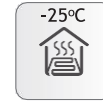


MDV M thermal E Series Mono



Features

- ❖ Comprehensive solutions: heating, cooling, sanitary hot water
- ❖ Environmental protection R32 refrigerant with low GWP and carbon emission
- ❖ High capacity at low ambient temperature
- ❖ Operation range down to -25°C
- ❖ Weather dependent operation with climate correlation to ensure absolute comfort
- ❖ Two zones control more flexibility
- ❖ Silent mode for night operation
- ❖ DC twin rotary compressors and DC fan motors
- ❖ Modbus protocol and network flexibility
- ❖ Customizable backup electric heater
- ❖ APP control
- ❖ Smart Grid function
- ❖ Wired controller with multiple languages, built-in wifi module and temperature sensor



Specifications

Mono

Model name MDVC-			V5WD2ER8-E	V7WD2ER8-E	V9WD2ER8-E	V12WD2ER8-E	V14WD2ER8-E	V16WD2ER8-E	V12WD2BR8-E	V14WD2BR8-E	V16WD2BR8-E
Power supply			220-240/1/50			220-240/1/50			380-415/3/50		
Heating ¹	Capacity	W	4.65	6.65	8.60	12.30	14.10	16.30	12.30	14.10	16.30
	Rated input	W	0.93	1.35	1.87	2.56	3.07	3.66	2.54	3.05	3.63
	COP		5.00	4.94	4.60	4.81	4.60	4.45	4.84	4.63	4.49
Heating ²	Capacity	W	4.80	6.70	8.60	12.40	14.10	16.20	12.40	14.10	16.20
	Rated input	W	1.33	1.88	2.50	3.52	4.06	4.72	3.45	3.99	4.70
	COP		3.60	3.57	3.44	3.53	3.47	3.43	3.59	3.54	3.45
Heating ³	Capacity	W	4.65	6.80	8.60	11.90	14.20	16.10	11.90	14.20	16.10
	Rated input	W	1.77	2.42	3.13	4.28	5.17	5.91	4.24	5.10	5.83
	COP		2.63	2.81	2.75	2.78	2.75	2.73	2.81	2.79	2.76
Cooling ⁴	Capacity	W	4.60	6.45	8.00	12.20	14.00	15.50	12.20	14.00	15.50
	Rated input	W	0.95	1.39	1.92	2.55	3.10	3.64	2.53	3.11	3.63
	EER		4.82	4.65	4.16	4.78	4.52	4.26	4.83	4.50	4.27
Cooling ⁵	Capacity	W	4.85	6.30	7.95	10.90	12.90	13.80	10.90	12.90	13.80
	Rated input	W	1.63	2.27	3.15	3.74	4.62	5.21	3.72	4.62	5.19
	EER		2.98	2.77	2.53	2.92	2.80	2.65	2.93	2.80	2.66
Seasonal space heating energy efficiency class ⁶	LWT at 35°C	class	A+++	A+++	A+++	A++	A++	A++	A++	A++	A++
	LWT at 55°C	class	A++	A+	A++	A++	A++	A++	A++	A++	A++
Sound power level ⁷		dB	61	64	67	68	71	71	68	71	71
Net dimensions (W×H×D)	mm		1210×945×402			1404×1414×405			1404×1414×405		
Packed dimension (W×H×D)	mm		1285×1090×435			1430×1475×450			1430×1475×450		
Net/Gross weight	kg		92/111			158/178			172/193		
Ambient temperature range	Cooling	°C	-5-43			-5-46			-5-46		
	Heating	°C	-25-35			-25-35			-25-35		
	DHW	°C	-25-43			-25-43			-25-43		
Water outlet temperature range	Cooling	°C	5-25			5-25			5-25		
	Heating	°C	25-60			25-60			25-60		
	DHW	°C	40-60			40-60			40-60		
Refrigerant	Type		R32			R32			R32		
	Charged volume	kg	2.0			2.8			2.8		

Notes:

1. Evaporator air in 7°C, 85% R.H., Condenser water in/out 30/35°C
2. Evaporator air in 7°C, 85% R.H., Condenser water in/out 40/45°C
3. Evaporator air in 7°C, 85% R.H., Condenser water in/out 47/55°C
4. Condenser air in 35°C. Evaporator water in/out 23/18°C
5. Condenser air in 35°C. Evaporator water in/out 12/7°C
6. Seasonal space heating energy efficiency class testes in average climate general conditions.
7. Testing standard: EN12102-1
8. The above data test reference standard EN14511; EN14825; EN50564; EN12102; (EU) No:811/2013; (EU)No:813/2013; OJ 2014/C 207/02:2014

Commercial Air Conditioner Division

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Note: Product specifications change from time to time as product improvements and developments are released and may vary from those in this document.

GD MIDEA Heating & Ventilating Equipment Co. Ltd participates in the ECP programme for LCP-HP. Check ongoing validity of certificate: www.eurovent-certification.com