


Table title : Air cooled Scroll Chiller Specification

Model		MC-SS130/RN1L		
Cooling Capacity			kW	130
Heating Capacity			kW	138
Power input	Cooling		kW	42.3
	Cooling rated current		A	73
	Heating		kW	43
	Heating rated current		A	74.4
EER			kW / kW	3.07
COP			kW / kW	3.21
Power supply			V/Ph/Hz	380-415/3/50
Power supply	Manual switch		A	200
	Fuse		A	150
Max. Input consumption			kW	59
Rated current			A	109
Max. starting current			A	308
Compressor	Type	Scroll (fixed speed)		
Refrigerant	Type	R410A		
	Refrigerant control	EXV+ capillary		
	Weight	kg	10.5x2	
Condenser (Air side)	Type	Fin-coil		
	Number of rows	3		
	Fan motor rated current	A	4.5x2	
	Fan motor input	kW	2.35x2	
Evaporator (Water side)	Type	Shell-tube		
	Water pressure drop	kPa	40	
	Volume	L	60	
	Water inlet/outlet pipeline inside normal diameter	mm	DN65	
	Water flow	m3/h	22.4	
	Max. design pressure	MPa	1	
	Water pipe connection type	Flexible joint(Flange)		
Dimension	Net(DxHxW)	mm	2200x2060x1120	
	Packing size(DxHxW)	mm	2250x2200x1180	
Weight	Net weight	kg	965	
	Operation weight	kg	1035	
Connection wiring	Power wire	mm2	35x4+16x1	
	Signal wire	mm2	0.75x3-core shielding	with
Control type				Wired controller
Safety protection device	<ol style="list-style-type: none"> 1) Protection for over-high discharge pressure. 2) Protection for over-low suction pressure. 3) Power supply phase sequence protection. 4) Anti-freezing protection in cooling mode. 5) Anti-freezing protection in Winter. 6) Protection for compressor over current. 7) Protection for compressor overload. 8) Outlet and inlet water temperature difference protection. 9) Compressor discharge temperature protection. 10) Water flow cut-off protection. 11) Sensor malfunction protection. 12) Low ambient temperature drive-up protection 13) Low temperature protection of shell and tube heat exchanger. 			
Noise level		dB(A)	67	
Operation water temp	°C	Cooling : 0 ~ 17(Less than 5°C must add antifreeze) Heating : 25 ~ 50		
Ambient temp	°C	Cooling : -10 ~ 46 Heating : -15 ~ 24		

Note: Specifications are based on the following conditions:

Cooling : chilled water inlet/outlet: 12°C / 7°C, and outdoor ambient temp. of 35°C DB.

Heating : heat water inlet/outlet: 40°C / 45°C, and outdoor ambient temp. 7°C DB/6°C WB.

Water side fouling factor: 0.086m²C /kW.