

# Specifications

## Full DC Inverter Mini VRF - Heat Pump



Model MDV-		V80W/DN1	V105W/DN1	V120W/DN1	V140W/DN1	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
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 <sup>3</sup> /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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