

# FCCAS072-1101



	Model	FCCAS072-1101	
	Cooling method	Vapor compression refrigeration	
	Radiating method	Air-cooled	
	Control method	PID	
	Ambient temperature/humidity	10 ~ 35°C , 30 ~ 70%RH	
Performance	Operating temperature range	-70°C~180°C	
	Cooling capacity ※1	0.8kw	
	Heating capacity	5.5kw	
	Temperature stability ※2	±0.5°C	
	Refrigerant	R404A/R508B	
Main components	Compressor	Type	Piston type
		Power	3.5kw
	Condenser	Type	Finned
		Material	Aluminum & Copper
	Throttling device		Electronic expansion valve/Capillary
	Evaporator	Type	Plate heat exchanger
		Material	SUS316
	Water tank volume		≈5L
	Pump	Type	Magnetic pump
		Power	0.37kw
Flow rate (outlet) ※3		35L/min	
Lift (outlet)		30m	
Circulating fluid system	Type	Low temperature heat transfer oil	
	Wetted parts material	SUS 304,PTFE	
	Inlet/outlet Port size	G1/2	
	Drain Port size	G1/2	
Electrical system	Power supply ※4	Single phase AC220V±10%, 50Hz	
	Rated current ※5	50	
	Rated power ※5	10kw	
	Breaker	63A	
Overall dimensions (width * depth * height)		480*678*1615mm	
Weight		≈300kg	
Noise ※6		64dB	
Special requirements		/	

※1 ①Ambient temperature: 25°C , ②Circulating fluid temperature: -60°C , ③ Circulating fluid: heat transfer oil;

※2 Temperature at the thermo-chiller outlet when the circulating fluid flow is at the rated flow and the circulating fluid outlet and return port are directly connected; The installation environment and power supply are within the specification range and stable;

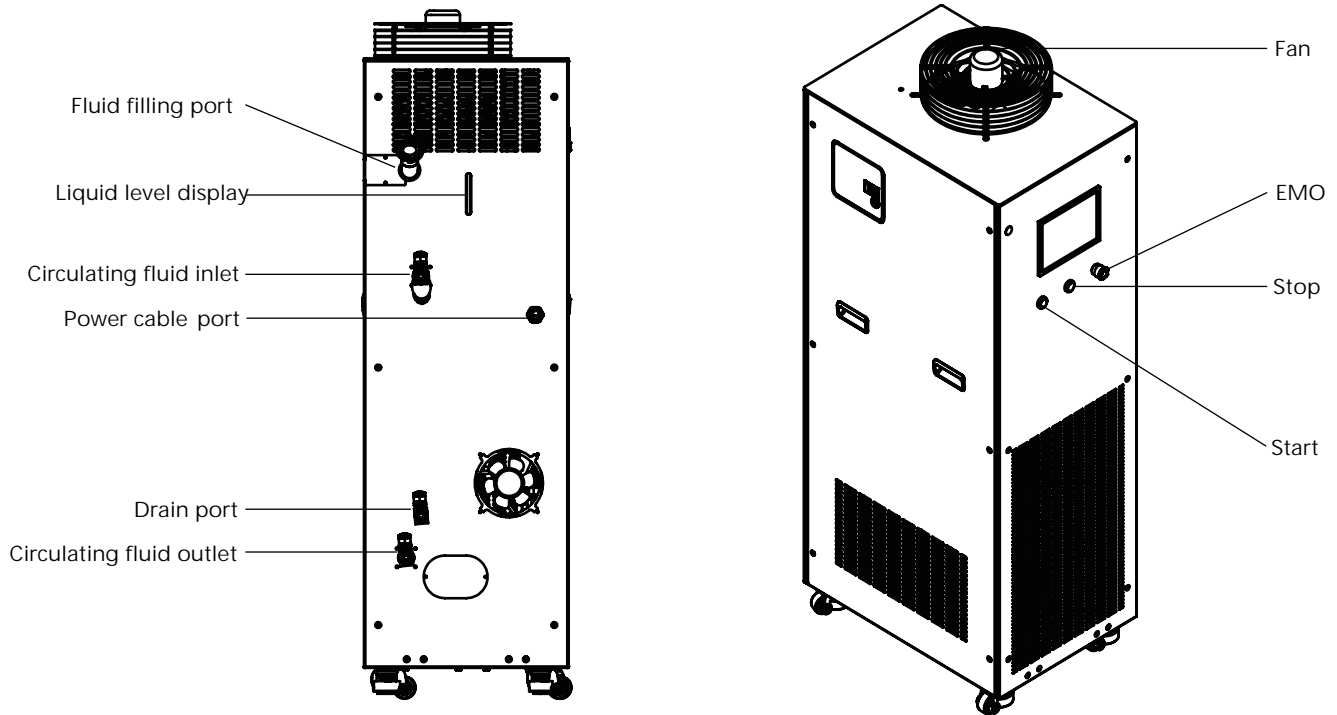
※3 The capacity at the thermo-chiller outlet when the circulating fluid temperature is 20°C;

※4 No continuous voltage fluctuation;

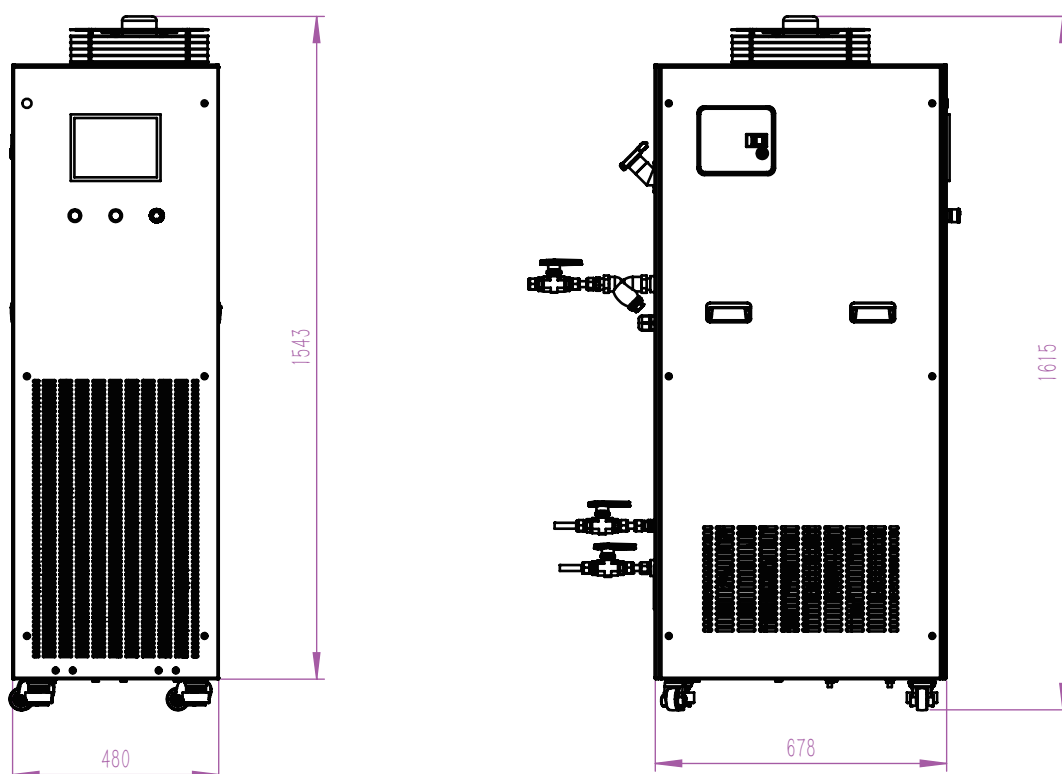
※5 ①Ambient temperature: 25°C , ②Circulating fluid temperature: 25°C , ③Under full power operation of the heater;

※6 Front 1m, height 1m, stable without load.

Parts introduction

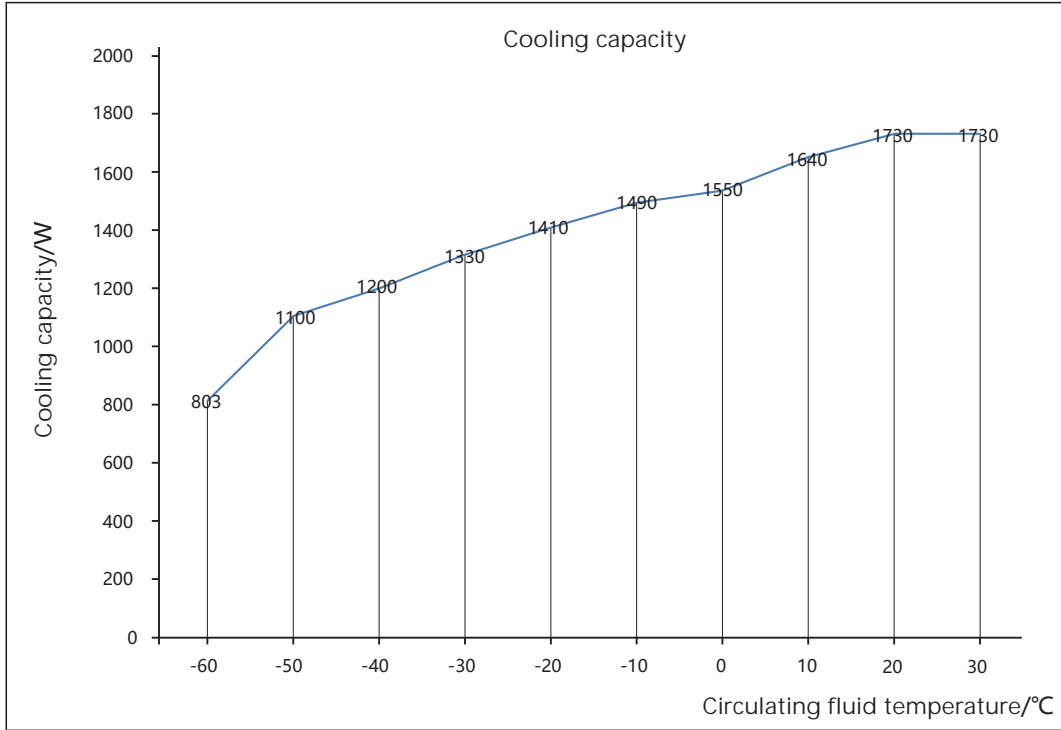


Dimensions

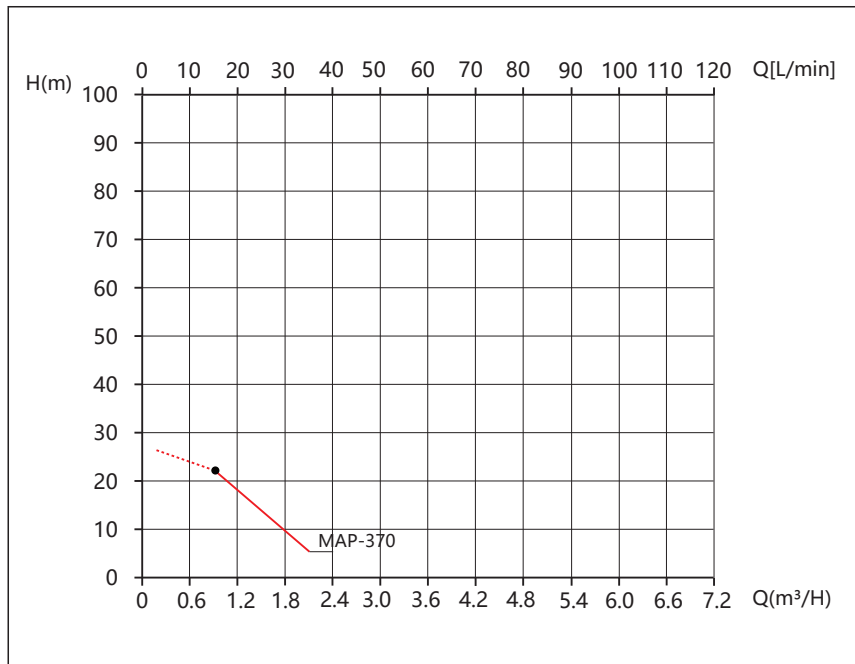


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## Performance curve



Cooling capacity



Pump