

# SPECIFICATIONS



Model		MHS-SVC75-XN8TL-B	
Power Supply		V/PH/Hz	208-230/3/60
Cooling <sup>1</sup>	Capacity	TR	19.90
	Input Power	kW	23.33
	EER	Btu/W*h	10.24
IPLV		Btu/W*h	20.16
Heating 47°F/105°F LWT <sup>2</sup>	Capacity	kBtu/h	255.9
	Input Power	kW	18.99
	COP	kW/kW	3.95
Heating 17°F/105°F LWT <sup>3</sup>	Capacity	kBtu/h	211.6
	Input Power	kW	23.85
	COP	kW/kW	2.6
Heating 47°F/120°F LWT <sup>4</sup>	Capacity	kBtu/h	255.9
	Input Power	kW	22.06
	COP	kW/kW	3.40
Heating 17°F/120°F LWT <sup>5</sup>	Capacity	kBtu/h	204.7
	Input Power	kW	26.67
	COP	kW/kW	2.25
Sound Pressure <sup>6</sup>	Cooling (95°F/44°F LWT)	dB(A)	67
	Heating (47°F/105°F LWT)	dB(A)	69.5
Refrigerant <sup>7</sup>	Refrigerant Name	-	R32
Compressor	Type	-	Inverter Scroll*2
Evaporator	Type	-	Plate
Fan	Type	-	BLDC
	Number of Fans	-	2
Net Weight		lbs	1192
Net Dimensions	W*H*D	inch	78.74*74.02*37.8
Operating Ambient Temperature Range	Cooling	°F	5-131
	Heating	°F	-22-118.4
	DHW	°F	-22-118.4
Supply Water Temperature Range	Cooling	°F	14-77
	Heating	°F	77-149
	DHW	°F	86-140
	DHW (with Auxiliary Electric Heat)	°F	86-158

1. AHRI 550-590 Cooling Capacity Conditions: 95°F Ambient Air, 54°F EWT and 44°F LWT;  
 2~5. Full Load Heating Performance Tested to AHRI Standard 550/590;  
 6. Sound Pressure Tested at 5 Feet;  
 7. This product contains fluorinated greenhouse gases (R32, GWP(Global warning potential : 675)).  
 8. Some specifications may change, for reference only.



## R32 All Inverter Commercial heat pump Aqua thermal Super Series

Machine colors, hydraulic modules and single/double-wall heat exchangers can be customized to meet different needs



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 Midea is constantly developing and improving its products.

# MAIN FEATURES

## Environment friendly

- R32 refrigerant with low GWP
- Zero impact on ozone layer
- Less carbon emission

## High reliability

- Multiple operation protection
- Alternative cycle duty/defrosting operation
- Back-up function

## All DC Inverter

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

## Comfort

- Automatically adjust the target outlet temperature
- Stable and comfortable outlet temperature

## Silence

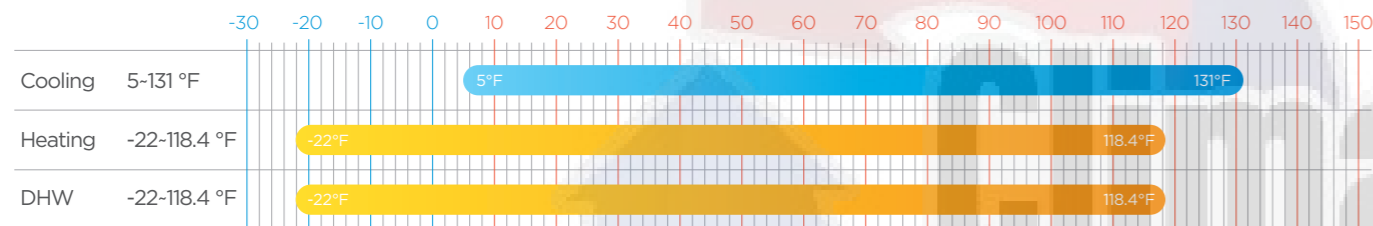
- Multiple silence modes
- Adapt to the noise requirements at different times of the day

## High-efficiency

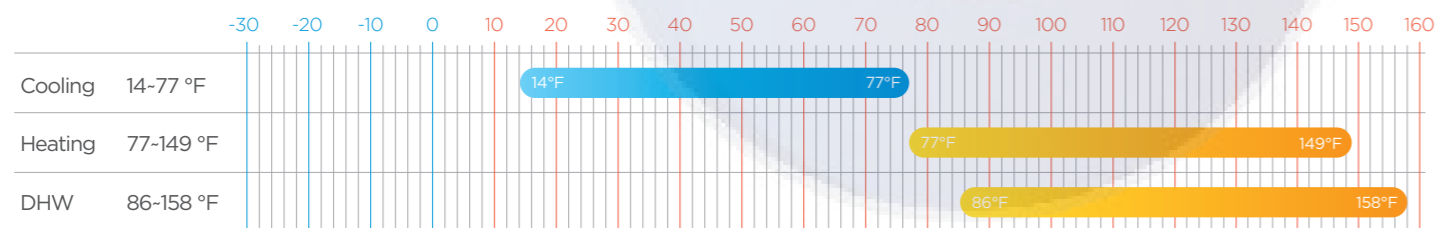
- Efficient plate heat exchanger
- High energy efficiency ratio

# APPLICATION

## Operating temperature range



## Supply Water Temperature Range



Note: high temperature DHW mode (need Auxiliary Electric Heat)

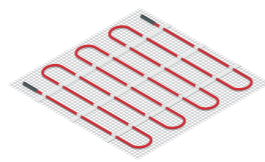
It can be matched with different kinds of terminals to meet the requirements of a variety of scenarios



Fan coil unit



Radiator



Floor heating loop



Water tank



Spacing cooling



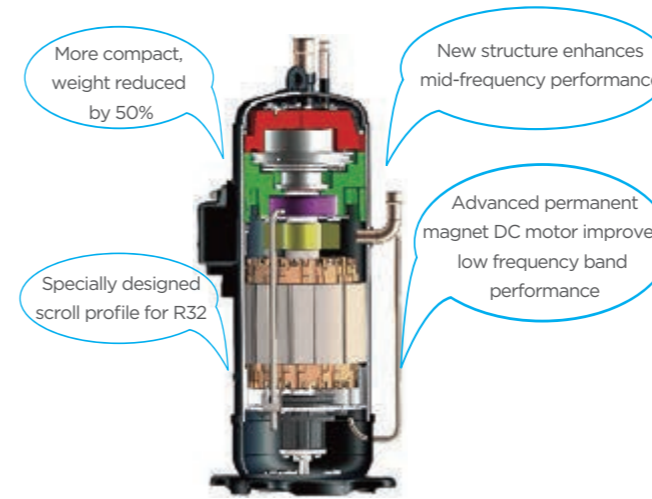
Spacing heating



Hot water

# ADVANCED CONFIGURATIONS

## DC Inverter compressor



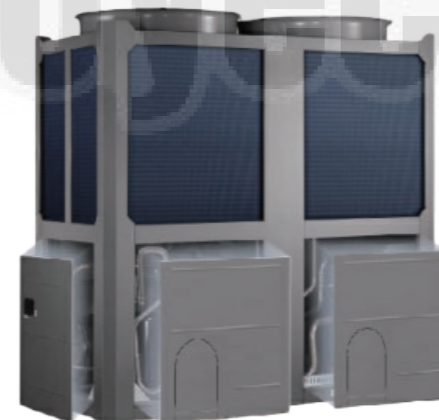
## Micro channel refrigerant cooling technology

The refrigerant flows heat transfer directly inside the aluminum block, and the refrigerant flow channel is corrugated, which increases the heat transfer contact area between the refrigerant and the aluminum block, and the radiator thinner, improve the heat transfer efficiency of the refrigerant radiator, break through the higher water temperature limit.



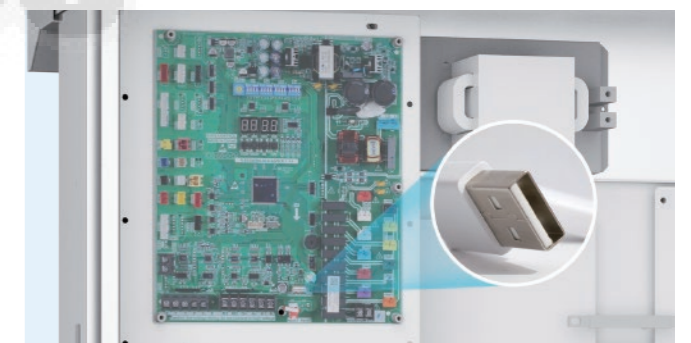
## Easy maintenance

All surrounding panels of the unit can be disassembled, facilitating daily maintenance.



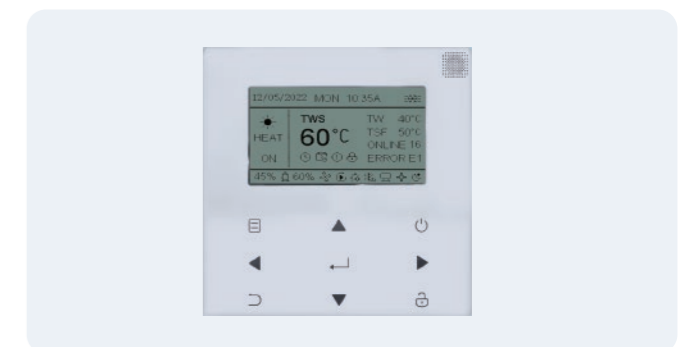
## Convenient program upgrade

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



## LCD touch wire controller

- Dot matrix LCD screen
- Weekly time, daily time
- Double temperature point setting
- Mute mode setting
- Master/slave wire controller settings
- Buzzer sound and alarm function



When the heating/cooling/DHW (domestic hot water) modes coexist, you can set the hot water making operation to be preferred. Multiple units in parallel, the slave can be set up to make hot water separately.