Specifications

Model name			MDVC-V26 WD2BR7-M	MDVC-V30 WD2BR7-M	MDVC-V35 WD2BR7-M	MDVC-V40 WD2BR7-M
Heating (A7/W35)	Capacity	kW	26.0	30.0	35.0	
	Rated input	kW	5.45	6.67	8.40	
	COP		4.77	4.50	4.17	
Cooling (A35/W18)	Capacity	kW	26.0	30.0	35.0	
	Rated input	kW	5.60	6.80	8.50	
	EER		4.64	4.41	4.12	
Seasonal space heating energy efficiency class	Water outlet at 35°C	ηs	194.9%	193.8%	176.3%	
		class	A+++	A+++	A+++	
Power supply		V/Ph/Hz	380-415/3/50			
Compressor	Type		Scroll Type			
Outdoor fan	Motor type		DC brushless motor			
	Number of fans		2			
	Air flow	m^3/h	10500			
Air side heat exchanger	Type		Finned tube			
Water side heat exchanger	Type		Plate heat exchanger			
Connection of water side	Dimension	mm	DN32			
	Method		Threaded connection			
Water pump	Type		Canned-motor pump			
	Max. pump head	m	12			
Expansion vessel	Volume	L	5			
	Charge pressure	MPa	0.8			
Safety valve		MPa	0.3			
Water flow range		m^3/h	1.2-5.4	1.2-6.2	1.2-7.2	
Refrigerant	Type		R290			
	Charged volume	kg	2.9			
Throttle type			EEV			
Unit dimension (W×H×D)		mm	1384*1816*523			
Packing dimension (W×H×D)		mm	1480*2000*570			
Net/Gross weight		kg	260/285			
Outdoor air temperature range	Cooling	°C	-15～48			
	Heating	°C	-25～43			
	DHW	°C	-25～43			
Water outlet temperature setting range	Cooling[2]	°C	0～25			
	Heating	°C	25～85			
	DHW	°C	20～75			

Note:
1. Parameters may change with product updates, based on the machine nameplate.
2. Antifreeze liquid is needed when water outlet temperature reaches 5°C.
3.The specifications of 40kW unit under test.

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

Quality Assurance ISO 9001 · Environmental Management ISO 14001 · Occupational Health and Safety Management ISO 45001

MDV Mars Series

R290 All Inverter Air Source Heat Pump

85°C

Efficient and Versatile

- Product capability: 26/30/35/40 kW
- Minimum operating ambient temperature: -25°C
- Maximum outlet water temperature: 85°C
- Maximum DHW (domestic hot water) temperature : 70°C
- Energy efficiency ratings of A+++ (at 35°C water outlet temperature)
- Energy efficiency ratings of A++ (at 55°C water outlet temperature)

Environmentally friendly

Natural Refrigerant R290

- Much lower GWP value to meet EU carbon neutrality
- No ozone depletion potential
- Excellent thermodynamic performance
- Great thermal efficiency for most conditions

GWP=3
Lower impact on global warming

ODP=O
Neutral for the ozone layer

Easy to use

Color-screen Smart Controller

- A temperature display that is accurate to ±0.1°C and has a high resolution
- Multiple operating modes including heating, cooling, and DHW (domestic hot water)
- Timing options for daily and weekly schedules to meet different needs

Daily timer · Silent mode · Holiday mode · Disinfection · Water pump · Weekly timer · Defrost · Anti-freezing function

Advanced configurations

Inverter Water Pump

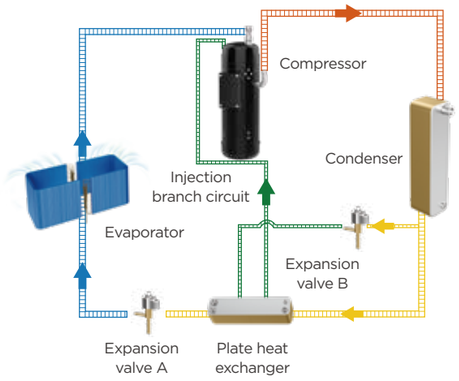
- Adaptive adjustment to the optimal target temperature difference
- Combine efficiency with user comfort
- The power consumption of water pump transmission and distribution can be reduced by 70%

Inverter Fan and Compressor

- Precise water temperature control（±0.1°C）
- Adaptive and efficient operation throughout the operating range

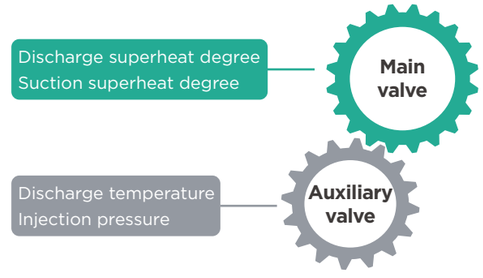
R290 Dedicated Inverter EVI Scroll Compressor

- Low temperature heating performance improved by 20%
- Condensation temperature is up to 85°C, and the unit has a higher outlet water temperature



EVI(Enhanced vapor injection) technology

- Increase refrigerant circulation of heat pump at low ambient temperature
- Improve low temperature heating capacity and energy efficiency



Discharge Temperature Control Technology through Gas-Liquid Mixture Injection

- Control the proportion of liquid injection to ensure that the exhaust temperature is controlled within 110°C
- When the unit runs at -15°C ambient temperature, the outlet temperature can reach 85°C
- When the unit runs at -25°C ambient temperature, the outlet temperature can reach 75°C