



# Air Source Heat Pumps

Delivering Sustainable Heating



**High Efficiency**

25% higher efficiency by  $\Phi 9$  mm evaporator & Hydrophilic coating on fins to prevent rusting.

**High COP Above 3.6**

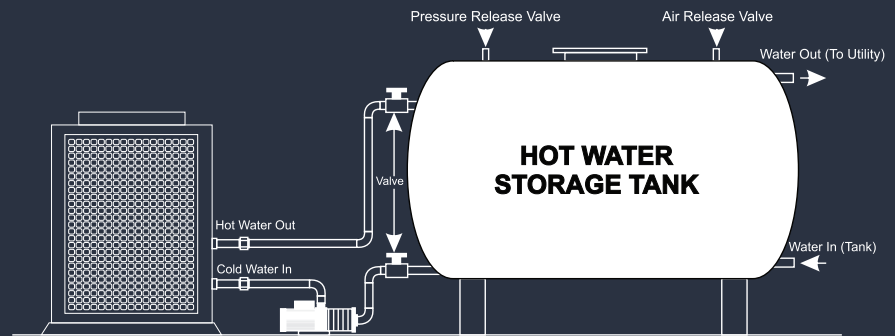
The COP is as high as 3.8 which is even higher than the first class energy level.

**Special Compressor**

Heat Pump dedicated Scroll compressor is adopted for high class performance.

**Patented Heat Exchanger**

Specially designed heat exchanger with large heat exchanging area and compact size.

**Technical Specifications**

MODEL	HXHP-C-30	HXHP-C-50	HXHP-C-100	HXHP-C-200
Power Supply	380V 3N ~ 50Hz	380V 3N ~ 50Hz	380V 3N ~ 50Hz	380V 3N ~ 50Hz
Voltage Range	380V +/- 10%	380V +/- 10%	380V +/- 10%	380V +/- 10%
Rated Heating Capacity(i)	12.5kW	20kW	39kW	76kW
Rated Water Flow(i)	2000 LPH	3600 LPH	6800 LPH	12500 LPH
Hot Water Production	300 LPH	500 LPH	980 LPH	1920 LPH
Rated Power Input(i)	3.21kW	5.21kW	10.20kW	19.73kW
Rated Operation Current(i)	5.0A	11.0A	19.0A	38.0A
Maximum Power Input	4.15kW	6.8kW	13.2kW	22.4kW
Maximum Operation Current	9.0 A	13.1 A	23.3 A	45.3 A
Operation Noise (ii)	70dB	70dB	70dB	70dB
Refrigerant / Quantity	R417a/1.8Kg	R417a/2.8Kg	R417a/2.8Kg x 2	R417a/2.8Kg x 4
Refrigerant Pressure High Side	4.2Mpa	4.2Mpa	4.2Mpa	4.2Mpa
Design Pressure Low Side	3.1Mpa	3.1Mpa	3.1Mpa	3.1Mpa
Water Side Design Pressure	1.0Mpa	1.0Mpa	1.0Mpa	1.0Mpa
Water Side Pressure Drop(iii)	45 kPa	45 kPa	45 kPa	45 kPa
Water Connection Size	1" (25mm)	1" (25mm)	1 1/2" (40mm)	2" (50mm)
Waterproof Class	IPX4	IPX4	IPX4	IPX4
Net Weight	120Kg	172Kg	300Kg	560Kg
Dimensions (LxBxH) (mm)	1120 x 430 x 720	900 x 900 x 1020	1580 x 900 x 1120	1950 x 1200 x 2250

Note:

(1) Rated condition: Ambient temperature 20/15°C (dry/wet bulb), water temperature 47/52°C (inlet/outlet).

(2) Sound pressure value at one meter. | (3) Measured at the rated water flow.

Commercial: Restaurant/Kitchens  
Residential: Villas, Apartments, Guesthouses

Institutional: Hospitals, Hotels, Schools, Hostels, Resorts  
Industrial: Factories, Laundries

**Common Applications**