

## WFC-SC50

### Specifications:

Water Fired Chiller absorption type with H<sub>2</sub>O/LiBr

System functionality provides cooling

Utilizing Hot Water



ITEM		MODEL		WFC-SC50
Cooling Capacity		kW		175.8
Heating Capacity		kW		-
Chilled Water and Hot Water	Chilled Water Temperature	Inlet	°C	12.5
		Outlet	°C	7.0
	Hot Water Temperature	Inlet	°C	-
		Outlet	°C	-
	Evaporator Pressure Loss(Max)		kPa	40.2
	Max Operating Pressure		kPa	588
	Rated Water Flow		L/sec	7.64
			m <sup>3</sup> /hr	27.5
Water Retention Volume		L	120	
Cooling Water	Heat Rejection		kW	427.0
	Cooling Water Temperature	Inlet	°C	31.0
		Outlet	°C	35.0
	Abs.&Cond.Pressure Loss(Max)		kPa	41.2
	Max Operating Pressure		kPa	588
	Rated Water Flow		L/sec	25.5
			m <sup>3</sup> /hr	91.8
Water Retention Volume		L	335	
Heat Medium	Heat Input		kW	251
	Heat Medium Temperature	Inlet	°C	88
		Outlet	°C	83
		Inlet Limit	°C	70 - 95
	Generator. Pressure Loss(Max)		kPa	85.2
	Max Operating Pressure		kPa	588
	Rated Water Flow		L/sec	12.0
m <sup>3</sup> /hr			43.2	
Water Retention Volume		L	170	
Electrical	Power Source		400V 50Hz 3ph.	
	Consumption *1		W	590
Control				On—Off
Dimension	Width	mm		1,785
	Depth *2	mm		1,960 (2,060)
	Height *3	mm		2,085 (2,223)
Piping	Chilled Water	A		80
	Cooling Water	A		80
	Heat Medium	A		80
Weight	Dry Weight	kg		2,100
	Operating Weight	kg		2,725

\*1.Power consumption of chiller only (excluding recirculation pumps and cooling tower fan)

\*2. Dimensions in ( ) include junction box.

\*3.Dimensions in ( ) include leveling bolt and eye bolt

- Specification are subject to change without prior notice.

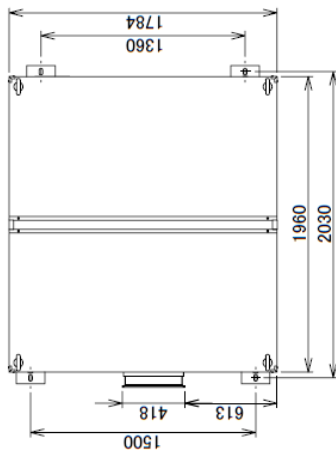
- The allowable flow rate ranges are: Chilled-hot water: 80 to 120% of nominal, Cooling water: 100 to 120% of nominal.

-The table shows standard operating condition ( i.e. 88 °C heat medium inlet temperature)

Item	Piping Connection	Remarks
Chilled Water Inlet	80A	Rc
Chilled Water Outlet	80A	Rc
Cooling Water Condenser Inlet	80A	Rc
Cooling Water Condenser Outlet	80A	Rc
Cooling Water Absorber Inlet	80A	Rc
Cooling Water Absorber Outlet	80A	Rc
Heat Medium Inlet	80A	Rc
Heat Medium Outlet	80A	Rc

Note)

1. Please secure minimum space for equipment maintenance; left / right 0.7m front / back 1.0m.
2. Wire inlets are on both left and right sides.
3. All dimensions are in mm.



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