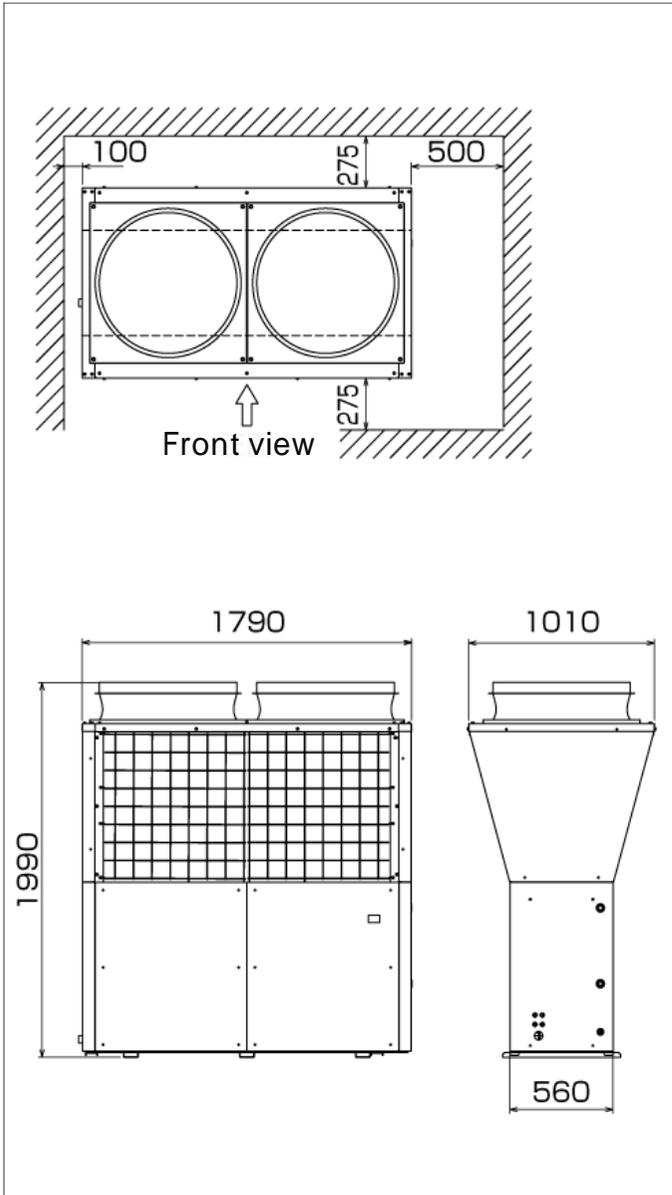


CO2 Heat pump water heater :::Eco-Cute::: (CHP-80Y2)

CHP-80Y2 Specification table (380V)



Model		CHP-80Y
Dimension		W 1,790mm×H 1,990mm×D 1,010mm
Weight		Basic mass : 680 kg / Operating mass : 700 kg
Installation		Outdoor
Power		3Φ 380V 50/60 Hz
Operating temp range	Ambient temperature	Standard : -5~43°C, Antifreeze : -15~43°C, Cold district : -20~43°C
	Supply water temperature	Std : 5°C~50°C, Circ heating·HP independent(High temp supply water): 5~63°C
	Output temperature	60~90°C
Output flow rate		150 L/min
Refrigerant design pressure		High pressure side 14.0 MPa/Low pressure side 7.5 MPa
Decompression valve (Customer prepare)		Standard tank : 170 kPa Others : Please consult
Pressure relief valve		Standard tank : 190 kPa Others : Please consult
Comp-ressor	Model	Semi-hermetic reciprocating compressor
	Electric motor type	Inverter drive, 3 Φ induction motor
	Rated output	15.8 kW
	Refrigerating capacity	9.6 ton/day
Crankcase heater		140W
Fan		Propeller fan 300W ×2 units
Pump		Seal-less DC282V-140W (Pressure resistance 490 kPa)
Heat ex-changer	Air	Forced air-cooling cross fin
	Output hot water	Forced circulation double-tube
Protection devices		High pressure switch, High/Low pressure sensor, Compressor decompression valve, Overcurrent relay(fan) , Overcurrent protection(compressor)
Refrigerant/filling amount		CO ₂ (R744) / 11.3 kg
Performance		Heating ability : 65 kW
Piping connec-tion	SW·HW·Air HEX (room drain)	Rc 1 (25A) female screw
	Drain	Rc 3/4 (20A) female screw
Accessories		Remote control
Paint color		Ivory white (Japan reg. 2.5Y 8/1)
seismic strengthening		1.5 G
Sound level		60dB (regula season) /61dB (winter season)

CHP-80Y2 Performance table (380V)

Ambient temperature DB/WB		°C	7/6	16/12	25/21	2/1	-7/-8	
65°C Supply hot water mode	Heating ability	kW	61.1	65.6	66.4	54.8	50.1	
	Storage capacity	L/h	938	1,175	1,392	785	718	
	Supply water → Hot water	°C	9 → 65	17 → 65	24 → 65	5 → 65	5 → 65	
	Power consumption	kW	16.1	16.1	14.9	18.5	18.8	
	Annual heating efficiency		3.9					
	Annual heating efficiency in cold district		3.4					

Ambient temperature DB/WB		°C	7/6	16/12	25/21	2/1	-7/-8
90°C Supply hot water mode	Heating ability	kW	58.9	63.9	62.7	52.7	53.9
	Storage capacity	L/h	625	752	817	533	545
	Supply water → Hot water	°C	9 → 90	17 → 90	24 → 90	5 → 90	5 → 90
	Power consumption	kW	18.3	19.3	17.8	20.9	21.1