



Specifications

Full DC Inverter Mini VRF - Heat Pump

Model PMV-			PMV-V80W/DN1	PMV-V105W/DN1	PMV-V120W/DN1	PMV-V140W/DN1	PMV-V160W/DN1(B)
Power supply		V/Ph/Hz	220-240/1/50				
Cooling	Capacity	kW	7.2(1.5~8.0)	9.0(2.0~10.0)	12.5	14.0	15.5
	Power input	kW	1.85	2.30	3.31	3.95	4.52
	EER		3.90	3.92	3.78	3.54	3.43
	ESEER		7.36	7.4	7.1	6.68	6.42
Heating	Capacity	kW	7.2(1.6~8.4)	9.0(2.1~10.5)	14.0	16.0	17
	Power input	kW	1.79	2.27	3.68	4.32	4.77
	COP		4.02	3.97	3.80	3.70	3.56
Connectable indoor unit	Total capacity		45~130% of outdoor unit capacity				
	Max. quantity		4	5	7	8	9
Compressor	Type		Rotary				
	Quantity		1	1	1	1	1
Fan motor	Type		DC Motor				
	Quantity		1	1	2	2	2
Refrigerant	Type		R410A				
	Factory charging	kg	2.95	2.95	2.8	3.2	3.8
	CO ₂ equivalence	kg	6.16	6.16	5.85	6.68	7.93
Pipe connections	Liquid pipe	mm	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53
	Gas pipe	mm	Φ15.9	Φ15.9	Φ15.9	Φ15.9	Φ19.1
Air flow rate		m ³ /h	5500	5500	6000	6000	6000
Sound pressure level		dB(A)	56	57	57	57	57
Sound power level		dB(A)	67	68	70	71	72
Net dimension (WxHxD)		mm	1075 × 966 × 396			900 × 1327 × 400	
Packing size (WxHxD)		mm	1120 × 1100 × 435			1030 × 1456 × 435	
Net weight		kg	75.5	75.5	95	99	100
Gross weight		kg	85.5	85.5	105	109	110
Operating temperature range		°C	Cooling: -15~43; Heating: -15~27				

Notes:

Capacities are based on the following conditions:

Cooling: Indoor temperature 27°C DB/19°C WB; Outdoor temperature 35°C DB/24°C WB; Heating: Indoor temperature 20°C DB/15°C WB; Outdoor temperature 7°C DB/6°C WB.

Piping length: Interconnecting piping length is 7.5m, level difference is zero. Sound values are measured in a semi-anechoic room, at a position 1m in front of the unit and 1m above the floor.



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Full DC Inverter Mini VRF - Heat Pump

Model PMV-			PMV-V120W/DRN1	PMV-V140W/DRN1	PMV-V160W/DRN1	PMV-V180W/DRN1
Power supply		V/Ph/Hz	380-415/3/50			
Cooling	Capacity	kW	12.5	14.0	16.0	17.5
	Power input	kW	3.31	3.95	4.66	5.3
	EER		3.78	3.54	3.43	3.3
	ESEER		7.1	6.68	6.42	6.21
Heating	Capacity	kW	14.0	16.0	17.5	19
	Power input	kW	3.68	4.32	4.92	5
	COP		3.80	3.70	3.56	3.8
Connectable indoor unit	Total capacity		45~130% of outdoor unit capacity			
	Max. quantity		7	8	9	9
Compressor	Type		Rotary			
	Quantity		1	1	1	1
Fan motor	Type		DC motor			
	Quantity		2	2	2	2
Refrigerant	Type		R410A			
	Factory charging	kg	2.8	3.2	3.8	4.5
	CO ₂ equivalence	kg	5.85	6.68	7.93	9.40
Pipe connections	Liquid pipe	mm	Φ9.53	Φ9.53	Φ9.53	Φ9.53
	Gas pipe	mm	Φ15.9	Φ15.9	Φ19.1	Φ19.1
Air flow rate		m ³ /h	6000	6000	6000	6800
Sound pressure level		dB(A)	57	57	57	59
Sound power level		dB(A)	70	71	72	74
Net dimension (WxHxD)		mm	900 x 1327 x 400			
Packing size (WxHxD)		mm	1030 x 1456 x 435			
Net weight		kg	95	99	100	107
Gross weight		kg	106	109	110	118
Operating temperature range		°C	Cooling: -15~43; Heating: -15~27			

Notes:

Capacities are based on the following conditions:

Cooling: Indoor temperature 27°C DB/19°C WB; Outdoor temperature 35°C DB/24°C WB; Heating: Indoor temperature 20°C DB/15°C WB; Outdoor temperature 7°C DB/6°C WB.

Piping length: Interconnecting piping length is 7.5m, level difference is zero.

Sound values are measured in a semi-anechoic room, at a position 1m in front of the unit and 1m above the floor.



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Full DC Inverter Mini VRF - Heat Pump

Model PMV-			PMV-V200W/DRN1	PMV-V224W/DRN1	PMV-V260W/DRN1	PMV-V400W/DRN1(A)	PMV-V450W/DRN1(A)
Power supply		V/Ph/Hz	380-415/3/50				
Cooling	Capacity	kW	20	22.4	26	40	45
	Power input	kW	6.1	6.8	7.6	11.9	13.6
	EER		3.28	3.29	3.42	3.35	3.32
	ESEER		6.19	6.21	6.42	6.26	6.2
Heating	Capacity	kW	22	24.5	28.5	45	50
	Power input	kW	6.1	5.9	6.8	11.1	12.7
	COP		3.61	4.15	4.19	4.05	3.93
Connectable indoor unit	Total capacity		50~130% of outdoor unit capacity				
	Max. quantity		10	11	12	14	15
Compressor	Type		DC inverter				
	Quantity		1	1	1	2	2
Fan motor	Type		DC motor + AC motor			DC motor	
	Quantity		2	2	2	2	2
Refrigerant	Type		R410A				
	Factory charging	kg	4.8	6.2	6.2	9	12
	CO ₂ equivalence	kg	10.02	12.95	12.95	18.79	25.06
Pipe connections	Liquid pipe	mm	Φ9.53	Φ9.53	Φ9.53	Φ12.7	Φ12.7
	Gas pipe	mm	Φ19.1	Φ19.1	Φ22.2	Φ22.2	Φ25.4
Air flow rate		m ³ /h	10999	10494	10494	16575	16575
Sound pressure level		dB(A)	59	59	60	62	62
Sound power level		dB(A)	73	73	74	76	76
Net dimension (WxHxD)		mm	1120x1558x528	1120x1558x528	1120x1558x528	1360x1650x540	1460x1650x540
Packing size (WxHxD)		mm	1270x1720x565	1270x1720x565	1270x1720x565	1450x1785x560	1550x1785x560
Net weight		kg	137	146.5	147	240	275
Gross weight		kg	153	162.5	163	260	290
Operating temperature range		°C	Cooling: -15~46; Heating: -15~24			Cooling: -5~48; Heating: -15~24	

Notes:

Capacities are based on the following conditions:

Cooling: Indoor temperature 27°C DB/19°C WB; Outdoor temperature 35°C DB/24°C WB; Heating: Indoor temperature 20°C DB/15°C WB; Outdoor temperature 7°C DB/6°C WB.

Piping length: Interconnecting piping length is 7.5m, level difference is zero.

Sound values are measured in a semi-anechoic room, at a position 1m in front of the unit and 1m above the floor.