



# Air-cooled Scroll Chiller Aqua Tempo Super Series

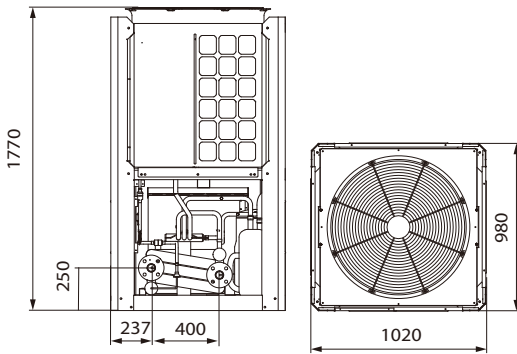
## Features

- ❖ Combination design, maximum capacity ups to 2080kW
- ❖ Freely combine with fan coil units and air handling units
- ❖ Compact structure design, light weight, easy for transportation and installation
- ❖ Wide operation ambient temperature & wide leaving water temperature range
- ❖ H shape condenser, 360°air intake, high efficiency
- ❖ High efficiency tube-in-tube & shell-tube heat exchanger & plate heat exchanger
- ❖ Remote control functions
- ❖ Intelligent defrosting technology, more comfort
- ❖ Alternative cycle duty operation
- ❖ Back-up functions
- ❖ Reliable protections

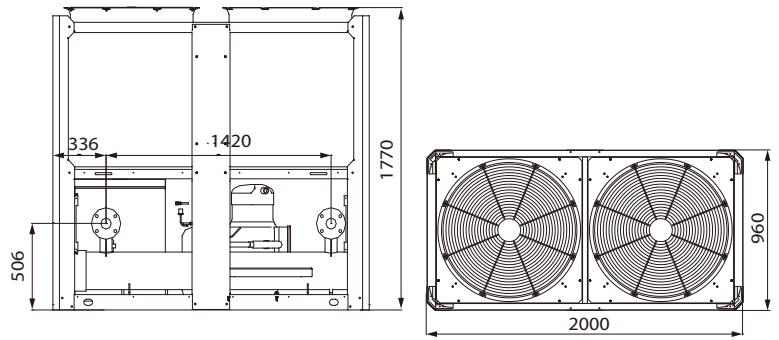


# Dimensions

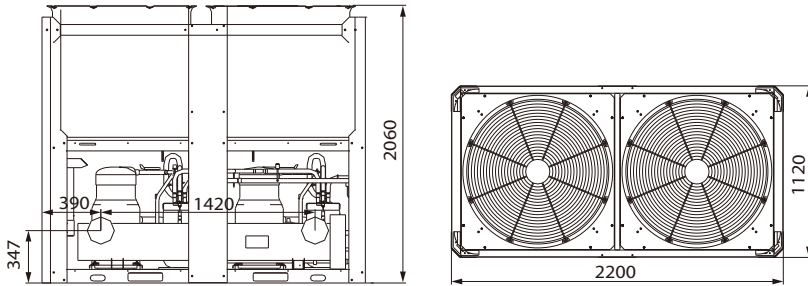
35kW module



65/80kW module



130kW module



Unit:mm

# Specifications

Model			MC-SS35/RN1L	MC-SS65/RN1L	MC-SS80/RN1L	MC-SS130/RN1L	MC-SP35M-RN1L
Power supply		V/Ph/Hz	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
Cooling <sup>1</sup>	Capacity	kW	35	65	80	130	35
	Input	kW	11.5	20.4	25.8	42.3	12.7
	EER		3.04	3.19	3.10	3.07	2.76
Heating <sup>2</sup>	Capacity	kW	37	69	85	138	37
	Input	kW	11.3	21.5	26.5	43	12.5
	COP		3.27	3.21	3.21	3.21	3.04
Max. running current		A	27.0	54.5	65	109	32.1
Compressor	Type		Fixed Scroll	Fixed Scroll	Fixed Scroll	Fixed Scroll	Fixed Scroll
	Quantity	Pieces	1	1	2	2	1
Air side heat exchanger	Type		Fin-coil	Fin-coil	Fin-coil	Fin-coil	Fin-coil
	Fan motor type		AC Motor	AC Motor	AC Motor	AC Motor	AC Motor
	Quality of fan motor	Pieces	1	2	2	2	1
	Air flow	m <sup>3</sup> /h	13,500	27,000	27,000	50,000	13,500
Water side heat exchanger	Type		Tube-in-tube	Shell-tube	Shell-tube	Shell-tube	Plate type
	Volume	L	10	35	47.5	60	2.77
	Water flow volume	m <sup>3</sup> /h	6	11.2	13.8	22.4	6
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A
	Charged volume	kg	5.4	11.5	13	21	5.4
	Throttle type		EXV	EXV	EXV	EXV	EXV
Sound pressurer level <sup>3</sup>		dB(A)	65	67	67	68	65
Unit net dimension(DxHxW)		mm	1,020x1,770x980	2,000x1,770x960	2,000x1,770x960	2,200x2,060x1,120	1,020x1,770x980
Packing dimension(DxHxW)		mm	1,070x1,900x1,030	2,090x1,890x1,030	2,090x1,890x1,030	2,250x2,200x1,180	1,070x1,900x1,030
Net/Gross weight		kg	320/330	530/590	645/710	950/1,020	343/353
Pipe connections	Water inlet/outlet	mm	DN40	DN65	DN65	DN65	DN40
Controller			Wired controller	Wired controller	Wired controller	Wired controller	Wired controller
Ambient temperature range	Cooling	°C	-10~46	-10~46	-10~46	-10~46	-10~46
	Heating	°C	-15~24	-15~24	-15~24	-15~24	-15~24
Water outlet temperature range <sup>4</sup>	Cooling	°C	0~17	0~17	0~17	0~17	0~17
	Heating	°C	25~50	25~50	25~50	25~50	25~50

1. Cooling: Chilled water inlet/outlet temperature: 12/7°C, outdoor ambient temperature 35°C DB.
2. Heating: Warm water inlet/outlet temperature: 40/45°C, outdoor ambient temperature 7°C DB/6°C WB.
3. 1m away in open field.
4. The data is for low water outlet temperature function.

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Note: Product specifications change from time to time as product improvements and developments are released and may vary from those in this document.