Specifications

Model name			MHC-V35WD2RN7	MHC-V30WD2RN7
Heating (A7/W35)	Capacity	kW	35.0	30.0
	Rated input	kW	8.4	6.9
	COP		4.17	4.35
Cooling (A35/W18)	Capacity	kW	35.0	30.0
	Rated input	kW	8.8	7.0
	EER		3.98	4.29
Seasonal space heating energy efficiency class	Water outlet at 35°C	ηs	176.1	183.0
		class	A+++	A+++
		SCOP	4.48	4.65
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	11000	
Air side heat exchanger	Type		Finned tube	
Water side heat exchanger	Type		Plate heat exchanger	
Connection of water side	Dimension	mm	DN25	
	Method		Threaded connection	
Water pump	Type		Canned-motor pump	
	Max. pump head	m	12	
Expansion vessel	Volume	L	8	
	Charge pressure	MPa	0.15	
Safety valve		MPa	0.3	
Water flow range		m^3/h	0.87-7.20	
Refrigerant	Type		R290	
	Charged volume	kg	2.9	
Throttle type			EEV	
sound power Level	Heating A7/W35	dB(A)	76.4	
	Cooling A35/W18	dB(A)	76.3	
Unit dimension (W×H×D)		mm	1384*1816*523	
Packing dimension (W×H×D)		mm	1465*1986*560	
Net/Gross weight		kg	245/265	
Outdoor air temperature range	Cooling	°C	-15～48	
	Heating	°C	-25～35	
	DHW	°C	-25～46	
Water outlet temperature setting range	Cooling	°C	0～25	
	Heating	°C	25～85	
	DHW	°C	20～70	

Note: Parameters may change with product updates, based on the machine nameplate.

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Midea reserves the right to change the specifications of the product, and to withdraw or replace products without prior notification or public announcement.Midea is constantly developing and improving its products.
GD MIDEA Heating & Ventilating Equipment Co. Ltd participates in the ECP programme for LCP-HP. Check ongoing validity of certificate: www.eurovent-certification.com

HM-M202310V3

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



Mars Series

R290 All Inverter Air Source Heat Pump

85°C

CE | MCS CERTIFIED | EUROVENT CERTIFIED PERFORMANCE



Efficient and Versatile



- Product capability： 30/35kW
- 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

GWP=3
Lower impact on global warming

ODP=O
Neutral for the ozone layer

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

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

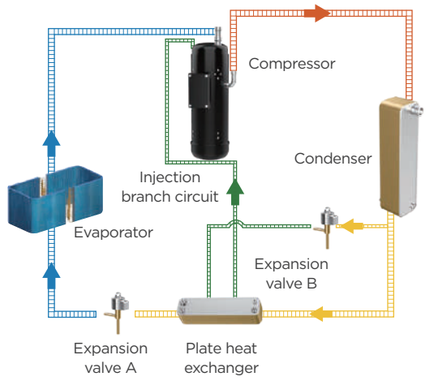
- Adaptive adjustment to the optimal target temperature difference
- Combine efficiency with user comfort
- The power consumption of water pump transmission and distribution can be reduced by 70%

Inverter Fan and Compressor

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

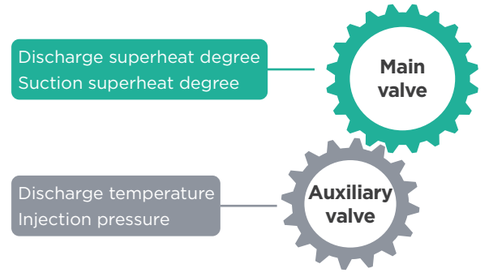
R290 Dedicated Inverter EVI Scroll Compressor

- 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