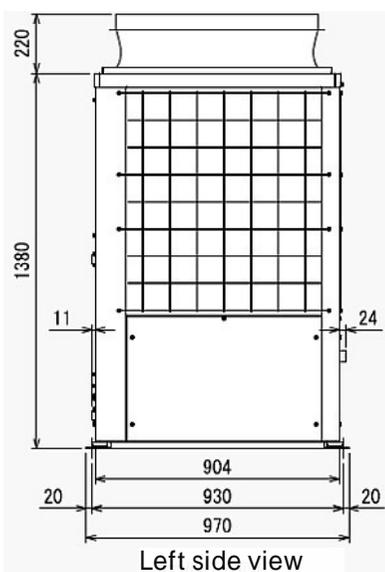
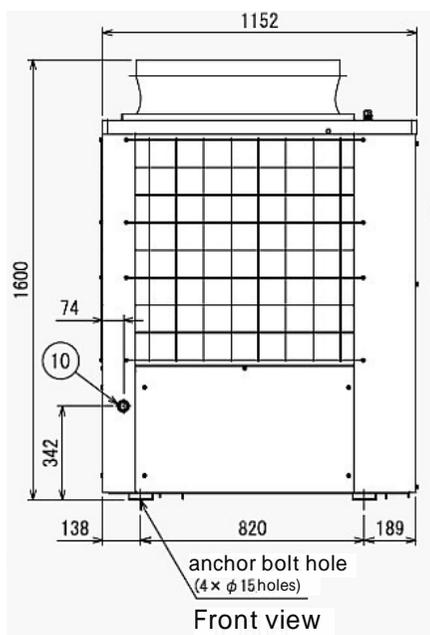


# CO2 Heat pump water heater :::Eco-Cute::: (CHP-35H)

## CHP-35H Specification table (380V)



Model		CHP-35H
Dimension		W 1,618mm×H 1,152mm×D 910mm
Weight		Basic mass : 530 kg / Operating mass : 535 kg
Installation		Outdoor
Power		3Φ380V 50/60Hz
Operating temp range	Ambient temperature	Standard : -5~43°C, Antifreeze : -15~43°C, Cold district : -20~43°C
	Supply water temperature	Standard : 5°C~50°C, Circ heating·HP independent(High temp supply water):5~63°C
	Output temperature	60~90°C
Output flow rate		70L/min
Refrigerant design pressure		High pressure side 14.0MPa/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
Compressor	Model	Semi-hermetic reciprocating compressor
	Electric motor type	Inverter drive, 3 Φ induction motor
	Rated output	11.2 kW
	Refrigerating capacity	7.4 ton/day
Crankcase heater		140 W
Fan		Propeller fan 300W ×2 units
Pump		Seal-less DC282V-140W (Pressure resistance 490 kPa)
Heat exchanger	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, Compressor motor excessive temperature protection, Overcurrent relay(fan) , Overcurrent protection(compressor)
Refrigerant/filling amount		CO <sub>2</sub> (R744) / 7.0 kg
Performance		Heating ability : 65 kW
Piping connection	SW·Hw·Drain	Rc 3/4 (20A) female screw
	Air HEX Room drain	Rc 1 (25A) female screw
Accessories		Remote control
Paint color		Ivory white (Japan reg. 2.5Y 8/1)
Seismic strengthening		1.5 G
Sound level		66.7 dB (regular season) /68.7dB (winter season)

## CHP-35H Performance table (380V)

Ambient temperature DB/WB		°C	7/6	16/12	25/21	2/1	-7/-8
65°C Supply hot water	Heating ability	kW	36.5	35.5	35.0	31.5	30.0
	Storage capacity	L/h	560	636	765	451	430
	Supply water → Hot water	°C	9 → 65	17 → 65	24 → 65	5 → 65	5 → 65
	Power consumption	kW	9.67	8.95	8.13	12.3	13.0
	Annual heating efficiency	3.7					
	Annual heating efficiency in cold district	3.1					

Ambient temperature DB/WB		°C	7/6	16/12	25/21	2/1	-7/-8
90°C Supply hot water mode	Heating ability	kW	35.5	35.5	36.5	31.5	30.5
	Storage capacity	L/h	376	418	475	318	308
	Supply water → Hot water	°C	9 → 90	17 → 90	24 → 90	5 → 90	5 → 90
	Power consumption	kW	11.3	11.0	10.4	13.8	15.1