

[Air Source Heat Pump » Household Heat Pump Water Heater](http://www.heatpumpsupply.com)
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Features of Household Heat Pump Water Heater

1. The household heat pump water heater is designed with built-in highly efficient tube and shell heat exchanger and WILO water pump.
2. It features compact design, easier installation, and it takes up less space.
3. All pipes have thermal insulation and low heat loss.
4. Our household heat pump water heater has high efficiency reverse circuit design with auto defrosting function.
5. The LCD wire controller is installed indoor to be convenient for users.
6. This product adopts 304# Stainless steel cabinet, with anti corrosion and durable effect.

Application

Household heat pump water heater is suitable for family usage, application in villa, apartment, high-floor residence, restaurant, hotel and multi-floor living building for heating and sanitary hot water use.

Technical specification of Household Heat Pump Water Heater

Model		KF80-B	KF120-B	KF240-B	KF400-B	KF480-B
Power	HP	1	1.5	3	5	6
Heating capacity	kW	3.71	5.58	11.6	19.1	18.1
	BTU/h	12659	19039	39579	65169	61757
COP		4.12	4.46	4.64	4.24	4.11
Rated heated water output	L/h	80	120	240	400	480
Rated outlet water temp.	°C	55				
Max outlet water temp.	°C	60				
Rated power input	kW	0.9	1.25	2.5	4.5	4.4
Rated current	A	3.73	5.89	11.36	6.45	25.2
Power supply	V/PH/Hz	220V/1N~/50Hz			380V/3N~/50Hz	
Compressor	Type	Rotary		Scroll		

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	Number	1	1	1	1	2
Heat exchanger type	Number	High efficiency tube in shell heat exchanger				
Throttling device		Capillary		Emerson thermal expansion valve		
Fan	Type	Low noise high efficiency axial type				
	Discharging	Horizontal		Horizontal/Vertical		Vertical
	Quantity	1	1	1	2	2
	Power input/W	20	20	50	90	160
	Speed/RPM	830	830	850	850	850
Ambient temperature	°C	(-10°C~43°C)				
Refrigerant		R22/R410A		R22/R407C		
Noise in 1 meter distance	dB	≤54dB (A)	≤54dB (A)	≤59dB (A)	≤62dB (A)	≤62dB (A)
Water pipe size	inch	Rc3/4	Rc3/4	R1	R1	R1-1/2
Suggested water tank capacity	L	100-150	200-300	300-500	500	500
Cabinet		Stainless steel				
Low pressure protection system		Yes				
High pressure protection system		Yes				
Water flow switch		No				
Automatically defrost system		Yes				
Product Dimension	mm	710/310/940	710/310/940	800/400/1220	1110/530/1260	1430/700/860
	(left-right)m m	930/360/560	930/360/560	760/700/860		
Package dimension	mm	850/450/1020	850/450/1020	950/550/1400	1260/680/1430	1570/840/1050
	(left-right)m m	1080/450/660	1080/450/660	900/830/1050		
Net weight	kg	55	62	110	155	190
	(left-right)m	48	55	95		

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	m					
Gross weight	kg	67	74	134	178	249
	(left-right)m	58	65	139		
	m					
Testing condition: Ambient temp. (DB/WB) = 20°C/ 15 °C, Inlet/outlet water temp. = 15°C/55°C						

Our household heat pump water heater adopts high efficiency tube and shell heat exchanger and has built in water pump inside the heat pump unit. This ensures not only high efficiency performance of the system but also easy installation of work. This product is different from other ordinary domestic Split System which is simply installed to connect to the heat pump unit and then to the water tank through water piping. The refrigerant pipe connection work will not be necessary to heat the water. The water tank connection with this heat pump does not have copper coil heat exchanger inside, which saves the cost of water tank.

As a manufacturer and supplier specialized in household heat pump water heater in China, Heat pump Supply also provides commercial air source heat pump, split air source heat pump, solar water heater, among others.

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