



HeatPower Series

High Temperature Water Heater

- 5-Star Hotel
- Hospitals
- Food Processing Industry
- Printing
- Textile
- Drinks Distillation Process
- Rinse Factory
- Electroplating Industry

Specifications



Model (Galvanize)/(Stainless)		PTH-CP019BR	PTH-CP035BR	PTH-CP070BR	PTH-CP1350BR
Hot Water Capacity (A20/15°C, W15-65°C)	kW	19.0	35.0	70.0	135.0
Power Input	kW	5.3	9.2	19.0	38.6
COP	W/W	3.58	3.68	3.68	3.50
Hot Water Volume	L/h	326	602	1204	2321
Max. Power Input	kW	7.5	18.1	36.2	64.4
Max. Running Current	A	14.3	32.3	64.6	108.5
Power Supply	V/Ph/Hz	380~415V/3N~/50Hz			
Compressor Quantity	/	1	1	2	4
Compressor Type	/	Scroll			
Compressor Brand	/	Copeland Non-EVI			
Fan Quantity	/	2	1	2	2
Circulation Water Pump	/	Grundfos CM 3-3	Grundfos CM 5-3	Grundfos CM 10-2	/
Fan Motor Input	W	200×2	750	750×2	1800×2
Water Flow Volume	m³/h	3.3	6.0	12.0	23.2
Water Pressure Drop	kPa	25	38	42	45
Water Connection	/	1.2 inch	DN40 Flange	DN65 Flange	DN80 Flange
Noise	dB(A)	58	65	68	70
Air Volume	m³/h	5000×2	12000×1	14000×2	23000×2
Air Discharge Type	/	Horizontal	Vertical		
Max. Outlet Water Temp.	°C	80			
Operation Range	°C	-7~45			
Condenser	/	Tube in Shell Heat Exchanger			
Evaporator	/	High Efficiency Aluminum Finned Heat Exchange			
Defrosting	/	by 4-Way Valve			
Controller	/	Controller			
Display	/	5 inch Smart Central Display			
Refrigerant	/	R134a			
Cabinet	/	Eco-friendly Galvanized Metal /Stainless Steel for Option			
Net Weight	kg	219	468	600	1050
Gross Weight	kg	238	512	643	1100
Net Dimensions(L/W/H)	mm	1175×400×1605	1195×980×1900	1930×1050×1980	2350×1150×2370
Shipping Dimensions(L/W/H)	mm	1205×450×1730	1220×1020×1950	1980×1100×2050	2400×1300×2500

Test Condition: ambient temperature 20° C/15° C, water circulation from 15° C to 65° C.
The data above is for reference only. For more specific data, please refer to the nameplate on the unit.



HeatPower



Low Operating Cost

The operating cost is very low compared with conventional heat source, such as electricity, coal, gas and diesel.



Environmental Friendly

Adopting R134a refrigerant of lower GWP, the air pollution emission is zero, which is very environmental-friendly compared with coal.



80° C Hot Water Outlet

With stable high temperature hot water supply, the unit can be widely used in different industrial applications



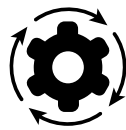
Communication Function

With Modbus RS485/BMS, central management control and DTU remote control, multiple units can be managed together.



Multiple-Protections

The multiple protective design ensure the unit's long service life and stable operation.



Wide Operation Range

With advanced 4-way-valve applied in the unit, the unit can be used in environment from -7° C to 45° C.

