SPECIFICATIONS

Model		MHS-SVC50-RN7TL-B	MHS-SVC60-RN7TL-B	MHS-SVC70-RN7TL-B
Heating Capacity (A7W35)	KW	50	60	70
Heating COP (A7W35)	/	4.70	4.30	4.00
SCOP / Efficiency Rating (Average-35℃)	/	4.70/A+++	4.60/A+++	4.50/A+++
Cooling Capacity (A35W7)	KW	50	60	65
Cooling EER (A35W7)	/	3.30	3.00	2.80
Cooling ambient temperature	°C	-15-48		
Heating ambient temperature	°C	-25-43		
DHW ambient temperature	°C	-25-43		
Cooling supply water temperature	°C	-5-25 *		
Heating supply water temperature	°C	25-85		
DHW supply water temperature	°C	20-80		
sound power level (ErP-Low temperature)	dB(A)	80	84.4	86.4
Net Dimensions (W*D*H)	mm	2000*960*1880		
Floor space	m²	1.92		
Net weight	Kg	560		

Note: Parameters are for reference only.
* Below 5°C, anti-freeze liquid is needed.

	Standard	Optional
Hydraulic module	×	✓
Appearance colour[1]	Starburst Grey	✓
Three-phase protector	×	✓
Water-side filter	×	✓
Centralized drainage	×	✓
Bottom plate electric heating	×	✓
Anti-corrosive customization[2]	×	✓

Notes:
1. For more colors, please consult us.
2. For more details, please consult us.

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

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.





R290 All Inverter
Commercial Heat Pump
50/60/70 kW

Mars Large series

MAIN FEATURES

All DC Inverter

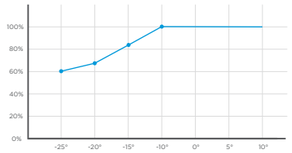
- High efficiency for energy saving
- Precise consumption on real load & Quick start-up and less frequent start/stop

Environment friendly

- R290 refrigerant: GWP=0.02

Strong Heat in Low Temperature

- 100% heating capacity at -10 °C
  ⩾ 80% heating capacity at -15 °C
  ⩾65% heating capacity at -20 °C
  ⩾60% heating capacity at -25 °C



Note: For 50 kW and 60 kW units

Efficiency Rating A+++

- All models (Average-35°C) ErP efficiency rating A+++.
  Energy saving and high efficiency, green and low carbon.

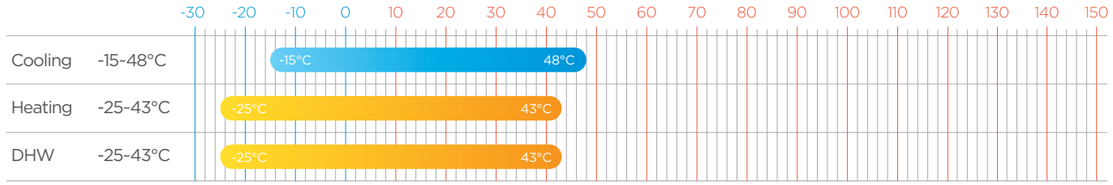
Dual-Compressor System & Dual PHE

- Dual refrigerant flow paths for back-up

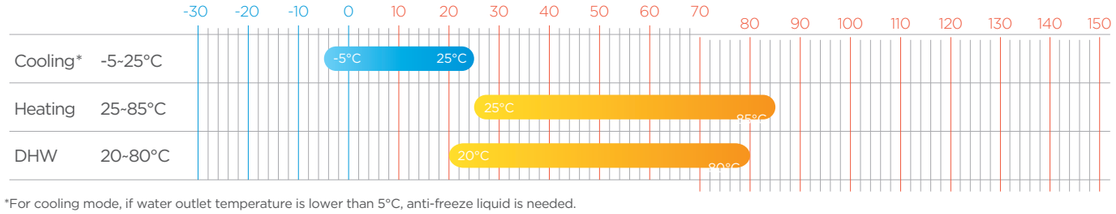
APPLICATION

Wider water temperature range & Higher capacity

Operation ambient temperature



Supply Water Temperature Range



*For cooling mode, if water outlet temperature is lower than 5°C, anti-freeze liquid is needed.

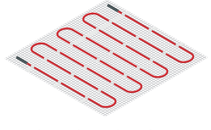
It can be matched with different kinds of terminals to meet the requirements of a variety of scenarios



Fan coil unit



Radiator



Floor heating loop



Water tank



Spacing cooling



Spacing heating

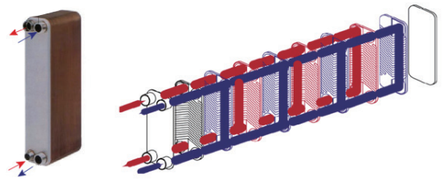


Hot water

ADVANCED CONFIGURATIONS

High-efficiency water-side plate heat exchanger

Heat exchanger multi-plate formed between the multi-layer thin rectangular channel, heat transfer area increased significantly, greatly improving the heat transfer efficiency, reduce heat loss



High Reliability Design

The electric control box is of a sealed design. The water-side exhaust valve is also designed to remove the gases from the water system (including the refrigerant that may have leaked into the water system).

Intelligent anti-freezing software design avoids freezing and cracking in water pipes.

Porous grooves and centralized drainage plus bottom plate electric heating to avoid ice build-up.

The core components of the control board, such as varistors and relays, are explosion-proof.

Components feature explosion-proof design and are CE-certified.

Easy maintenance

All the panels of the four sides can be taken off for service.

No need to carry any other heavy equipment but only USB can realize program upgrade of outdoor unit.





Modular design, flexible installation

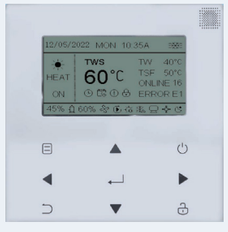
Unit modules of different capacities can be combined freely, and up to 8 units can be connected in parallel.



A maximum of 8 units can be connected in parallel

Wire controller

- Dot matrix LCD screen
- Mute mode setting
- Weekly timer, daily timer
- Standard with 485 interface
- Modbus function



- When the heating/cooling/DHW (domestic hot water) modes coexist, you can set the DHW mode to be the priority mode.
- When multiple units are in parallel, the slave units can be set to DHW mode separately.