FerroTec

FCCA20331-9601

Vapor compression refrigeration-Type Chiller

Model			FCCA20331-9601	
			CH1	CH2
Cooling method			Vapor compression refrigeration	
Radiating method			Air-cooled	
Control method			Cooling/Heating Automatic shift PID control	
Ambient temperature/humidity			5℃-45℃, 30-70%RH	
Refrigerant			R410A	
Quantity of Refrigerant			1.8kg	
Circulating fluid system	Circulating fluid		Clean water/Pure water	Clean water/Pure water
	Operating temperature range		5.0℃-35.0℃	10.0℃-40.0℃
	Cooling Power※ 1		≥19kW (20℃)	≥1kW (25℃)
	Heating Power※ 2		≈3kW (20℃)	≈1kW (25℃)
	Temperature stability※ 3		±0.1℃	±0.5℃
	Pump	Rated flow rate (Outlet)	45L/min (0.43MPa)	10L/min (0.45MPa)
		Maximum flow rate	120 L/min	16 L/min
		Maximum lift	50m	50m
	Settable pressure range※ 4		0.1 to 0.5 Mpa	
	Minimum necessary flow rate※ 5		20 L/min	2 L/min
	Tank capacity		Approx.42L	Approx.7L
	Port size	IN/OUT	Rc1	Rc1/2
		Tank drain port	Rc1	Rc1/2
	Wetted parts materail		CH1 : Stainless steel、Copper、PP、POM、PU、PVC 、EPDM、PC、NBR CH2:Stainless steel PP、POM、PU、PVC、EPDM、PC、NBR、 Ion exchange resin	
Electrical system	Power supply		3-phase 380 to 415VAC (50 /60 Hz) Allowable voltage range ±10%(No continuous voltage fluctuation) 3-phase 460 to 480VAC(60Hz) Allowable voltage range +4%,-10% (Max. voltage less than 500V and no continuous voltage fluctuation)	
	Overcurrent protection		40A	
	Rated current		15A(380V/60Hz)	

	Rated power consumption	10.5 kW(380V/60Hz)
	Communications	LAN、RS232、RS485
Size		954mm×715 mm×1538mm (WxDxH)
Weight		Approx. 370kg
Accessories		/

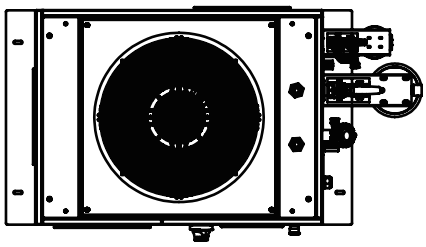
※1 ① Ambient temperature:32°C, ② Circulating fluid: Clean water, ③Circulating fluid temperature: CH1 20°C /CH2 25°C, ④ Circulating fluid flow rate: Rated flow rate, ⑤ Power supply: 380 VAC.

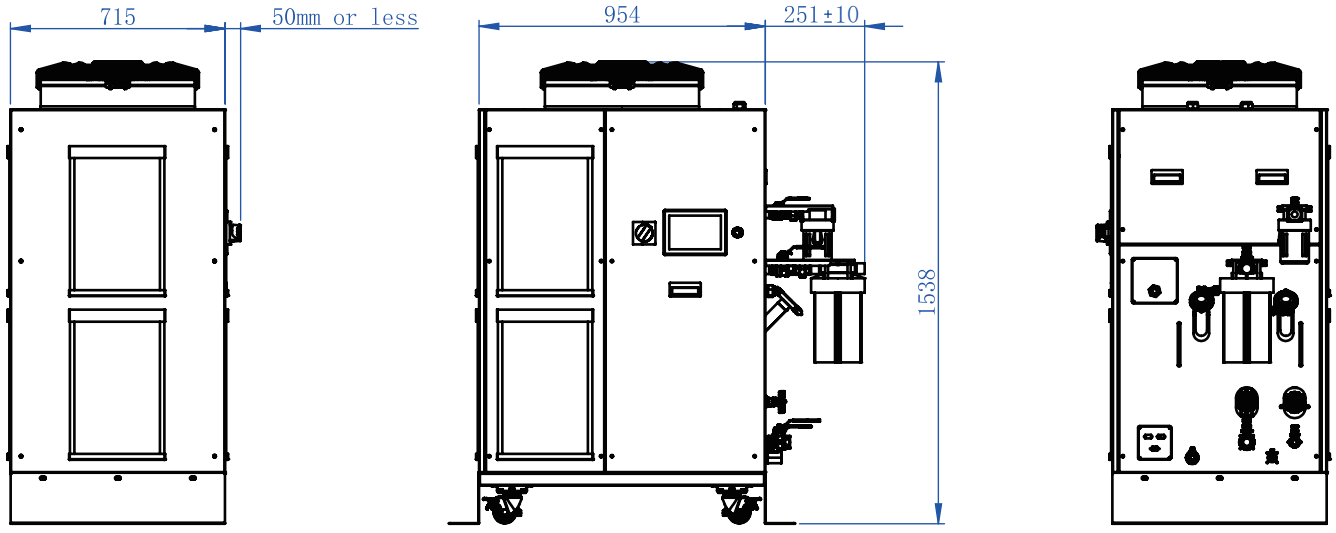
※2 ① Ambient temperature:32°C,② Circulating fluid: Clean water,③Circulating fluid flow rate: Rated flow rate,④ Power supply: 380 VAC.

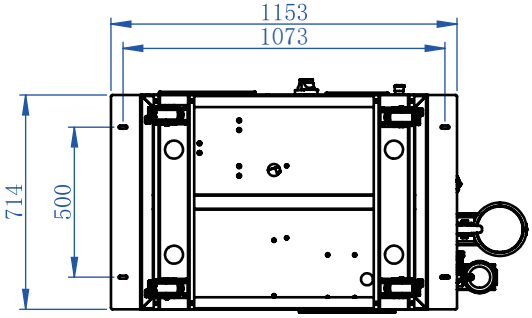
※3 ①Ambient temperature:32°C,②Circulating fluid: Clean water, ③Circulating fluid temperature: CH1 20°C /CH2 25°C, ④Load: Refer to the specified cooling capacity, ⑤ Circulating fluid flow rate: Rated flow rate, ⑥ Power supply: 380 VAC, ⑦Piping length: Minimum.

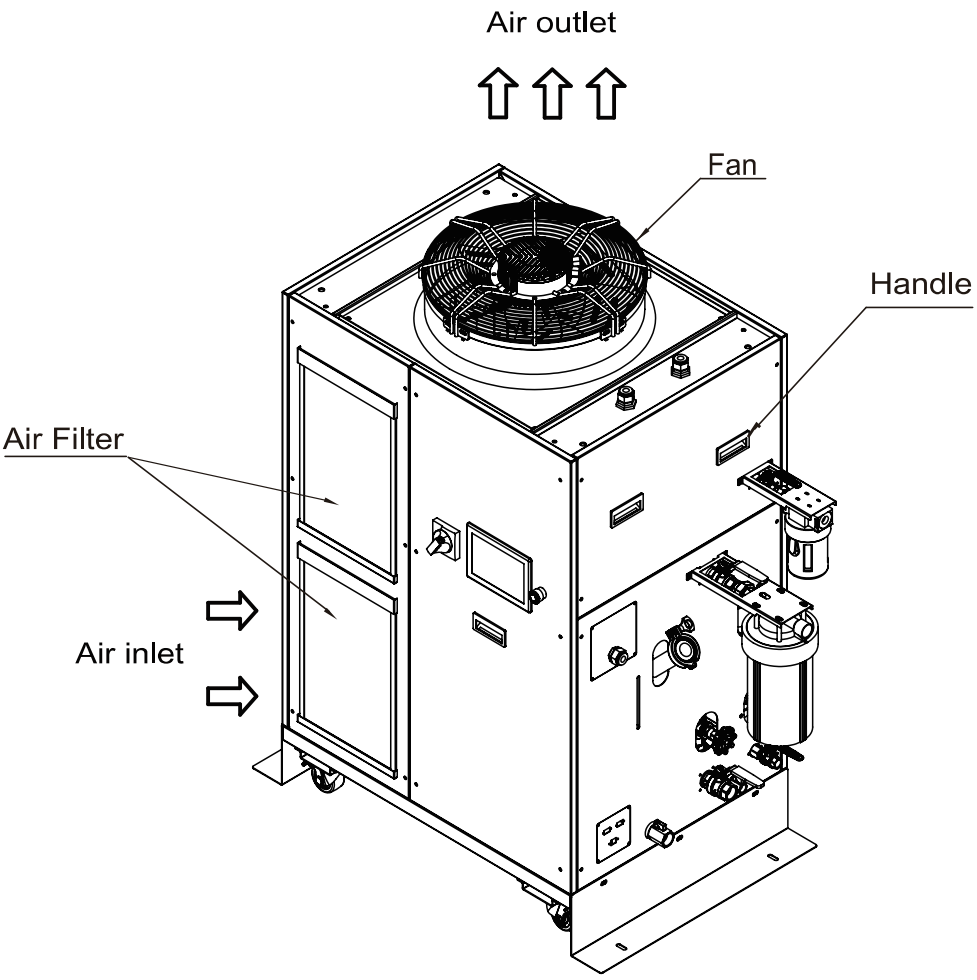
※4 With the pressure control mode that controls the pressure automatically with the inverter.If the pressure control mode is not necessary, use the flow control function or the pump output setting function.

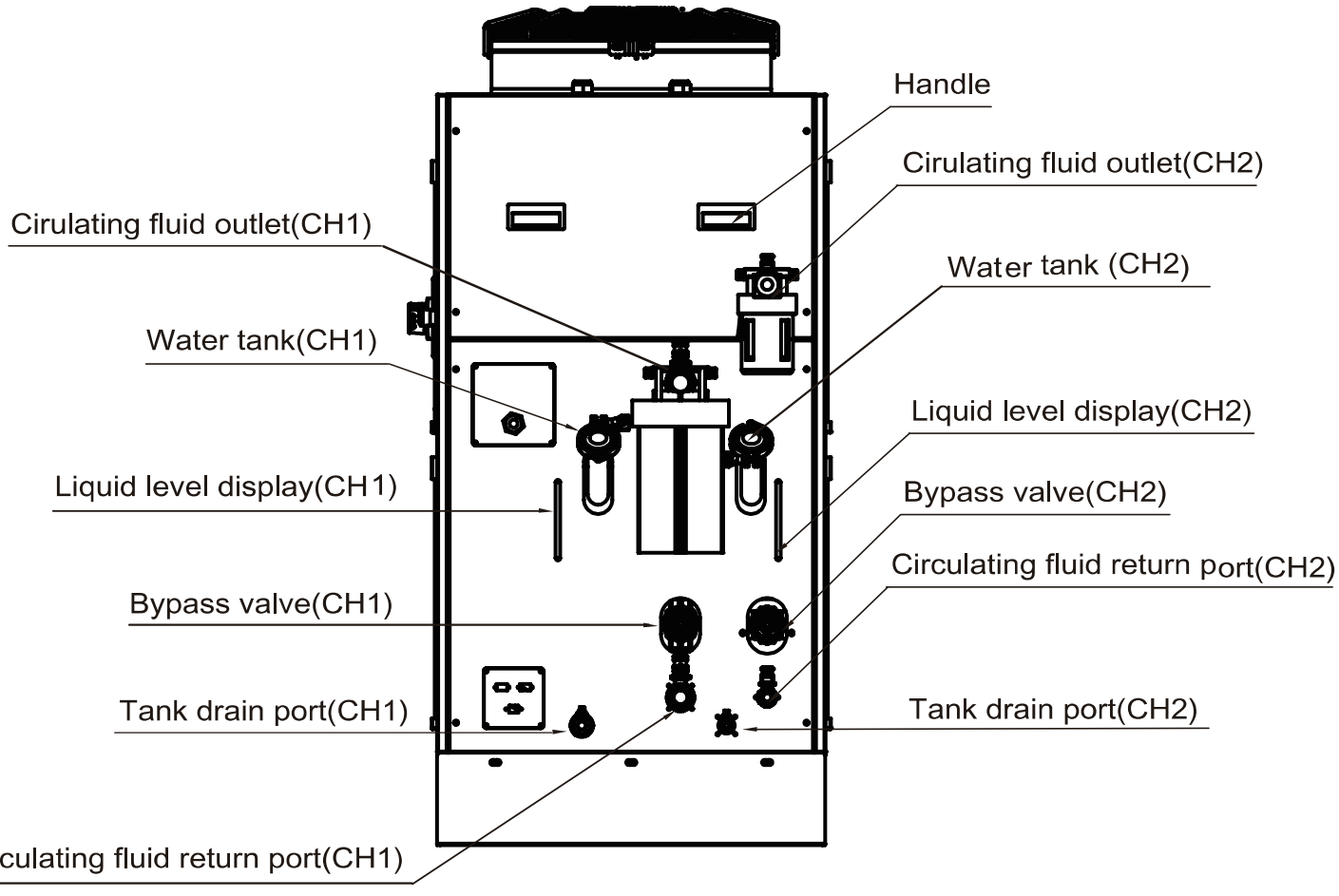
※5 Required flow rate to maintain the cooling capacity. When the flow rate is lower than the rated flow, use a by-pass piping set.








Air outlet
Fan
Handle
Air Filter
Air inlet


Handle
Cirulating fluid outlet(CH2)
Cirulating fluid outlet(CH1)
Water tank (CH2)
Water tank(CH1)
Liquid level display(CH2)
Liquid level display(CH1)
Bypass valve(CH2)
Circulating fluid return port(CH2)
Bypass valve(CH1)
Tank drain port(CH1)
Tank drain port(CH2)
Circulating fluid return port(CH1)