

Specifications

Model name			MC-SS130-RN1TL	MC-SS260-RN1TL
Power supply	V/Ph/Hz		380-415/3/50	380-415/3/50
Cooling(A35W7)	Capacity	kW	130	265
	Rated input	kW	42.3	84.0
	EER		3.07	3.15
Heating(A7W45)	Capacity	kW	138	280
	Rated input	kW	43.0	84.8
	COP		3.21	3.30
Compressor	Type		Scroll (Fixed)	Scroll (Fixed)
Air side heat exchanger	Type		Finned tube	Finned tube
Fan	Fan motor type		DC motor	DC motor
Water side heat exchanger	Type		Shell-tube	Shell-tube
	Rated water flow	m³/h	22.4	45.6
	Water pressure drop	kPa	40	60
Refrigerant system	Refrigerant type		R410A	R410A
	Refrigerant charge	kg	20	40
	Throttle type		EXV	EXV
Net dimensions (WxHxD)	mm		1120*2300*2200	2753*2415*2220
Packed dimensions (WxHxD)	mm		1180*2445*2250	2810*2450*2290
Net weight	kg		831	1890
Gross weight	kg		852	1900
Pipe connections	Water inlet/outlet	mm	DN65	DN100
Water pressure range	MPa		1.0	1.0
Ambient temperature range	Cooling	°C	-10~52	-10~52
	Heating	°C	-15~24	-15~24
Water outlet temperature ¹	Cooling	°C	0~25	0~25
	Heating	°C	25~50	25~50

Note: 1.Antifreeze liquid is needed when water outlet temperature is below 5°C



Midea King Plus Series T3 condition Low ambient cooling

Midea Building Technologies Division Midea Group

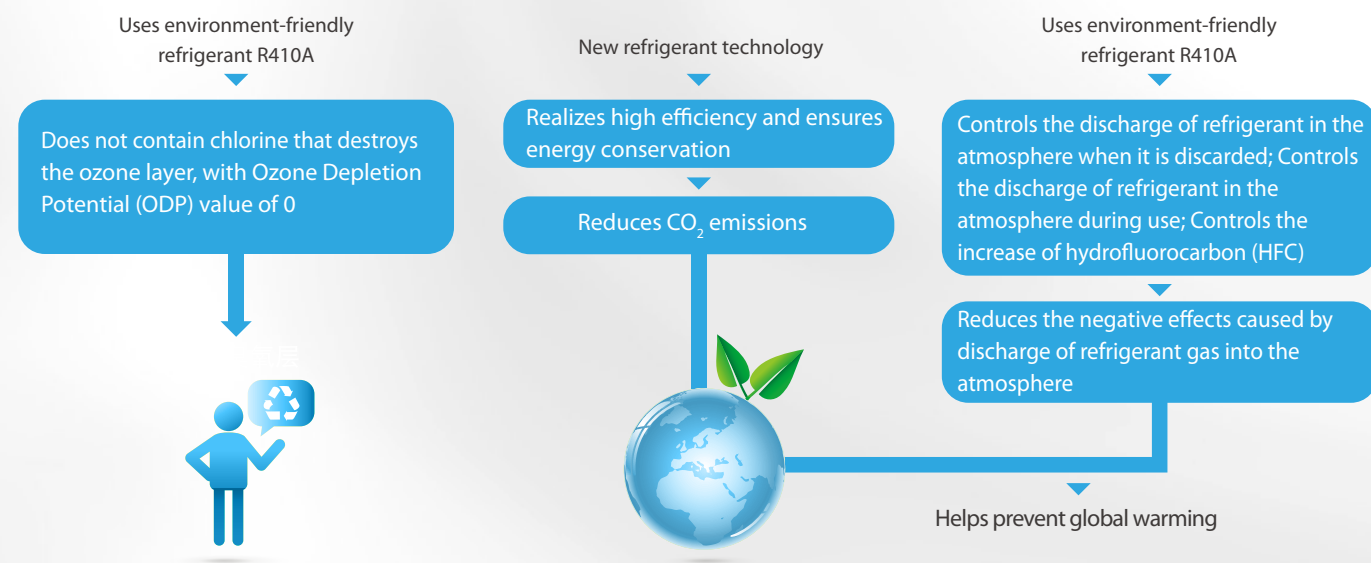
Add.: Midea Headquarters Building, 6 Midea Avenue, Shunde, Foshan, Guangdong, China
Postal code: 528311
mbt.midea.com www.midea-group.com

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.

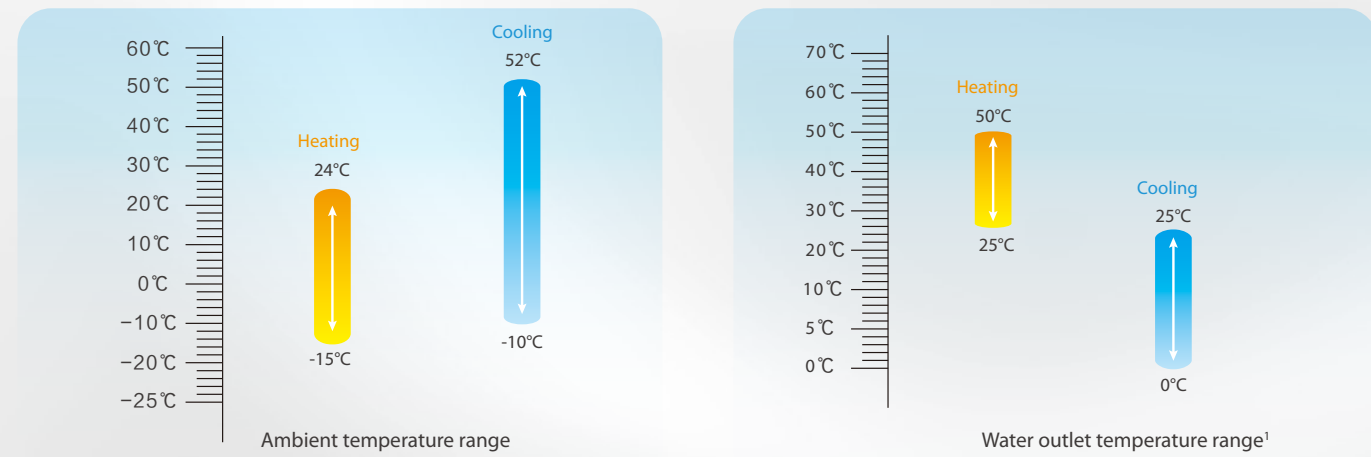


Environment-friendly

Eco-friendly refrigerant R410A is used, with a higher efficiency. R410A does not contain chlorine that destroys the ozone layer, and its Ozone Depletion Potential (ODP) value is 0. R410A also effectively reduces CO₂ emission.



Wide operation range

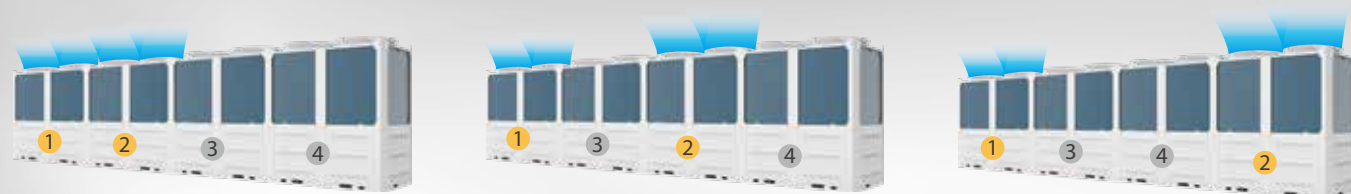


Note: 1. Antifreeze liquid is needed when water outlet temperature reaches 0°C

Stable and reliable

◆ Alternate operation

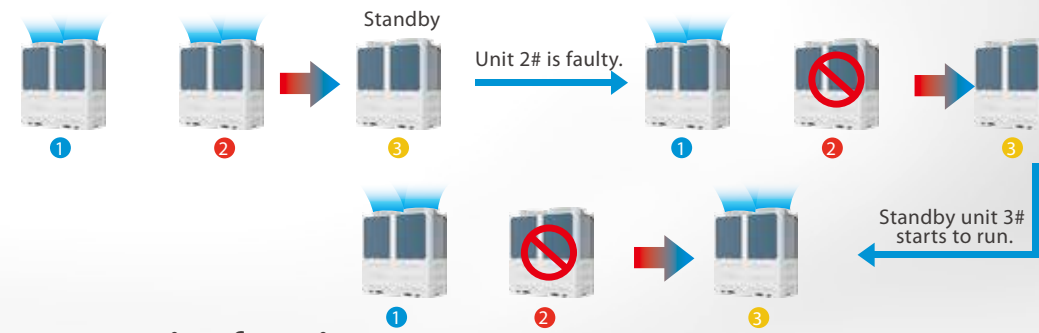
Based on the system load, the unit sets the module that is started preferably in turn and equally allocates the running time of each module, greatly enhancing the reliability of the unit and prolonging its service life.



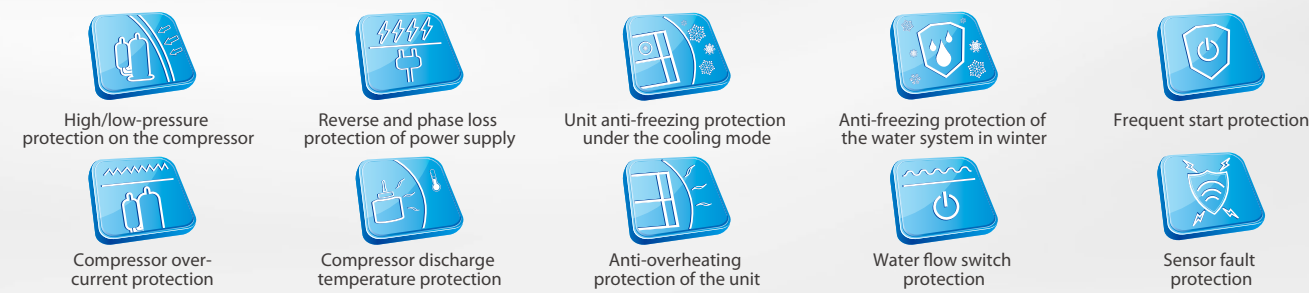
2

◆ Module Standby Operation

With the special standby operation technology, different modules in the same system are standby to each other, ensuring that the system can keep running in an emergency when one or more compressors or modular chillers fail.



◆ Various protection functions



Convenient installation

◆ Modular design

Up to 16 units of 130kW (8 units of 260kW) can be connected in parallel with cooling capacity up to 2080kW, which fully meets different needs.



◆ Easy installation

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

◆ Compact structure

The unit has a compact size and occupies a small area, truly saving space and effectively reducing transportation costs.

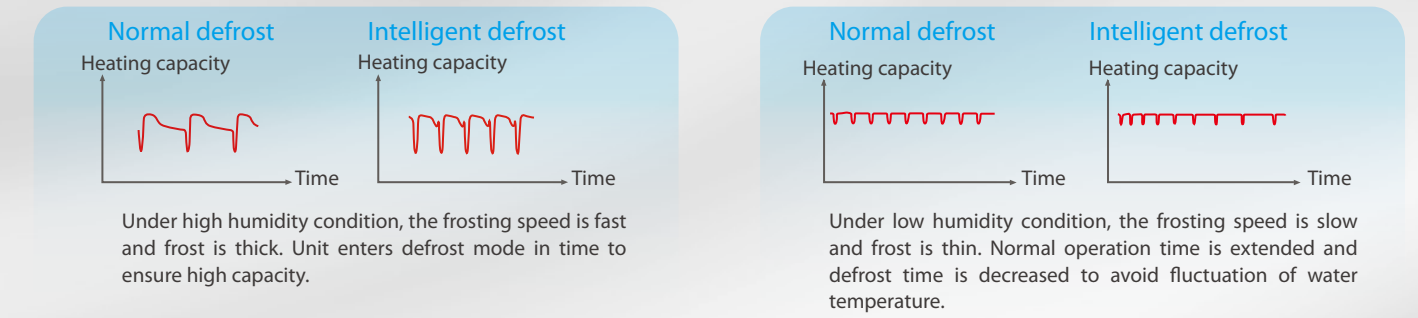
- Midea King Plus series modular chiller
- Ordinary modular chiller



3

◆ Intelligent defrost

Unit enters defrost mode and adjusts defrost period according to ambient temperature, frost forming speed etc to reduce capacity attenuation and fluctuation of water temperature,



Smart control

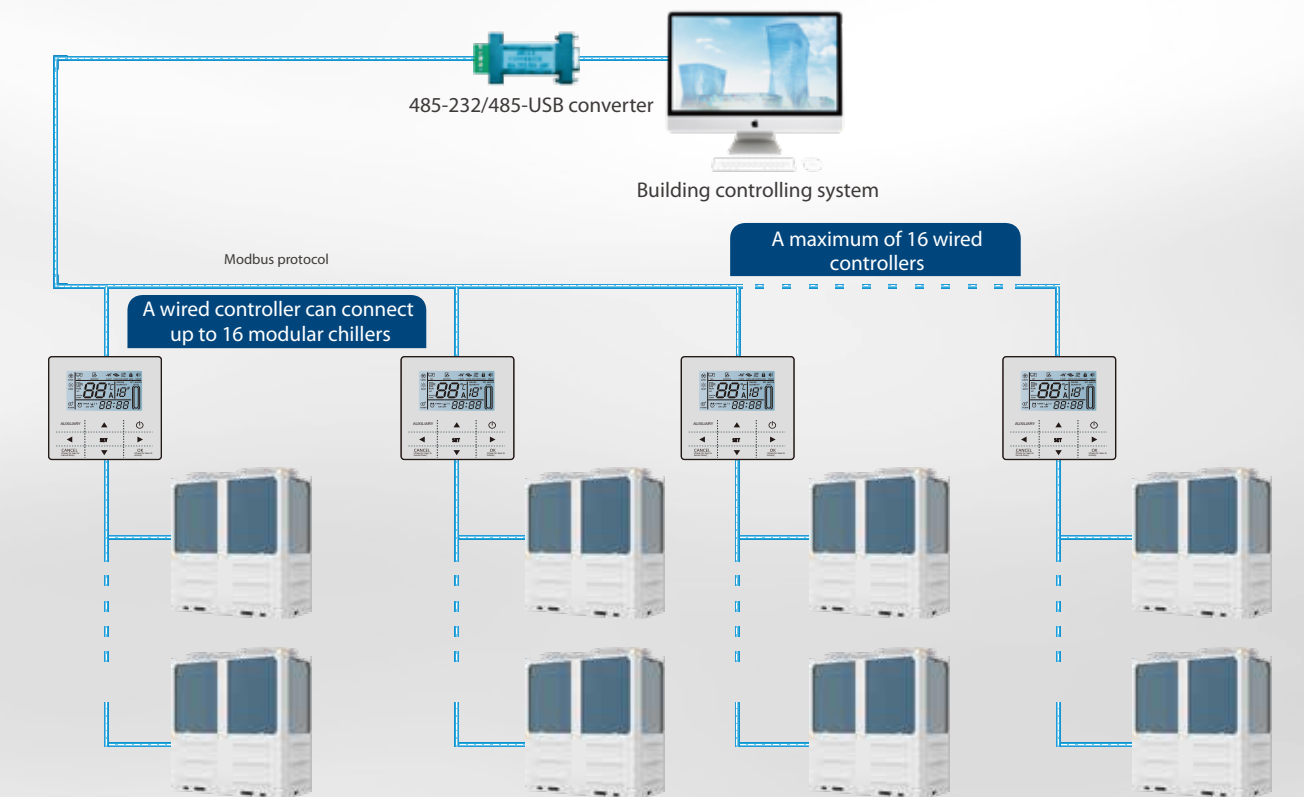
◆ Group control

A single wired controller can control up to 16 modular chillers in a centralized manner, manage the start and stop sequence of the units, and enable users to learn unit operating status and fault status in time.



◆ Smart building control

Modbus is a widely used open protocol, especially in the building management system (BMS). Midea air cooled modular chillers can connect to the BMS in the Modbus protocol to realize remote control of up to 256 air cooled modules.



4