

# Specifications



5/7kW model

10/12kW model

Model			MDVG -V5WD2ER1	MDVG -V7WD2ER1	MDVG -V10WD2ER1	MDVG -V12WD2ER1
Power supply		V/Ph/Hz	220-240/1/50			
Cooling <sup>1</sup>	Capacity	kW	5.0	7.0	10.0	11.2
	Rated input	kW	1.55	2.25	2.95	3.50
	EER			3.23	3.11	3.39
Cooling <sup>2</sup>	Capacity	kW	5.6	8.0	10.6	12.2
	Rated input	kW	1.15	1.85	2.50	2.65
	EER			4.87	4.32	4.24
Heating <sup>3</sup>	Capacity	kW	6.2	8.0	11.0	12.3
	Rated input	kW	1.90	2.5	3.14	3.78
	COP			3.26	3.20	3.50
Heating <sup>4</sup>	Capacity	kW	6.2	8.6	11.5	13.0
	Rated input	kW	1.35	2.10	2.65	2.92
	COP			4.59	4.10	4.34
Seasonal space heating energy efficiency class			A+	A+	A+	A+
Compressor	Type		Rotary			
Outdoor fan	Motor type		DC Motor			
Air heat exchanger	Type		Fin-coil			
Water heat exchanger	Type		Plate			
Water pump	Pump head	m	6.2	6.2	7.0	7.0
Refrigerant	Type		R410A			
	Charged volume	kg	2.5	2.5	2.8	2.8
Throttle type			Electronic expansion valve			
Sound power level		dB	63	66	68	68
Unit net dimension (WxHxD)		mm	1,008x963x396	1,008x963x396	970x1,327x400	970x1,327x400
Packing dimension (WxHxD)		mm	1,120x1,100x435	1,120x1,100x435	1,082x1,456x435	1,082x1,456x435
Net/ Gross weight		kg	81/91	81/91	110/121	110/121
Water piping connection		inch	1"	1"	1-1/4"	1-1/4"
Ambient temperature range	Cooling	°C	-5-46			
	Heating	°C	-15-27			
LWT setting range	Cooling	°C	4-20			
	Heating	°C	35-54			

## Notes:

1. Ambient temperature 35°C. Water in/out 12/7°C
2. Ambient temperature 35°C. Water in/out 23/18°C
3. Ambient temperature 7°C °C85% R.H., Water in/out 40/45°C
4. Ambient temperature 7°C °C85% R.H., Water in/out 30/35°C
5. The above data test reference standard EN14511; EN14825; EN50564; EN12102; (EU)No:811; (EU)No:813; OJ 2014/C 207/02