                 |              |
| 21--                      | Inverter compressor A suction (T71) temperature (°C)           | Actual value = value displayed                                             |                 |              |
| 22--                      | Inverter compressor B suction (T72) temperature (°C)           | Actual value = value displayed                                             |                 |              |
| 23--                      | Outdoor heat exchanger gas (T8) temperature (°C)               | Actual value = value displayed                                             |                 |              |
| 24--                      | Inverter module heatsink (Ntc) temperature (°C)                | Actual value = value displayed                                             |                 |              |
| 25--                      | Reserved for heat recovery unit's T9 temperature (°C)          | Actual value = value displayed                                             |                 |              |
| 26--                      | Outdoor heat exchanger liquid (TL) temperature (°C)            | Actual value = value displayed                                             |                 |              |
| 27--                      | Discharge superheat degree (°C)                                | Actual value = value displayed                                             |                 |              |
| 28--                      | Primary current (A)                                            | Actual value = value displayed /10                                         |                 |              |
| 29--                      | Inverter compressor A current (A)                              | Actual value = value displayed /10                                         |                 |              |
| 30--                      | Inverter compressor B current (A)                              | Actual value = value displayed /10                                         |                 |              |
| 31--                      | EEVA position                                                  | Actual value = value displayed × 24                                        |                 |              |
| 32--                      | EEVB position                                                  | Actual value = value displayed × 24                                        |                 |              |
| 33--                      | EEVC position                                                  | Actual value = value displayed × 4                                         |                 |              |

Table continued on next page ...

## V8 Series System Commissioning Report – Sheet E

|                                  |                    |
|----------------------------------|--------------------|
| <b>Project name and location</b> | <b>System name</b> |
|----------------------------------|--------------------|

... table continued from previous page

| DSP1 content | Parameters displayed on DSP2             | Remarks                                           | Observed values |              |
|--------------|------------------------------------------|---------------------------------------------------|-----------------|--------------|
|              |                                          |                                                   | Cooling mode    | Heating mode |
| 34.--        | EEVD position                            | Actual value = value displayed × 4                |                 |              |
| 35.--        | Compressor discharge pressure (MPa)      | Actual value = value displayed × 0.01             |                 |              |
| 36.--        | Compressor suction pressure (MPa)        | Actual value = value displayed × 0.01             |                 |              |
| 37.--        | Number of indoor units on line           | Actual value = value displayed                    |                 |              |
| 38.--        | Number of indoor units operating         | Displayed on master unit PCB only                 |                 |              |
| 39.--        | Heat exchanger status (outdoor unit)     | Refer to Note 3                                   |                 |              |
| 40.--        | Special mode                             | Refer to Note 4                                   |                 |              |
| 41.--        | Silent mode                              | 0-14 ,14 represents the most silent               |                 |              |
| 42.--        | Static pressure mode                     | Refer to Note 5                                   |                 |              |
| 43.--        | Target evaporator (Tes) temperature (°C) | Actual value = value displayed<br>Refer to Note 6 |                 |              |
| 43.--        | Target condenser (Tcs) temperature (°C)  | Actual value = value displayed<br>Refer to Note 6 |                 |              |
| 45.--        | DC Voltage (V)                           | Actual value = value displayed                    |                 |              |
| 46.--        | AC Voltage (V)                           | Actual value = value displayed                    |                 |              |
| 47.---       | Number of cooling mode IDUs              | Actual value = value displayed                    |                 |              |
| 48.--        | Number of heating mode IDUs              | Actual value = value displayed                    |                 |              |
| 49.--        | Capacity of cooling mode IDUs (HP)       | Actual value = value displayed                    |                 |              |
| 50.--        | Capacity of heating mode IDUs (HP)       | Actual value = value displayed                    |                 |              |
| 51.--        | Refrigerant volume judgment              | Refer to Note 7                                   |                 |              |
| 52.---       | Dirty blockage rate                      | 0~10, 10 represents the worst                     |                 |              |
| 53.--        | Fan error                                |                                                   |                 |              |
| 54.---       | Software version                         |                                                   |                 |              |
| 55.--        | Last error code                          |                                                   |                 |              |
| -- --        | --                                       | End                                               |                 |              |

**Notes:**

- Need to convert to current compressor output volume, example: compressor output volume is 70, Target frequency = Actual frequency \* 70 / 60 Outdoor unit capacity setting:
- Operating mode:
  - 0: off; 2: cooling; 3: heating; 5: main cooling (for heat recovery unit); 6: main heating (for heat recovery unit).
- Heat exchanger status:
  - 0: off; 1: C1: condenser. running 2: D1: condenser. not running; 3: D2: reserved; 4: E1: evaporator. running 5: F1: reserved; 6: F2: evaporator. not running
- Special mode:
  - 0: no special mode; 1: oil return; 2: defrost; 3: start up; 4: stop; 5: quick check; 6: self cleaning.
- Static pressure mode:
  - 0: 0 Pa; 1: 20 Pa; 2: 40 Pa; 3: 60 Pa; 4: 80 Pa; 5: 100 Pa; 6: 120 Pa.
- Te: Low pressure equivalent saturation temperature (°C)    Tes: Target Te value.  
Tc: High pressure equivalent saturation temperature (°C)    Tcs: Target Tc value.
- Refrigerant volume:
  - 0: No result; 1: Significantly insufficient; 2: Insufficient; 3: Normal; 4: Excessive; 5: Significantly Excessive.

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Note: Product specifications change from time to time as product improvements and developments are released and may vary from those in this document.

