



DOMESTIC HEATPUMP (HOT & COLD)

This is an air-to-water heat pump, one of the most advanced and energy-efficient heating devices in the world. Operating on the principle of the Reverse Carnot Cycle, it utilizes a small amount of electricity to drive the compressor, absorbing up to four times the free heat energy from the air and releasing it into the water for heat exchange, providing efficient sanitary hot or cold water for the residence.

1 part of electrical power+4 parts of heat energy from the air=5 parts of heat energy In theory, Sun Stellar air-to-water heat pumps have a heating efficiency of up to 500%.

Product Advantages

- R410A**
ECO-REFRIGERANT
- 60°C**
60°C MAX. HOT WATER
- SAVES UP TO 75% ENERGY**
75% ENERGY SAVINGS
- WI-FI CONNECTIVITY**
- CHILLED WATER IN SUMMERS**
- HOT WATER IN WINTERS**
- 24H**
24H HOT WATER SERVICE

EXCELLENT RELIABILITY HIGH EFFICIENCY AND ENERGY-SAVING



Built-in Wilo water pump

Simplified Installation: The integrated design of the water pump and heat pump system simplifies the installation and maintenance process, effectively reducing the construction difficulty for installers and user costs.

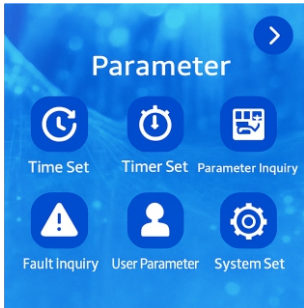
wilo



Hot water outlet upto 60°C
without auxiliary electric heater

4 Inches Color touch display

High-definition display, responsive touch functionality, user-friendly interface, and large, clear lettering make for sampler operation.



- ✓ Heating/Cooling Mode selection
- ✓ Target hot water temp setting
- ✓ Time/Timing setting
- ✓ E-Heater control
- ✓ Intelligent defrost setting
- ✓ Parameter query checking
- ✓ Malfunction warning
- ✓ Troubleshooting checking

Domestic Hot and Cold Heat Pump					
MODEL	ST-HP-5X/200 L	ST-HP-5X/300 L	ST-HP-7X/300 L	ST-HP-7X/500 L	ST-HP-11X/500 L
Heating Capacity	5.0 Kw	5.0 Kw	7.0 Kw	7.0 Kw	11.0 Kw
Water Tank Capacity	200 L	300 L	300 L	500 L	500 L
Power Supply (V/Ph)	220-240 / 1 / 50 Hz				
Rated Input Power (Kw)	1.23 Kw	1.23 Kw	1.74 Kw	1.74 Kw	2.66 Kw
Rated Current (A)	5.9 A	5.9 A	8.05 A	8.05 A	11.15 A
Max Current (A)	8.05 A	8.05 A	11.05 A	11.05 A	15.6 A
Rated Output Temperature (Heating Mode)	55 Degrees C				
Rated Output Temperature (Cooling Mode)	10 Degrees C				
Maximum Output Temperature - Heating	60 Degrees C				
Minimum Output Temperature - Cooling	9 Degrees C				
COP Range**	4.1	4.1	4.05	4.05	4.1
Dishcharge Direction	Side Discharge	Side Discharge	Side Discharge	Side Discharge	Side Discharge
Compressor Type	Rotary	Rotary	Rotary	Rotary	Rotary
Compressor Size	1 HP	1.5 HP	1.5 HP	2 HP	2 HP
Compressor Make	Panasonic				
4 Way Valve and EEV	Sanhua				
Circulation Pump make	Wilo				
Refrigerant Gas	R410A				
Hot Water Produced (Lt/Hr)	115-120 L/Hr	115-120 L/Hr	150 - 160 L/Hr	150 - 160 L/Hr	225-240 L/Hr
Condenser Type	High Efficiency tube in shell heat exchanger				
Control Panel	4 Inches - Touch Display With Smart Control User Friendly Interface				
Wifi	Built in Wifi Module With Smartlife App				
Defrosting	Automatic - Intelligent and Efficient Defrosting				
Comprehensive Protections	High Current and Voltage Protection, Overheating Protection, High Pressure and Low Pressure Protection, Overload Protection, IPX4 Waterproof				
Heat Pump Dimensions	960X350X550 MM	960X350X550 MM	1010X350X600 MM	1010X350X600 MM	1100X420X660 MM
Water Tank Dimensions	§ 520 X 1550 MM	§ 630 X 1550 MM	§ 630 X 1550 MM	§ 730 X 1800 MM	§ 730 X 1800 MM
Water Tank Coating	Glass Enamel Coating				
Water Tank Corrosion Protection	Mg Anode				
Working Pressure	4-5 Bars				
Maximum Water Tank Pressure	8 Bars				

*The Above Specifications are subject to change without prior notice for product Improvement.

APPLICATIONS

Apartment



Hostels/PG



Villa's

