

Table title : Air cooled Scroll Chiller Specification

Model		MC-SS35/RN1L	
Cooling Capacity		kW	35
Heating Capacity		kW	37
Power input	Cooling	kW	11.5
	Cooling rated current	A	19
	Heating	kW	11.3
	Heating rated current	A	20
EER		kW / kW	3.04
COP		kW / kW	3.27
Power supply		V/Ph/Hz	380-415/3/50
Power supply	Manual switch	A	50
	Fuse	A	36
Max. Input consumption		kW	14
Rated current		A	27
Max. starting current		A	177
Compressor	Type	Scroll (fixed speed)	
Refrigerant	Type	R410A	
	Refrigerant control	EXV+ capillary	
	Weight	kg	5.4
Condenser (Air side)	Type	Fin-coil	
	Number of rows	2	
	Fan motor rated current	A	3.7
	Fan motor input	kW	0.8
Evaporator (Water side)	Type	Double-pipe	
	Water pressure drop	kPa	55
	Volume	L	10
	Water inlet/outlet pipeline inside normal diameter	mm	DN40
	Water flow	m ³ /h	6
	Max. design pressure	MPa	1
	Water pipe connection type	Flexible joint(Flange)	
Dimension	Net(DxHxW)	mm	1020x1770x980
	Packing size(DxHxW)	mm	1070x1900x1030
Weight	Net weight	kg	320
	Operation weight	kg	330
Connection wiring	Power wire	mm ²	10x4+16x1
	Signal wire	mm ²	0.75x3-core with shielding
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)	65	
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: 0.086m²/kW.