

# Full DC Inverter Mini VRF - Heat Pump



Model MDV-			V120W/DRN1	V140W/DRN1	V160W/DRN1	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
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 <sup>3</sup> /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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