

FCCWS081-7402



	Model	FCCWS081-7402	
	Cooling method	Vapor compression refrigeration	
	Radiating method	Water-cooled	
	Control method	PID	
	Ambient temperature/humidity	10 ~ 35°C , 30 ~ 70%RH	
	Refrigerant	R134a/R23/R14	
Performance	Cooling capacity ※1	7.0kW @ - 70°C	
	Heating capacity	8000W	
	Temperature stability ※2	±0.1°C	
Main components	Compressor	Type	Scroll type
		Power	11kw
	Condenser	Type	Plate heat exchanger
		Material	SUS316
	Throttling device		Electronic expansion valve/capillary
	Evaporator	Type	Plate heat exchanger
		Material	SUS316
	Water tank volume		40L
	Pump	Type	Magnetic drive pump
Power		3kw	
Flow rate (outlet) ※3		70L/min	
Lift (outlet)		90m	
Circulating fluid system	Type	Novec7200 Fluorinated fluid	
	Wetted parts material	SUS304	
	Inlet/outlet port size	Rc1	
	Drain port size	Rc1/2	
Facility water system	Temperature range	≤25.0°C	
	Pressure range	/	
	Required flow rate	≥25.0L/min	
	Fluid contact material	SUS304,PTFE	
	Port size	Rc1	
Electrical system	Power supply ※4	3-phase, AC200~220V, 50Hz/60HZ	
	Rated current ※5	72A	
	Rated power ※5	27kw	
	Breaker	100A	
Overall dimensions		700mm*1000mm*1900mm	
Weight		750kg	
Noise ※6		75dB (A)	
Special requirements		/	

※1 ①Ambient temperature: 25°C; ② Circulating fluid temperature: -70°C ; ③Facility water temperature: 25°C, flow rate 25L/min; ④Circulating fluid : 7200 Fluorinated fluid;

※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;

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

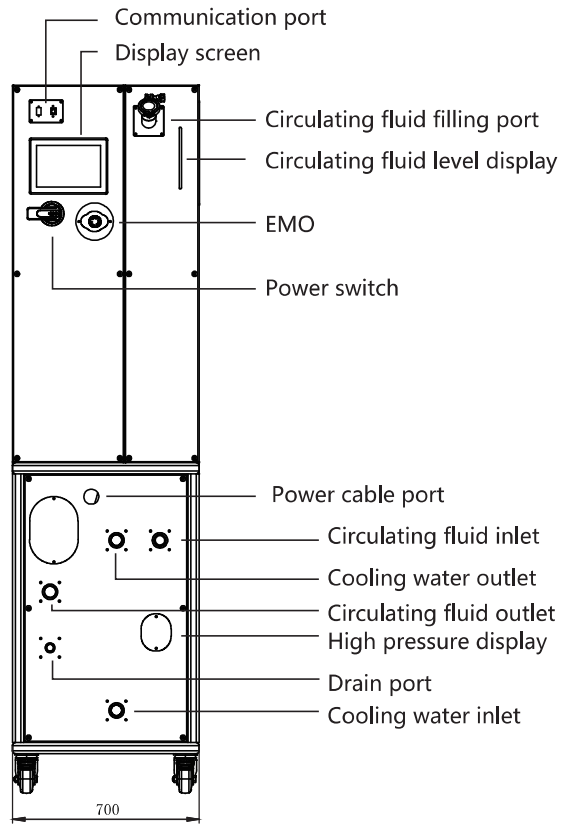
※4 No continuous voltage fluctuation;

※5 ①Ambient temperature: 25°C, ② Circulating fluid temperature: 20°C,③Under full power operation of the heater;

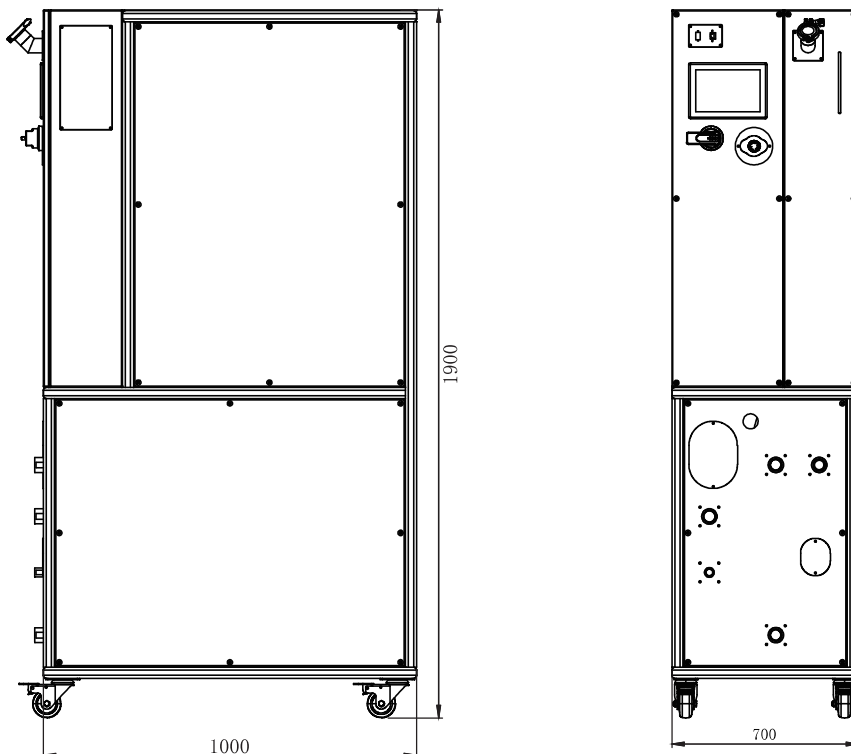
※6 Front 1m, height 1m, stable without load.

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Parts introduction

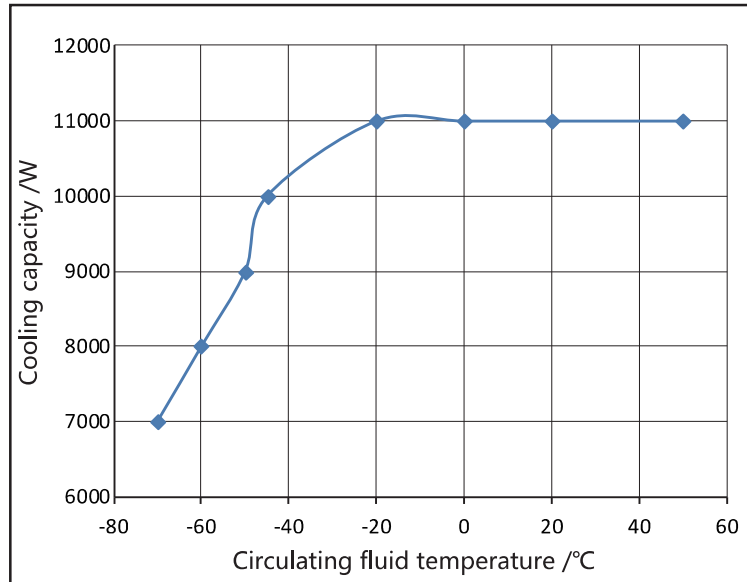


Dimensions

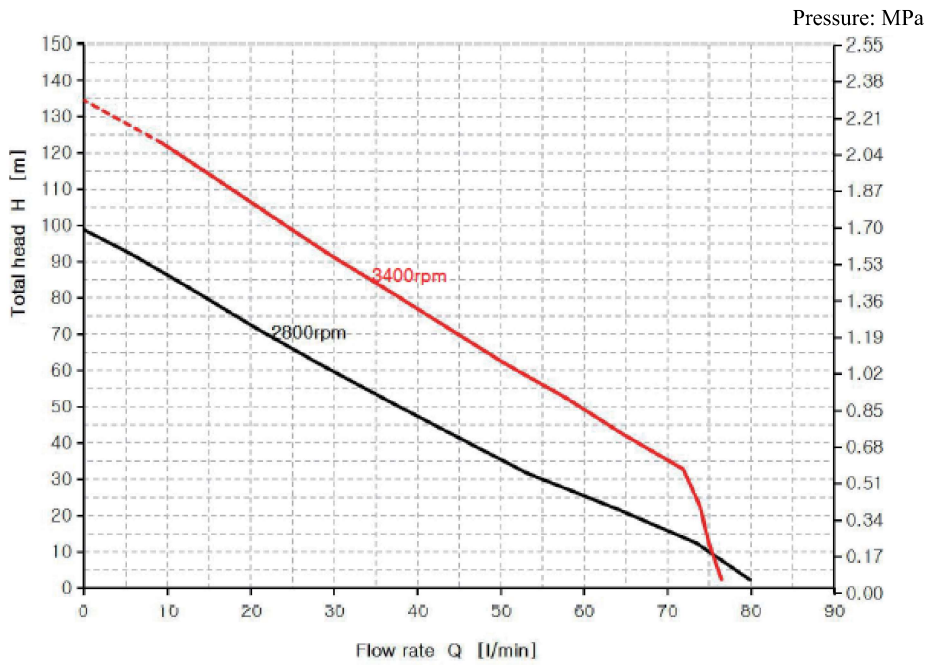


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Performance curve



Cooling capacity



Pump