

# FCCA15211-1101



Model		FCCA15211-1101	
Cooling method		Vapor compression refrigeration	
Radiating method		Water-cooled	
Control method		PID	
Ambient temperature/humidity 1		5~40°C , 30 ~ 70%RH	
Operating temperature range 1		5.0°C-40.0°C	
Performance	Cooling capacity 2	Ambient temperature 25°C Circulating fluid temperature 20°C	1.7kw
		Ambient temperature 32°C Circulating fluid temperature 20°C	1.25kw
	Heating capacity	Circulating fluid temperature 20°C	0.37kw
	Temperature stability 3		±0.1°C
	Refrigerant		R410a
	Quantity of refrigerant		0.45kg
Main components	Compressor	Type	Rotary
		Power	0.57kw
	Condensor	Type	Micro-channel
		Material	Aluminum
	Throttling device		Electronic expansion valve
	Evaporator	Type	Plate heat exchanger
		Material	SUS316
	Water tank volume		7.5L
	Fan	Type	AC axial fan
		Power	0.05kw
		Air flow	700m³/h
	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 glycol solution
	Wetted parts material		304 stainlesssteel, EPDM, HDPE, PP, VMO
	Inlet/outlet port size		G1/2
	Drain port size		Rc1
Electrical system	Power supply 6		Single-phase AC220V±10% , 50Hz
	Rated current 7		3.9A
	Rated power 7		0.83kw
	Breaker		10A
Overall dimensions (width * depth * height)		380mm*654mm*580mm	
Weight		49kg	
Noise 8		67dB(A)	
Special requirements		/	

1 No condensation should be present;

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

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;

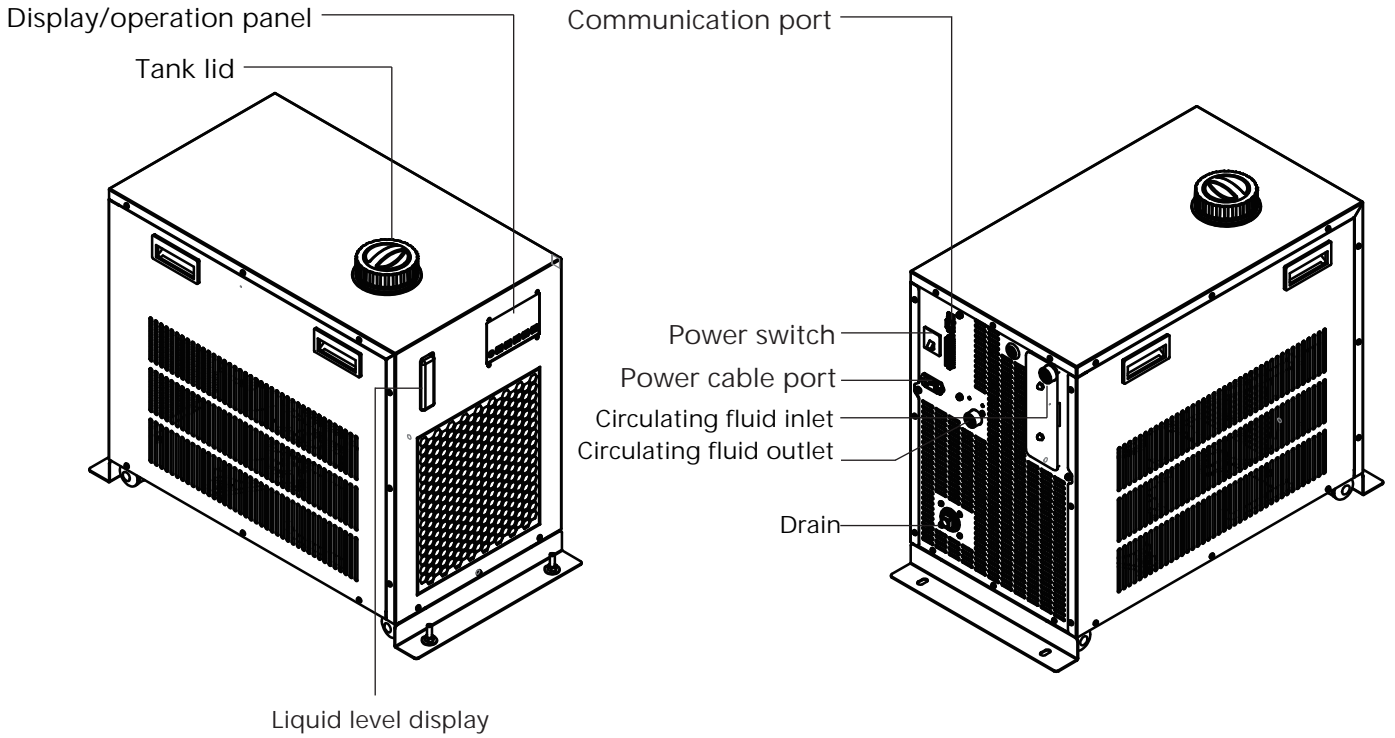
The specification of the cooling capacity and the temperature stability may not be satisfied if the flow rate is lower than the rated flow. (In such a case, use a bypass piping set);

6 No continuous voltage fluctuation;

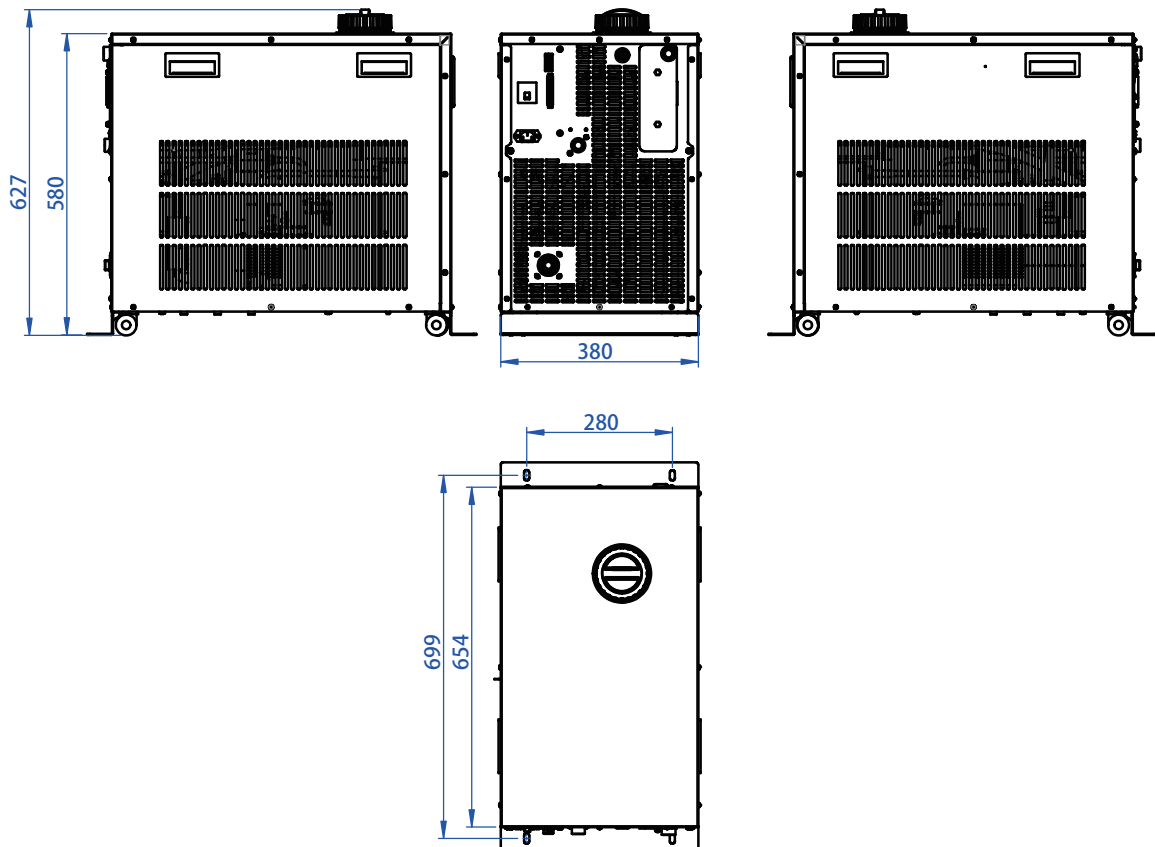
7 ① Ambient temperature: 25°C, ② Circulating fluid at the rated flow, ③ Circulating fluid: Tap water, ④ Circulating fluid temperature: 20°C;

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

Parts introduction

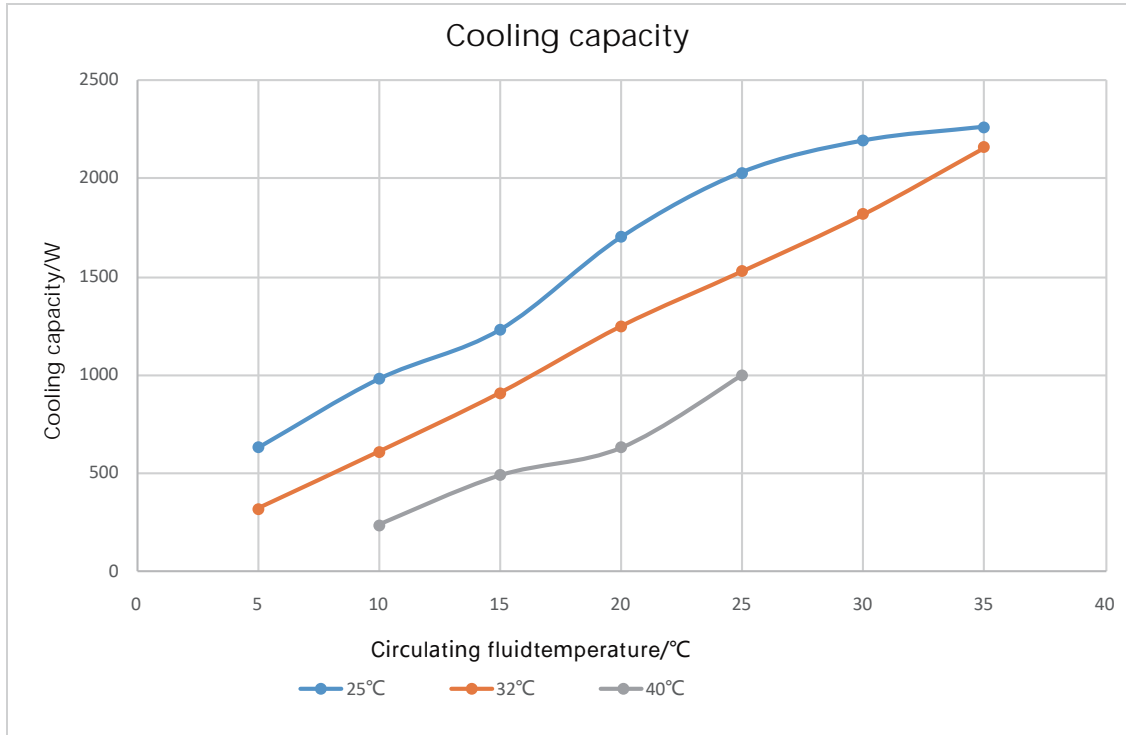


Dimensions

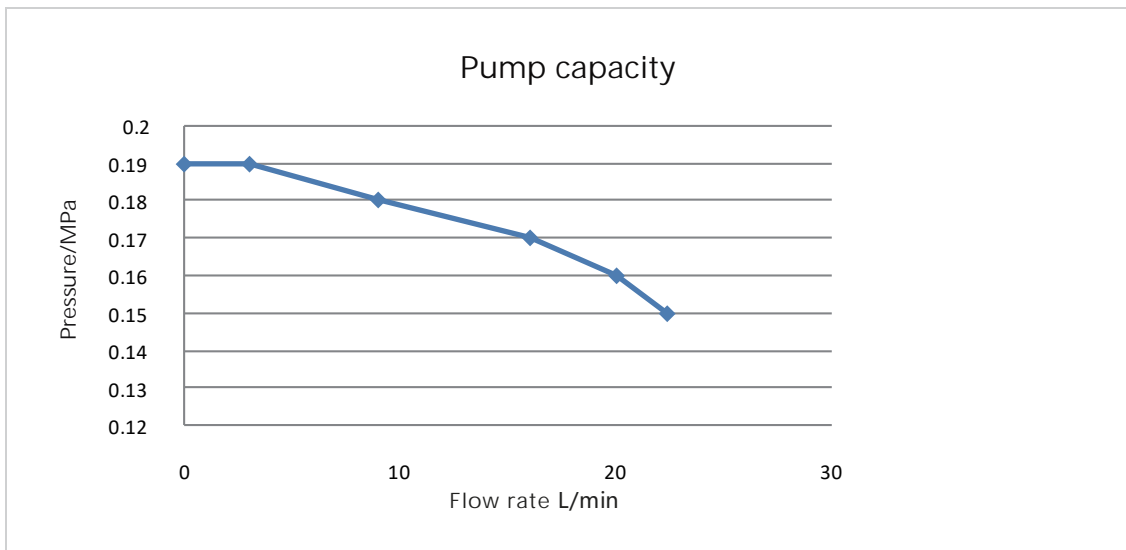


# FCCA15211-1101

## Performance curve



## Cooling performance



## Pump performance