

FCCW24211-1101



Model		FCCW24211-1101	
Cooling method		Vapor compression refrigeration	
Radiating method		Water-cooled	
Control method		PID	
Ambient temperature/humidity 1		5~40°C , 35 ~ 70%RH	
Operating temperature range 1		5.0°C-40.0°C	
Performance	Cooling capacity 2	Facility water temperature 25°C Circulating fluid temperature 20°C	2.4kw
		Facility water temperature 32°C Circulating fluid temperature 20°C	3kw
	Heating capacity	Circulating fluid temperature 20°C	0.54kw
	Temperature stability 3		±0.1°C
	Refrigerant		R410a
	Quantity of Refrigerant		0.42kg
Main components	Compressor	Type	Rotary
		Power	0.9kw
	Condensor	Type	Micro-channel
		Material	Aluminum
	Throttling device		Electronic expansion valve
	Evaporator	Type	Plate heat exchanger
		Material	SUS316
	Water tank volume		7.5L
	Pump	Type	Centrifugal pump
		Power	0.25kw
Flow rate (outlet) 4 5		16.8L/min	
Lift		17m	
Circulating fluid system	Type	Pure water/15% ethylene glycolsolution	
	Wetted parts material	304 stainlesssteel, EPDM, HDPE, PP, VMQ	
	Inlet/outlet port size	G1/2	
	Drain port size	Rc1	
Facility water system	Temperature range	5.0°C-40.0°C	
	Pressure range	0.3MPa-0.5MPa	
	Required flow rate 6	12L/min	
	Fluid contact material	304 stainlesssteel , copper	
	Port size	G3/8	
Electrical system	Power supply 7	Single-phase AC220V±10% , 50Hz	
	Rated current 8	5.57A	
	Rated power 8	1.2kw	
	Breaker	15A	
Overall dimensions (width * depth * height)		380mm*504mm*580mm	
Weight		47kg	
Noise 9		63dB(A)	
Special requirements		/	

1 No condensation should be present ;

2 ① Ambient temperature: 25°C, ② Circulating fluid temperature: 20°C, ③ Circulating fluid at the rated flow, ④ Circulating fluid: Tap water, ⑤ Facility water temperature: 25°C/32°C;

3 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 ;

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

5 The required minimum flow rate for maintaining the cooling capacity or temperature stability;

The specification of the cooling capacity and the temperature stability may not be satisfied if the flow rate is lower than the rated flow. (In such a case, use a bypass piping set);

6 The required flow rate when the cooling capacity load is applied at a circulating fluid temperature of 20°C, and circulating fluid rated flow and facility water temperature of 25°C;

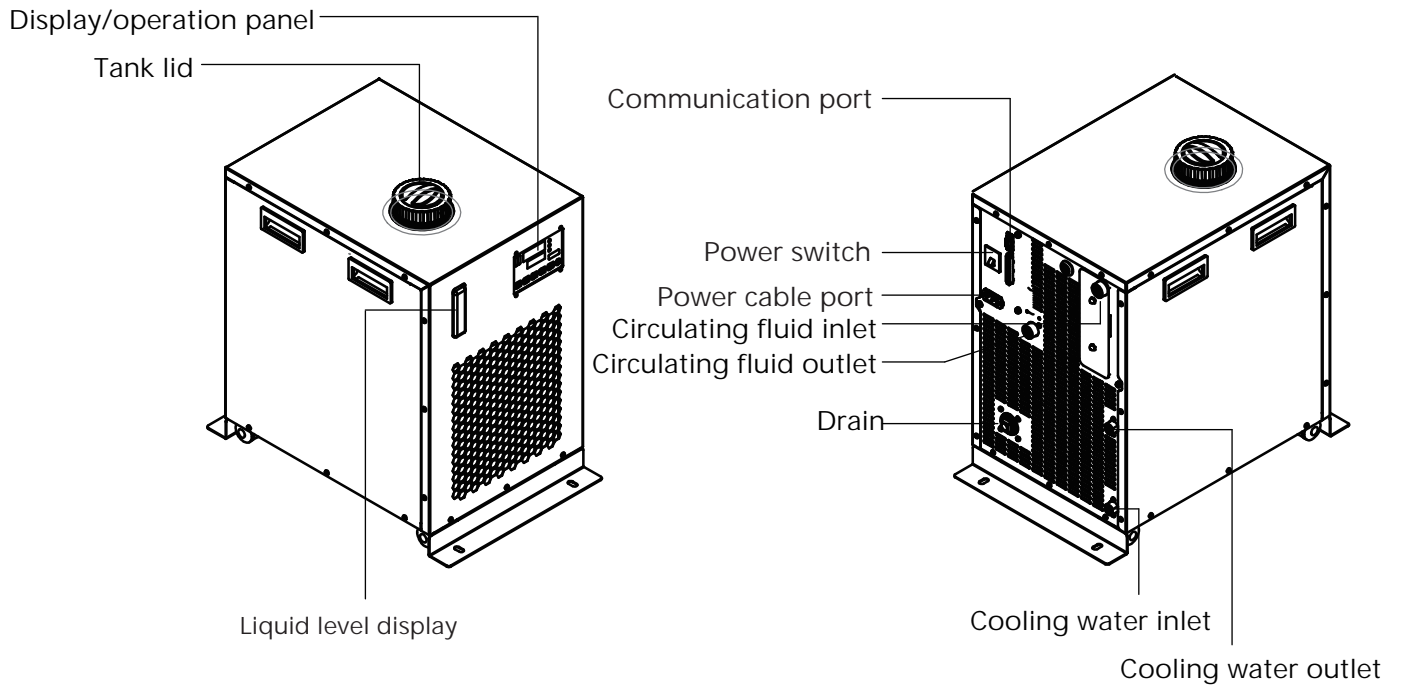
7 No continuous voltage fluctuation ;

8 Ambient temperature: 25°C, ② Circulating fluid temperature: 20°C, ③ Circulating fluid at the rated flow, ④ Circulating fluid: Tap water, ⑤ Facility water temperature: 25°C;

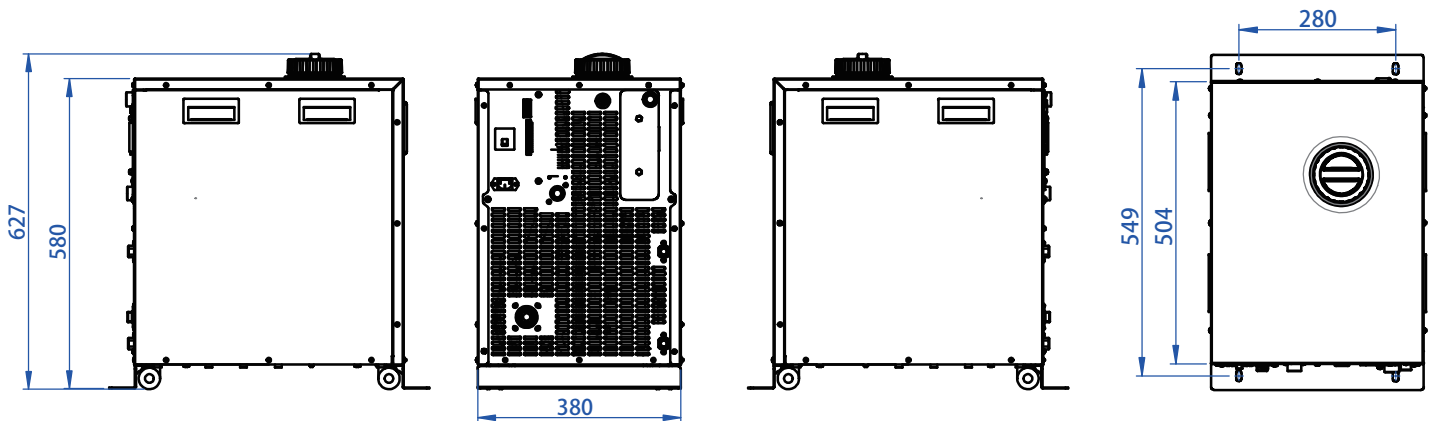
9 Front 1m, height 1m, stable without load.

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Parts introduction

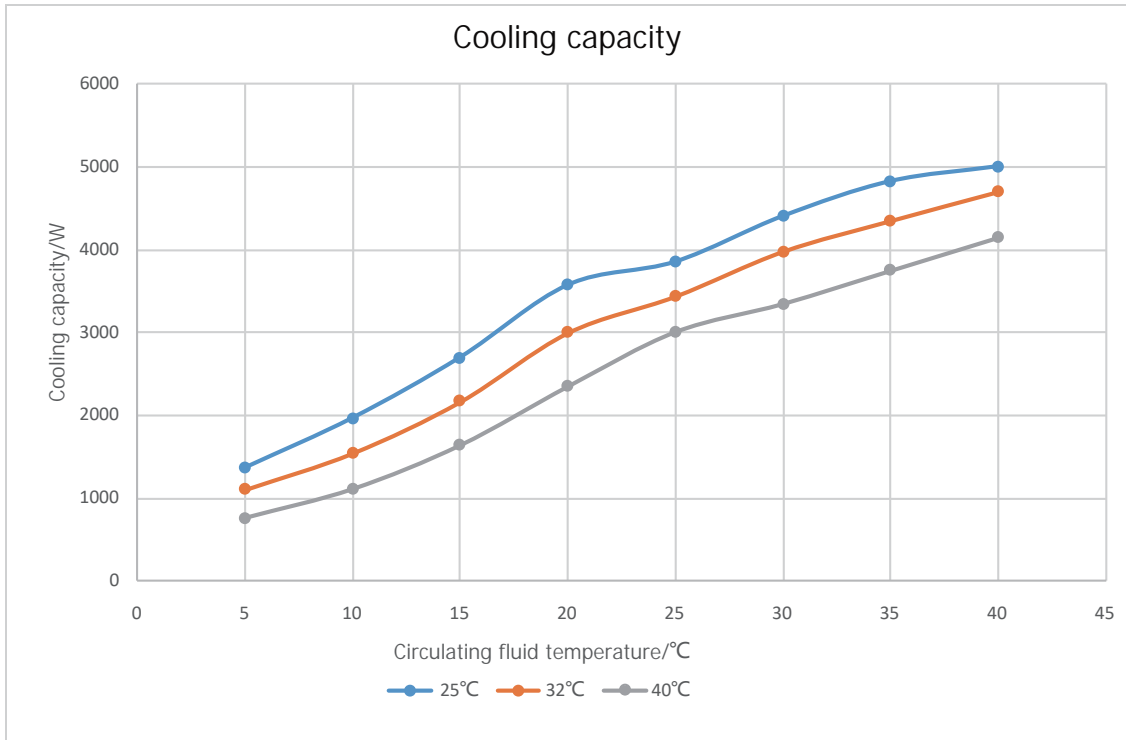


Dimensions

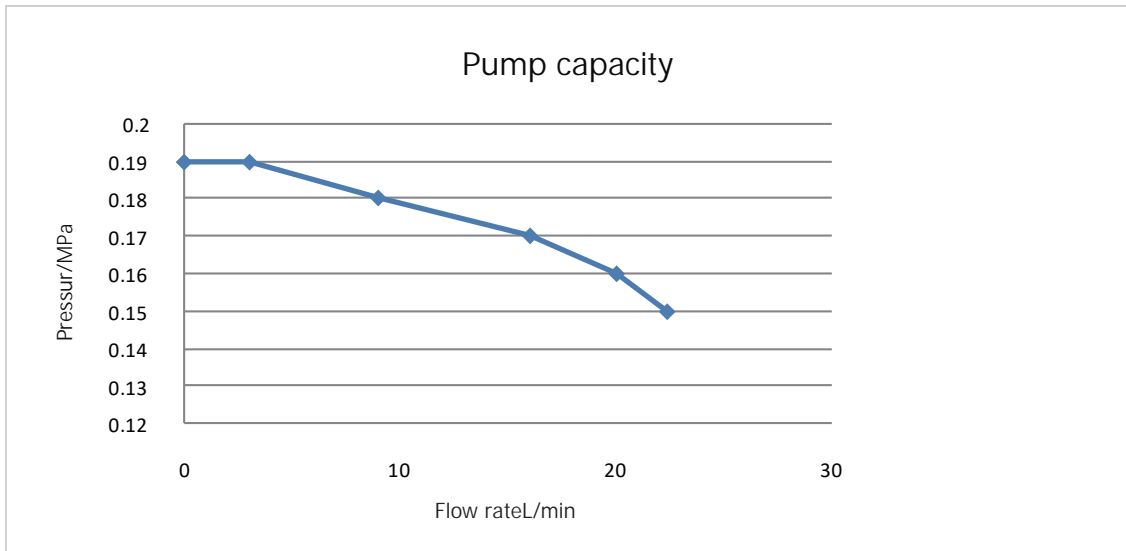


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Performance curve



Cooling performance



Pump performance