# HIGH TEMPERATURE HOT WATER HEAT PUMP

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Indoor installation
Capacity from 9.2 to 58.2 kW

## Characteristics

High temperature refrigerant provides 85°C hot water and ensure long term stable operation.
Environment-friendly, high efficient and safe mixed refrigerant
Raising water from 25~45°C to 70~85°C

## Available configurations

GHP 10 HT 1
(1) (2)

(1) Version:
HT High temperature outlet water 75°C
HS Super high temperature outlet water 85°C

(2) Power Supply:
1 220/1/50
2 380/3/50
3 230/1/60
4 460/3/60
5 220/3/60
6 Other power supply

## Applications

Semiconductor processing, solar battery processing, food processing, and other applications require high temperature water.

## Functions and features

## Optional

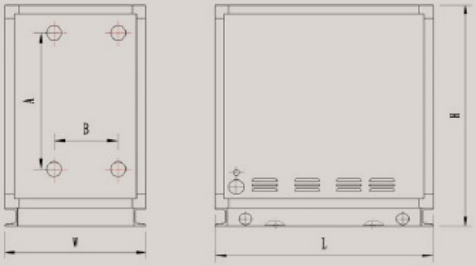
Super high temperature outlet water 85°C
Anti-corrosive heat exchanger
Rubber anti-vibration mounts
Spring anti-vibration mounts
Remote micro-processor control
Customlized adaptor protccol

## Technical data

| Model | | Size | 10 | 12 | 14 | 16 | 18 | 24 | 30 | 36 | 45 | 60 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heating capacity | | KW | 9.2 | 12.0 | 13.4 | 16.2 | 18.1 | 23.4 | 29.1 | 36.3 | 46.9 | 58.2 |
| Compressor | Type | | Scroll | | | | | | | | | |
| | Nr. | | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
| | Power input | KW | 2.5 | 3.5 | 3.9 | 4.6 | 5.2 | 6.8 | 8.3 | 10.4 | 13.3 | 16.6 |
| Power regulation stage | | % | | | 100 | | | | | 50-100 | | |
| Refrigerant | Type | | CD-1 | | | | | | | | | |
| | Weight | kg | 1.4 | 1.5 | 1.7 | 2.0 | 2.1 | 2.5 | 2.9 | 4.1 | 5.0 | 5.8 |
| Power supply | | | 380V/3P/50Hz | | | | | | | | | |
| Oil | Volume | L | 1.5 | 2.0 | 2.3 | 2.5 | 3.0 | 3.5 | 3.8 | 6.0 | 7.0 | 7.6 |
| User side | Water flow | m³/h | 1.6 | 1.9 | 2.2 | 2.6 | 3.0 | 3.9 | 4.9 | 6.0 | 7.7 | 9.7 |
| | Type | | Plate type heat exchanger | | | | | | | | | |
| | Inlet/outlet nozzle | DN | 32 | 32 | 32 | 40 | 40 | 40 | 40 | 50 | 50 | 50 |
| | Resistance | KPa | 39.5 | 27 | 38 | 31 | 39 | 38 | 48 | 47 | 42 | 45 |
| Source side | Water flow | m³/h | 1.2 | 1.5 | 1.6 | 2.0 | 2.2 | 2.9 | 3.6 | 4.5 | 5.8 | 7.2 |
| | Type | | PHE | | | | | | | | | |
| | Inlet/outlet nozzle | DN | 32 | 32 | 32 | 40 | 40 | 40 | 40 | 50 | 50 | 50 |
| | Resistance | KPa | 40 | 27 | 38 | 31 | 39 | 38 | 48 | 47 | 42 | 45 |
| Noise | | dB(A) | 50 | 51 | 51 | 52 | 52 | 55 | 59 | 60 | 62 | 62 |
| Weight | | kg | 81 | 94 | 105 | 112 | 120 | 135 | 160 | 280 | 298 | 320 |

Note:
Source side water inlet/outlet temperature = 43/38°C.
User side water inlet/outlet temperature = 70/75°C.
Noise measured at 1m in open field.

## Dimensions




| Size | 10 | 12 | 14 | 16 | 18 | 24 | 30 | 36 | 45 | 60 |
|---|---|---|---|---|---|---|---|---|---|---|
| L | 500 | 660 | 660 | 660 | 800 | 800 | 800 | 800 | 800 | 800 |
| H | 800 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 |
| W | 400 | 500 | 500 | 500 | 600 | 600 | 600 | 1200 | 1200 | 1200 |
| A | 466 | 466 | 466 | 466 | 466 | 466 | 466 | 466 | 466 | 466 |
| B | 210 | 210 | 210 | 210 | 210 | 210 | 210 | 210 | 210 | 210 |