

### C.1.1 SPECIFICATIONS

#### C.1.1.1 Inverter

| Indoor Unit                          |   |                                     | MSZ-LN18VG                      | MSZ-LN25VG                   | MSZ-LN35VG                   | MSZ-LN50VG                   | MSZ-LN60VG                    |                                |            |
|--------------------------------------|---|-------------------------------------|---------------------------------|------------------------------|------------------------------|------------------------------|-------------------------------|--------------------------------|------------|
| Outdoor Unit                         |   |                                     | for MXZ connection              | MUZ-LN25VG                   | MUZ-LN35VG                   | MUZ-LN50VG                   | MUZ-LN60VG                    |                                |            |
| Refrigerant                          |   |                                     | R32 (*1)                        | R32 (*1)                     | R32 (*1)                     | R32 (*1)                     | R32 (*1)                      |                                |            |
| Power Supply                         |   |                                     | Outdoor Power supply            | Outdoor Power supply         | Outdoor Power supply         | Outdoor Power supply         | Outdoor Power supply          |                                |            |
|                                      |   |                                     | 230V/SinglePhase/50Hz           | 230V/SinglePhase/50Hz        | 230V/SinglePhase/50Hz        | 230V/SinglePhase/50Hz        | 230V/SinglePhase/50Hz         |                                |            |
| Cooling                              | Capacity                                      | Rated                               | kW                              | -                            | 2.5                          | 3.5                          | 5.0                           | 6.1                            |            |
|                                      |   | Min. - Max.                         | kW                              | -                            | 1.0 - 3.5                    | 0.8 - 4.0                    | 1.0 - 6.0                     | 1.4 - 6.9                      |            |
|                                      | SHF   |                                     |                                 |                              | 0.97                         | 0.9                          | 0.77                          | 0.75                           |            |
|                                      |   | Total Input                         | Rated                           | kW                           | -                            | 0.485                        | 0.820                         | 1.380                          | 1.790      |
|                                      | EER   |                                     |                                 |                              | -                            | 5.15                         | 4.27                          | 3.62                           | 3.41       |
|                                      |   | EEL Rank                            |                                 |                              | -                            | A                            | A                             | A                              | A          |
|                                      | Design load                                   |                                     |                                 |                              | -                            | 2.5                          | 3.5                           | 5.0                            | 6.1        |
|                                      |   | Annual electricity consumption (*2) |                                 | kWh/a                        | -                            | 83                           | 128                           | 205                            | 285        |
|                                      | SEER  |                                     |                                 |                              | -                            | 10.5                         | 9.5                           | 8.5                            | 7.5        |
|                                      |   | Energy efficiency class             |                                 |                              | -                            | A+++                         | A+++                          | A+++                           | A++        |
| Heating (Average Season)             | Capacity                                      | Rated                               | kW                              | -                            | 3.2                          | 4.0                          | 6.0                           | 6.8                            |            |
|                                      |   | Min. - Max.                         | kW                              | -                            | 0.8 - 5.4                    | 1.0 - 6.3                    | 1.0 - 8.2                     | 1.8 - 9.3                      |            |
|                                      | Total Input                                   | Rated                               | kW                              | -                            | 0.580                        | 0.800                        | 1.480                         | 1.810                          |            |
|                                      |   | COP                                 |                                 |                              | -                            | 5.52                         | 5.00                          | 4.05                           | 3.76       |
|                                      | EEL Rank                                      |                                     |                                 |                              | -                            | A                            | A                             | A                              | A          |
|                                      |   | Declared Capacity                   | at reference design temperature | kW                           | -                            | 3.0(-10°C)                   | 3.6(-10°C)                    | 4.5(-10°C)                     | 6.0(-10°C) |
|                                      | Back up heating capacity                      | at bivalent temperature             | kW                              | -                            | 3.0(-10°C)                   | 3.6(-10°C)                   | 4.5(-10°C)                    | 6.0(-10°C)                     |            |
|                                      |   | at operation limit temperature      | kW                              | -                            | 2.5(-15°C)                   | 3.2(-15°C)                   | 4.2(-15°C)                    | 6.0(-15°C)                     |            |
|                                      | Annual electricity consumption (*2)           |                                     |                                 | kWh/a                        | -                            | 0.0(-10°C)                   | 0.0(-10°C)                    | 0.0(-10°C)                     | 0.0(-10°C) |
|                                      |   | SCOP                                |                                 |                              | -                            | 7.94                         | 9.74                          | 13.69                          | 18.26      |
| Energy efficiency class              |   |                                     |                                 | -                            | 5.2                          | 5.1                          | 4.6                           | 4.6                            |            |
|                                      |   |                                     |                                 | -                            | A+++                         | A+++                         | A++                           | A++                            |            |
| Operating Current (Max.)             |   |                                     |                                 | A                            | -                            | 7.1                          | 9.9                           | 13.9                           | 15.2       |
| Indoor Unit                          | Input   | Rated                               | kW                              | 0.029                        | 0.029                        | 0.029                        | 0.034                         | 0.040                          |            |
|                                      |   | Operating Current (Max.)            | A                               | 0.3                          | 0.3                          | 0.3                          | 0.4                           | 0.4                            |            |
|                                      | Dimensions                                    | H x W x D                           | mm                              | 307 x 890 x 233              | 307 x 890 x 233              | 307 x 890 x 233              | 307 x 890 x 233               | 307 x 890 x 233                |            |
|                                      |   | Weight                              | kg                              | 15.5                         | 15.5                         | 15.5                         | 15.5                          | 15.5                           |            |
|                                      | Air Volume (SLo-Lo-Mid-Hi-SHi (*3) (Dry/Wet)) | Cooling                             | m <sup>3</sup> /min.            | 4.3 - 5.8 - 7.1 - 8.8 - 11.9 | 4.3 - 5.8 - 7.1 - 8.8 - 11.9 | 4.3 - 5.8 - 7.1 - 8.8 - 12.8 | 5.7 - 7.6 - 8.8 - 10.6 - 13.9 | 7.1 - 8.8 - 10.6 - 12.7 - 15.7 |            |
|                                      |   | Heating                             | m <sup>3</sup> /min.            | 4.0 - 5.7 - 7.1 - 8.5 - 14.4 | 4.0 - 5.7 - 7.1 - 8.5 - 14.4 | 4.3 - 5.7 - 7.1 - 8.5 - 13.7 | 5.4 - 6.4 - 8.5 - 10.7 - 15.7 | 6.6 - 9.5 - 11.5 - 13.6 - 15.7 |            |
|                                      | Sound Level (SPL) (SLo-Lo-Mid-Hi-SHi (*3))    | Cooling                             | dB(A)                           | 19 - 23 - 29 - 36 - 42       | 19 - 23 - 29 - 36 - 42       | 19 - 24 - 29 - 36 - 43       | 27 - 31 - 35 - 39 - 46        | 29 - 37 - 41 - 45 - 49         |            |
|                                      |   | Heating                             | dB(A)                           | 19 - 24 - 29 - 36 - 45       | 19 - 24 - 29 - 36 - 45       | 19 - 24 - 29 - 36 - 45       | 25 - 29 - 34 - 39 - 47        | 29 - 37 - 41 - 45 - 49         |            |
|                                      | Sound Level (PWL)                             | Cooling                             | dB(A)                           | 58                           | 58                           | 58                           | 60                            | 65                             |            |
|                                      |   | Heating                             | dB(A)                           | -                            | -                            | -                            | -                             | -                              |            |
| Outdoor Unit                         | Dimensions                                    | H x W x D                           | mm                              | -                            | 550 x 800 x 285              | 550 x 800 x 285              | 714 x 800 x 285               | 880 x 840 x 330                |            |
|                                      |   | Weight                              | kg                              | -                            | 35                           | 35                           | 40                            | 55                             |            |
|                                      | Air Volume                                    | Cooling                             | m <sup>3</sup> /min.            | -                            | 31.4                         | 31.4                         | 40.0                          | 50.1                           |            |
|                                      |   | Heating                             | m <sup>3</sup> /min.            | -                            | 26.6                         | 29.8                         | 40.5                          | 51.3                           |            |
|                                      | Sound Level (SPL)                             | Cooling                             | dB(A)                           | -                            | 46                           | 49                           | 51                            | 55                             |            |
|                                      |   | Heating                             | dB(A)                           | -                            | 49                           | 50                           | 54                            | 55                             |            |
|                                      | Sound Level (PWL)                             | Cooling                             | dB(A)                           | -                            | 60                           | 61                           | 64                            | 65                             |            |
|                                      |   | Heating                             | dB(A)                           | -                            | -                            | -                            | -                             | -                              |            |
|                                      | Operating Current (Max.)                      | A                                   |                                 |                              | 6.8                          | 9.6                          | 13.5                          | 14.8                           |            |
|                                      |   | Breaker Size                        | A                               |                              | -                            | 10                           | 10                            | 16                             | 16         |
| Ext. Piping                          | Diameter                                      | Liquid/Gas                          | mm                              | 6.35/9.52                    | 6.35/9.52                    | 6.35/9.52                    | 6.35/9.52                     | 6.35/12.7                      |            |
|                                      | Max.Length                                    | Out-In                              | m                               | -                            | 20                           | 20                           | 20                            | 30                             |            |
|                                      |   | Max.Height                          | Out-In                          | m                            | -                            | 12                           | 12                            | 12                             | 15         |
| Guaranteed Operating Range (Outdoor) | Cooling                                       | °C                                  |                                 | -10 ~ +46                    | -10 ~ +46                    | -10 ~ +46                    | -10 ~ +46                     | -10 ~ +46                      |            |
|                                      | Heating                                       | °C                                  |                                 | -15 ~ +24                    | -15 ~ +24                    | -15 ~ +24                    | -15 ~ +24                     | -15 ~ +24                      |            |

(\*1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO<sub>2</sub>, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

(\*2) Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

(\*3) SHi: Super High.

| Indoor Unit                          |   |                                 |                         | MSZ-LN25VG                   | MSZ-LN35VG                   | MSZ-LN50VG                    |
|--------------------------------------|---|---------------------------------|-------------------------|------------------------------|------------------------------|-------------------------------|
| Outdoor Unit                         |   |                                 |                         | MUZ-LN25VGHZ                 | MUZ-LN35VGHZ                 | MUZ-LN50VGHZ                  |
| Refrigerant                          |   |                                 |                         | R32 (*1)                     | R32 (*1)                     | R32 (*1)                      |
| Power Supply                         | Source  |                                 |                         | Outdoor Power supply         | Outdoor Power supply         | Outdoor Power supply          |
|                                      | Outdoor (V/Phase/Hz)                          |                                 |                         | 230V/SinglePhase/50Hz        | 230V/SinglePhase/50Hz        | 230V/SinglePhase/50Hz         |
| Cooling                              | Capacity                                      | Rated                           | kW                      | 2.5                          | 3.5                          | 5.0                           |
|                                      |   | Min-Max.                        | kW                      | 0.8 - 3.5                    | 0.8 - 4.0                    | 1.4 - 5.8                     |
|                                      | SHF   |                                 |                         | 0.97                         | 0.90                         | 0.77                          |
|                                      | Total Input                                   | Rated                           | kW                      | 0.485                        | 0.820                        | 1.380                         |
|                                      | EER   |                                 |                         | 5.15                         | 4.27                         | 3.62                          |
|                                      |   | EEL Rank                        |                         |                              | A                            | A                             |
|                                      | Design load                                   |                                 | kW                      | 2.5                          | 3.5                          | 5.0                           |
|                                      | Annual electricity consumption (*2)           |                                 | kWh/a                   | 83                           | 130                          | 230                           |
|                                      | SEER  |                                 |                         | 10.5                         | 9.4                          | 7.6                           |
|                                      |   |                                 | Energy efficiency class |                              | A+++                         | A+++                          |
| Heating (Average Season)             | Capacity                                      | Rated                           | kW                      | 3.2                          | 4.0                          | 6.0                           |
|                                      |   | Min-Max.                        | kW                      | 1.0 - 6.3                    | 1.0 - 6.6                    | 1.8 - 8.7                     |
|                                      | Total Input                                   | Rated                           | kW                      | 0.580                        | 0.800                        | 1.480                         |
|                                      | COP   |                                 |                         | 5.52                         | 5.00                         | 4.05                          |
|                                      |   | EEL Rank                        |                         |                              | A                            | A                             |
|                                      | Design load                                   |                                 | kW                      | 3.2(-10°C)                   | 4.0(-10°C)                   | 6.0(-10°C)                    |
|                                      | Declared Capacity                             | at reference design temperature | kW                      | 3.2(-10°C)                   | 4.0(-10°C)                   | 6.0(-10°C)                    |
|                                      |   | at bivalent temperature         | kW                      | 3.2(-10°C)                   | 4.0(-10°C)                   | 6.0(-10°C)                    |
|                                      |   | at operation limit temperature  | kW                      | 2.3(-25°C)                   | 3.1(-25°C)                   | 4.7(-25°C)                    |
|                                      | Back up heating capacity                      |                                 | kW                      | 0.0(-10°C)                   | 0.0(-10°C)                   | 0.0(-10°C)                    |
|                                      | Annual electricity consumption (*2)           |                                 | kWh/a                   | 849                          | 1082                         | 1826                          |
|                                      | SCOP  |                                 |                         | 5.2                          | 5.1                          | 4.6                           |
|                                      |   |                                 | Energy efficiency class |                              | A+++                         | A+++                          |
| Operating Current (Max.)             |   |                                 | A                       | 10.5                         | 15.2                         |                               |
| Indoor Unit                          | Input   | Rated                           | kW                      | 0.029                        | 0.029                        | 0.034                         |
|                                      | Operating Current (Max.)                      |                                 | A                       | 0.3                          | 0.3                          | 0.4                           |
|                                      | Dimensions                                    | H × W × D                       | mm                      | 307 × 890 × 233              | 307 × 890 × 233              | 307 × 890 × 233               |
|                                      | Weight  |                                 | kg                      | 15.5                         | 15.5                         | 15.5                          |
|                                      | Air Volume (SLo-Lo-Mid-Hi-SHi (*3) (Dry/Wet)) | Cooling                         | m <sup>3</sup> /min.    | 4.3 - 5.8 - 7.1 - 8.8 - 11.9 | 4.3 - 5.8 - 7.1 - 8.8 - 12.8 | 5.7 - 7.6 - 8.9 - 10.6 - 13.9 |
|                                      |   | Heating                         | m <sup>3</sup> /min.    | 4.0 - 5.7 - 7.1 - 8.5 - 14.4 | 4.3 - 5.7 - 7.1 - 8.5 - 13.7 | 5.4 - 6.4 - 8.5 - 10.7 - 15.7 |
|                                      | Sound Level (SPL) (SLo-Lo-Mid-Hi-SHi (*3))    | Cooling                         | dB(A)                   | 19 - 23 - 29 - 36 - 42       | 19 - 24 - 29 - 36 - 43       | 27 - 31 - 35 - 39 - 46        |
| Heating                              |   | dB(A)                           | 19 - 24 - 29 - 36 - 45  | 19 - 24 - 29 - 36 - 45       | 25 - 29 - 34 - 39 - 47       |                               |
| Sound Level (PWL)                    | Cooling                                       | dB(A)                           | 58                      | 58                           | 60                           |                               |
| Outdoor Unit                         | Dimensions                                    | H × W × D                       | mm                      | 550 × 800 × 285              | 550 × 800 × 285              | 880 × 840 × 330               |
|                                      | Weight  |                                 | kg                      | 35                           | 36                           | 55                            |
|                                      | Air Volume                                    | Cooling                         | m <sup>3</sup> /min.    | 31.4                         | 33.8                         | 48.8                          |
|                                      |   | Heating                         | m <sup>3</sup> /min.    | 27.4                         | 27.4                         | 51.3                          |
|                                      | Sound Level (SPL)                             | Cooling                         | dB(A)                   | 46                           | 49                           | 51                            |
|                                      |   | Heating                         | dB(A)                   | 49                           | 50                           | 54                            |
|                                      | Sound Level (PWL)                             | Cooling                         | dB(A)                   | 60                           | 61                           | 64                            |
|                                      | Operating Current (Max.)                      |                                 | A                       | 9.6                          | 10.2                         | 14.8                          |
| Breaker Size                         |   | A                               | 10                      | 12                           | 16                           |                               |
| Ext.Piping                           | Diameter                                      | Liquid/Gas                      | mm                      | 6.35/9.52                    | 6.35/9.52                    | 6.35/9.52                     |
|                                      | Max.Length                                    | Out-In                          | m                       | 20                           | 20                           | 30                            |
|                                      |   | Max.Height                      | Out-In                  | m                            | 12                           | 12                            |
| Guaranteed Operating Range (Outdoor) | Cooling                                       | °C                              | -10 ~ +46               | -10 ~ +46                    | -10 ~ +46                    |                               |
|                                      | Heating                                       | °C                              | -25 ~ +24               | -25 ~ +24                    | -25 ~ +24                    |                               |

(\*1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO<sub>2</sub>, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

(\*2) Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

(\*3) SHi: Super High.

WALL-MOUNTED SPECIFICATIONS