1 Specifications

8-14HP

Table 2-1.1: 8-14HP specifications

HP			8	10	12	14
Model name			MV6-i252WV2GN1-E	MV6-i280WV2GN1-E	MV6-i335WV2GN1-E	MV6-i400WV2GN1-E
Power supply		V/Ph/Hz	380-415/3/50			
Cooling[1]	Capacity	kW	25.2	28.0	33.5	40.0
		kBtu/h	86.0	95.5	114.3	136.5
	Power input	kW	5.5	6.7	8.9	11.0
	EER		4.55	4.20	3.75	3.65
Heating[2]	Capacity	kW	25.2	28.0	33.5	40.0
		kBtu/h	86.0	95.5	114.3	136.5
	Power input	kW	4.8	5.5	7.6	9.3
	COP		5.20	5.10	4.40	4.30
Connected indoor unit	Total capacity		50-130% of outdoor unit capacity			
	Maximum quantity		13	16	20	23
Compressor	Type		DC inverter			
	Quantity		1			
	Oil type		FV68H			
	Start-up method		Soft start			
Fan	Type		Propeller			
	Motor type		DC			
	Quantity		1			
	Motor output	kW	0.56	0.56	0.56	0.92
	Airflow rate	m^3/h	11000	11000	11000	13000
	Drive type		Direct			
Refrigerant	Type		R410A			
	Factory charge	kg	11	11	11	13
Pipe connections[3]	Liquid pipe	mm	Φ12.7		Φ15.9	Φ15.9
	Gas pipe	mm	Φ25.4		Φ28.6	Φ31.8
Sound pressure level[4]		dB(A)	58		60	62
Sound power level		dB(A)	78		81	85
Net dimensions (W×H×D)		mm	990×1635×790			1340×1635×850
Packed dimensions (W×H×D)		mm	1090×1805×860			1405×1805×910
Net weight		kg	227			277
Gross weight		kg	242			304
Ambient temp. operation range	Cooling	°C	-5 ~ 48			
	Heating	°C	-23 ~ 24			

Notes:

1. Indoor air temperature 27°C DB, 19°C WB; outdoor air temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
2. Indoor air temperature 20°C DB; outdoor air temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
3. Diameters given are those of the unit's stop valve.
4. 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 name			MV6-i450WV2GN1-E	MV6-i500WV2GN1-E	MV6-i560WV2GN1-E	MV6-i615WV2GN1-E
Power supply		V/Ph/Hz	380-415/3/50			
Cooling[1]	Capacity	kW	45.0	50.0	56.0	61.5
		kBtu/h	153.5	170.6	191.1	209.8
	Power input	kW	12.9	14.7	16.0	20.2
	EER		3.50	3.40	3.50	3.05
Heating[2]	Capacity	kW	45.0	50.0	56.0	61.5
		kBtu/h	153.5	170.6	191.1	209.8
	Power input	kW	10.7	12.2	13.8	17.6
	COP		4.20	4.10	4.05	3.50
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		FV68H			
	Start-up method		Soft start			
Fan	Type		Propeller			
	Motor type		DC			
	Quantity		1		2	
	Motor output	kW	0.92	0.92	0.56×2	0.56×2
	Airflow rate	m^3/h	13000	13000	17000	17000
	Drive type		Direct			
Refrigerant	Type		R410A			
	Factory charge	kg	13	13	17	17
Pipe connections[3]	Liquid pipe	mm	Φ15.9	Φ19.1		
	Gas pipe	mm	Φ31.8	Φ31.8		
Sound pressure level[4]		dB(A)	65		66	
Sound power level		dB(A)	88			
Net dimensions (W×H×D)		mm	1340×1635×850		1340×1635×825	
Packed dimensions (W×H×D)		mm	1405×1805×910			
Net weight		kg	277	295	344	344
Gross weight		kg	304	322	364	364
Ambient temp. operation range	Cooling	°C	-5 ~ 48			
	Heating	°C	-23 ~ 24			

Notes:

1. Indoor air temperature 27°C DB, 19°C WB; outdoor air temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
2. Indoor air temperature 20°C DB; outdoor air temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
3. Diameters given are those of the unit's stop valve.
4. 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.