*High Temp*

# 90℃ DC Inverter High Temperature Heat Pump Water Heater

DC inverter High Temperature Heat Pumps have a range wide application . Of they can are climate-independent, so they can be used for heating and hot water supply. Currently, Dc inverter High Temperature Heat Pump are widely used in hospitals, schools bathing centers, gyms, nursing home, food processing, printing and dyeing factories, electroplating factories and various commercial, civil and energy storage fields.

### Cascade Frequency Conversion Compression Technology

The unit can provide stable heat for the high-pressure side. The unit can run more stably and meet the demand for high temperature hot water.

### DC Inverter High Temperature Heat Pump Water Heaters can work at ultra-low temperature of -35℃

The units don't need auxiliary electric heating. Their heating capacity can be stable at around 56kW under low temperature conditions. their performance has no without significant attenuation.

### Intelligent Defrosting Technology

The units have fully automatic intelligent control and they can reduce frequency actively under abnormal working conditions. They can quickly defrost, and avoid frequent starts and stops.

### Maximum Outlet Temperature of DC Inverter High Temperature Heat Pump is 90℃

Rated outlet temperature of the unit is 80℃. The water temperature of the unit has been upgraded greatly. It has been widely used in chemical industry, oil well heating, printing and dyeing, electroplating, sweat steaming, pharmacy, heating and other industries.



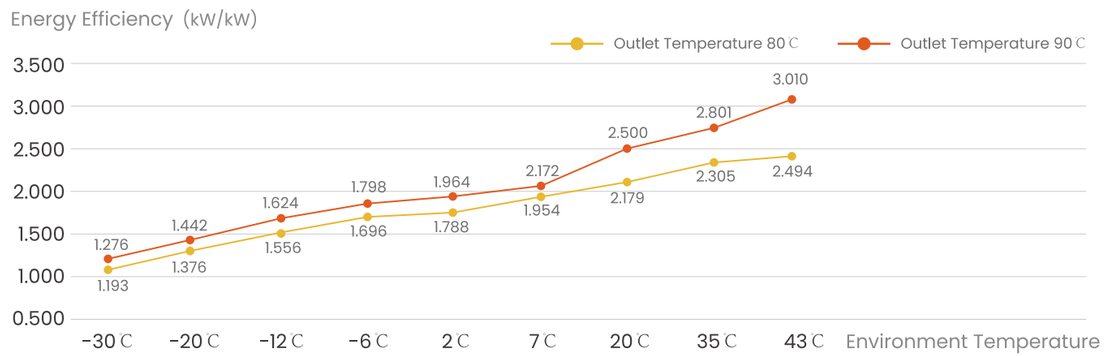
### Eco Friendly Refrigerant

The refrigerant of high-temperature side of the unit is R134A and low-temperature side of the unit is R410A. The eco friendly refrigerants Also, its ODP and flammability are zero. are non-pressure, zero-ODP and non-flammable.

### V-Type structure and high-quality components

The units use high quality inverter compressors, V-Type heat exchange fins and efficient plate heat exchangers Therefore, they have excellent performance and adequate heat exchange.

## Energy Efficiency




## Specifications

| Model | NT-AS-56FGBW | NT-AS-110FGBW |
|---|---|---|
| Rated Heating Capacity/COP(A20W80) | 56.00kW/2.50 | 110.00kW/2.30 |
| Rated Heating Capacity/COP(A7W80) | 56.00kW/2.19 | 110.00kW/2.05 |
| Rated Heating Capacity/COP(A-12W80) | 56.00kW/1.60 | 110.00kW/1.55 |
| Rated Outlet Temperature | 80℃ | 80℃ |
| Highest Outlet Temperature | 90℃ | 90℃ |
| Circulating Water Flow Rate | 6.0m³/h | 11.8m³/h |
| Maximum Working Pressure on High-Temperature Side | 3.6MPa | 3.0MPa |
| Maximum Working Pressure on Low-Temperature Side | 4.2MPa | 4.2MPa |
| Total Mass | 1000kg | 1500kg |
| Overal Dimensions（L*W*H) | 2180*1270*2070mm | 2432*1330*2220mm |
| Application Temperature Range | -30℃~43℃ | -30℃~43℃ |
| Rated Voltage/Number of Phases /Frequency | 380V/3N~/50HZ | 380V/3N~/50HZ |
| RatedInput Power/Current(A20W80) | 22.40kW/38.0A | 47.83kW/83.7A |
| Rated Input Power/Current(A7W80) | 25.60kW/42.6A | 53.66kW/93.9A |
| Rated Input Power/Current(A-12W80) | 35.00kW/56.5A | 68.39kW/119.7A |
| Maximum Input Power/Current | 38.50kW/61.8A | 73.50kW/126.5A |
| Water-Side Design Pressure | 1.0MPa | 1.0MPa |
| Water-Side Resistance | 50kPa | 60kPa |
| Circulating Interface Size | Dn65 | Dn65 |
| Noise | 71dB(A) | 74dB(A) |