



In working process of absorbing free heat from the air and transferring it to water, this series of heat pumps ensures constant and stable water temperature for your swimming pool. With a complete range of models from 4kw to 14kw, this series can meet different requirement for residential pool heating.

Swimming pool heat pump without/with Wi-Fi function(Galvanized steel casing)

| Product model                         |                            | R03Hs/ R03Hs-W                 | R06Hs/ R06Hs-W | R09Hs/ R09Hs-W | R12Hs/ R12Hs-W | R14Hs/ R14Hs-W |       |
|---------------------------------------|----------------------------|--------------------------------|----------------|----------------|----------------|----------------|-------|
| Advised pool volume (m³) (with cover) |                            | 10-20                          | 15-25          | 25-35          | 35-65          | 45-75          |       |
| Parameters                            | Heating*                   | Heating capacity (kW)          | 3.9            | 6.0            | 8.7            | 12.0           | 14.0  |
|                                       |                            | Heating capacity (BTU/h)       | 13300          | 20500          | 29700          | 41000          | 47800 |
|                                       |                            | Input power (kW)               | 0.75           | 1.05           | 1.50           | 2.05           | 2.45  |
|                                       |                            | COP                            | 5.20           | 5.71           | 5.80           | 5.85           | 5.71  |
|                                       | Heating**                  | Heating capacity (kW)          | 3.0            | 4.5            | 6.5            | 8.9            | 10.4  |
|                                       |                            | Heating capacity (BTU/h)       | 10300          | 15400          | 22000          | 30400          | 35500 |
|                                       |                            | Input power (kW)               | 0.7            | 1.02           | 1.45           | 1.98           | 2.36  |
|                                       |                            | COP                            | 4.29           | 4.41           | 4.48           | 4.49           | 4.41  |
|                                       | Rated current (A)          | 3.4                            | 4.6            | 6.5            | 9.1            | 10.9           |       |
|                                       | Advised water flux(m³/h)   | 1.7                            | 2.6            | 3.7            | 5.2            | 6.0            |       |
|                                       | IP Grade (Waterproof rate) | IPX4                           | IPX4           | IPX4           | IPX4           | IPX4           |       |
|                                       | Anti-electric shock rate   | I                              | I              | I              | I              | I              |       |
|                                       | Noise (dB(A))              | ≤42                            | ≤44            | ≤45            | ≤47            | ≤49            |       |
| Net weight/Gross weight (kg)          | 42/45                      | 45/48                          | 50/54          | 63/68          | 68/73          |                |       |
| Water connection (mm)                 | φ50                        | φ50                            | φ50            | φ50            | φ50            |                |       |
| Standard Configuration                | Casing material            | Galvanized steel (White color) |                |                |                |                |       |
|                                       | Body size (W*D*H) (mm)     | 790*290*490                    | 936*360*560    | 936*360*560    | 936*360*560    | 1010*370*630   |       |
|                                       | Compressor                 | Rotary                         |                |                |                |                |       |
|                                       | Refrigerant                | R32                            |                |                |                |                |       |
|                                       | Power supply               | 220V/1ph/50Hz                  |                |                |                |                |       |
| Condenser                             | Titanium in PVC            |                                |                |                |                |                |       |

Remark:  
Heating\*: Inlet water temperature 26°C, Outlet water temperature 28°C, Dry bulb temperature 26°C, Humidity 80%.  
Heating\*\*: Inlet water temperature 26°C, Outlet water temperature 28°C, Dry bulb temperature 15°C, Humidity70%.

Features

1.Optional Wi-Fi Control

Wi-Fi control offers more than being able to preheat or precool swimming pool before you arrive home. It opens up a new world of truly personalized comfort. Effectively replacing your traditional heat pump controller, Wi-Fi control gives you freedom to manage your pool environment regardless of where you are.



2.High Energy Efficiency

This series of heat pumps strives to deliver perfect swimming experience with exceptional performance at the lowest cost. Its COP can go as high as 5.8 at 26°C/23.3°C(DB/WB).



3.Smart Defrosting

The heat pump utilizes the reverse of four-way valve to defrost. It provides an automatic defrosting process based on ambient temperature and allows the heat pump to work under ambient temperature as low as -7°C.



4.Titanium Heat Exchanger

The twisted titanium coils ensure maximum heat transfer surface, resulting in increased output and 30% higher efficiency in contrast with common heat exchangers.



5. Hydrophilic Finned Heat Exchanger

The hydrophilic coating can effectively resist condensing water and frosting. And the anticorrosion feature of hydrophilic coating can give the finned heat exchanger a longer lifetime.

