

# FCCWD041-7402



Model		FCCWD011-7402		
Channel		CH1	CH2	
Cooling method		Vapor compression refrigeration		
Radiating method		Water-cooled		
Control method		PID		
Ambient temperature/humidity		5°C-40°C, 35-70%RH		
Temperature range		-20°C~+80°C		
Performance	Cooling capacity ※1	Ambient temperature 25°C, Set temperature-10°C	4kw	4kw
	Heating capacity		3kw	3kw
	Refrigerant		R410a	
	Temperature stability ※2		±0.1°C	
Main components	Compressor	Type	Rotary type	
		Power	3kw	3kw
	Condenser	Type	Plate heat exchanger	
		Material	SUS316	
	Water tank volume		Electronic expansion valve	
	Evaporator	Type	Plate heat exchanger	
		Material	SUS316	
	Water tank volume		14L	
Pump	Type	Magnetic drive pump		
	Power	1.5±10% kw	1.5±10% kw	
	Flow rate(outlet) ※3	25L/min	25L/min	
	Lift(outlet)	50m	50m	
Circulating fluid system	Type	Electronic fluorinated solution/15% ethylene glycol liquid		
	Wetted parts material		SUS304	
	Inlet/outlet port size		G3/4" female thread	
	Drain port size		G1/2" female thread	
Facility water system	Temperature range		5.0°C-25°C	
	Pressure range		0.3MPa-0.7MPa	
	Required flow rate		25L/min	
	Fluid contact material		SUS304	
	Port size		G3/4" female thread	
Electrical system	Power supply ※4		208VAC±10% 50Hz 3-phase	
	Rated current ※5		56A	
	Rated power ※5		16kw	
	Breaker		63A	
Overall dimensions ※6		W:515*D:920.5*H:1651mm		
Weight		300kg		
Noise ※7		64dB		
Special requirements		/		

1 Ambient temperature: 25°C, Circulating fluid temperature: -10/20°C, Circulating fluid at the rated flow, Circulating fluid: Electronic fluorinated solution 3M 3283, Facility water temperature: 25°C;

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 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;

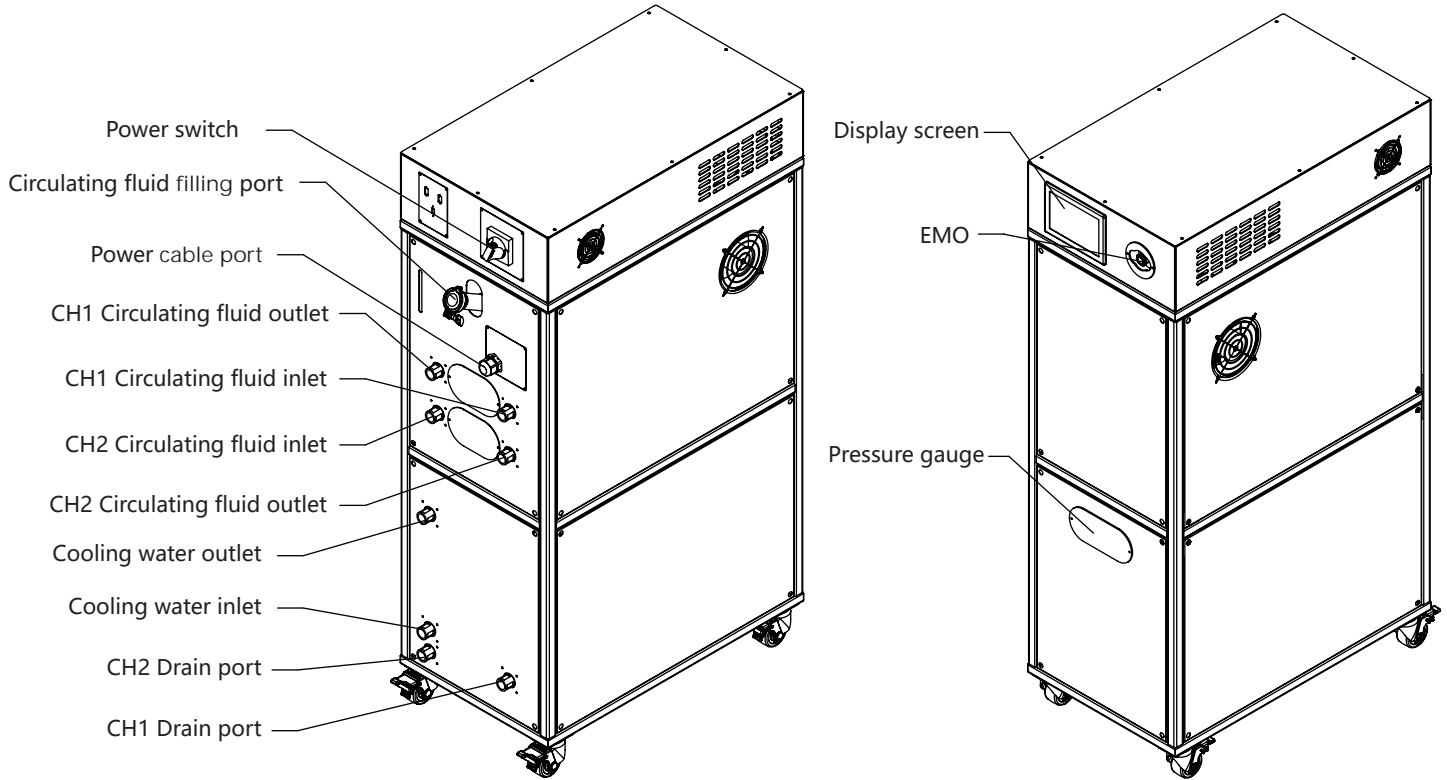
4 No continuous voltage fluctuation ;

5 Ambient temperature: 25°C, Circulating fluid temperature: 20°C;

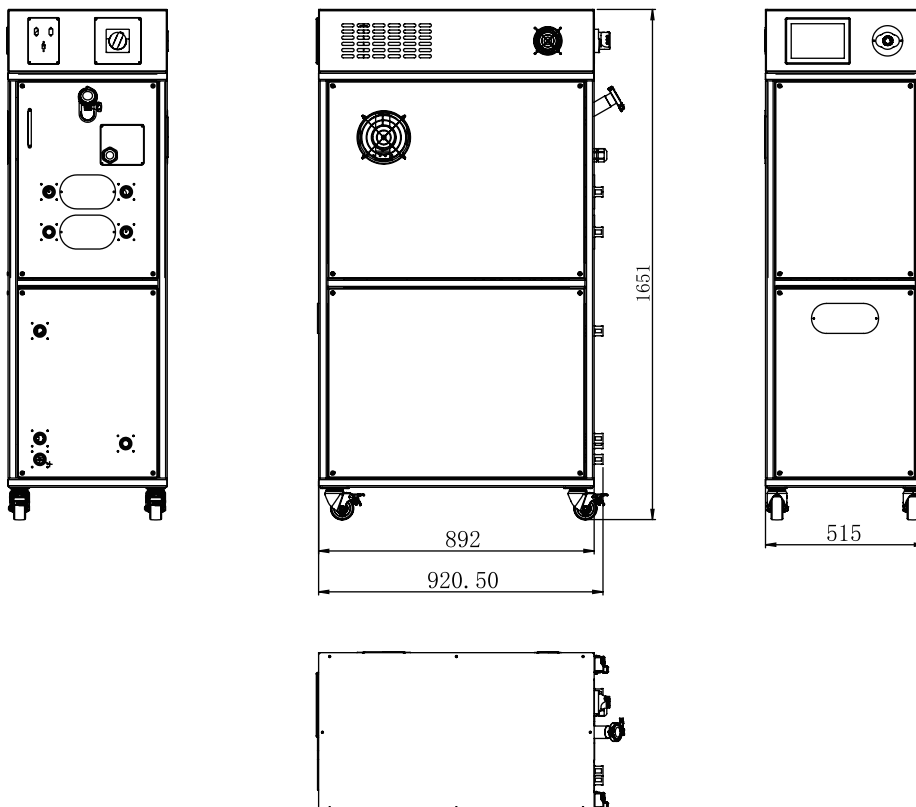
6 Excluding protruding joint size;

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

**Parts introduction**

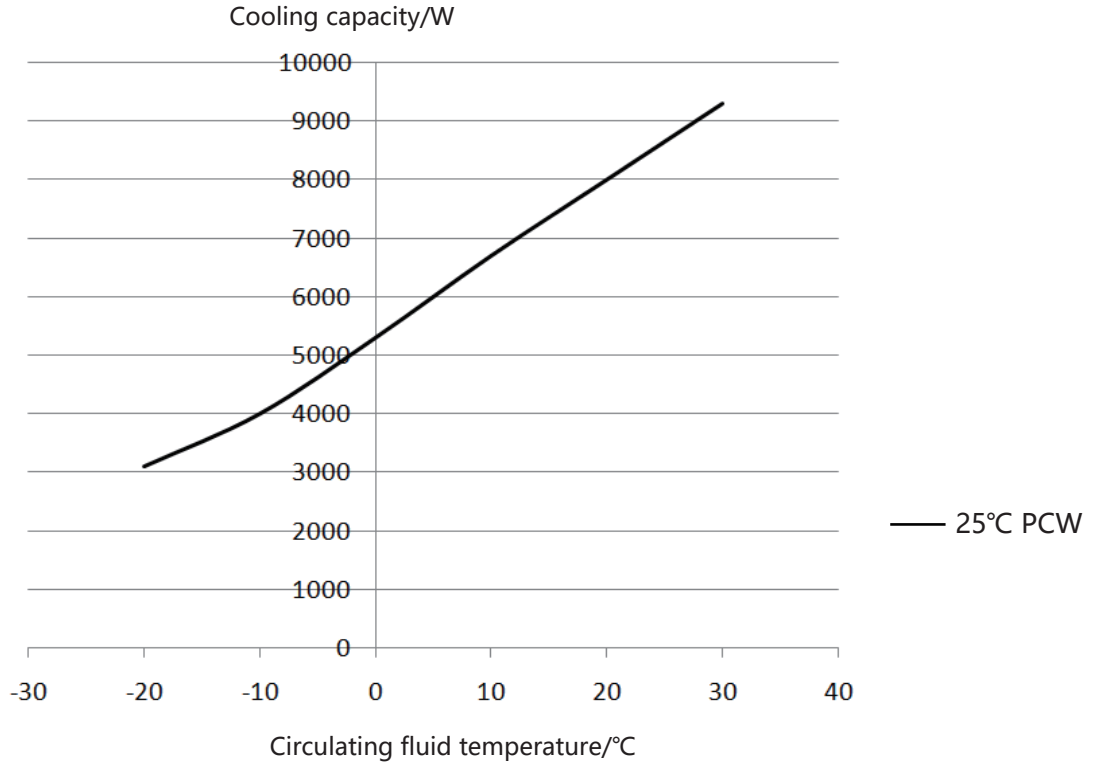


**Dimensions**



**Performance curve**

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Cooling performance

