

HOME USE AIR SOURCE HEAT PUMP WATER HEATER



COMFORT SERIES



Circulation water pump built-in.



Wifi function for option(Control by Apps on mobile phone).



High efficiency shell & tube heat exchanger: Adopt high efficiency internal thread copper coil, which heating area is 3.6 times than ordinary smooth coil, larger diameter water loop design to make water flow smoothly, energy efficiency is superior.



Stainless steel 304 material for side cover of finned tube heat exchanger, for all fastener and other important parts, not easy to rust and corrosion, more durable.

GMCC

High quality GMCC rotor compressor, widely used in the field of air conditioners and heat pump water heaters, high quality, long service life and convenient maintenance.



High precision electronic expansion valve: use electronic expansion valve for controlling, reach 500 steps adjustment, adjust super heat degrees accurately, achieve high efficiency operation system.



Controller: Adopt famous master chip, ensure stable running. With lot of protection functions: High & low pressure protection, anti-freezing protection, high temperature protection, overload protection, lack phase and reverse phase protection, and so on.



The blue hydrophilic aluminum foil fin heat exchanger adopts cross-type multi-flow path design to make the heat exchange more uniform; the internal thread copper tube design has higher heat transfer efficiency; at the same time, the hydrophilic fins are not easy to form water droplets, Spreading into a uniform water film completely on the surface of fins, eliminates the generation of water bridges, which greatly improves the heat exchange capacity and heat exchange efficiency between the aluminum foil and the flowing air.

R410A

Low ODP refrigerant: R410a.

COMFORT SERIES (HOME USE AIR SOURCE HEAT PUMP WATER HEATER CIRCULATING TYPE)

Model	CKXRS-3.5 IH	CKXRS-5.0 IH	CKXRS-7.0 IH	CKXRS-9.0 IH	
Rated Heating capacity (KW)	3.5	4.8	6.8	8.4	
Rated outlet hot water quantity (L/H)	75	108	150	193	
Outlet water rated temp (°C)	55				
Outlet water max. temp (°C)	60				
Electricity parameter	Rated power (KW)	0.9	1.24	1.71	2.13
	Rated current (A)	4.1	5.6	7.8	11.4
	Power supply	1N 220V~50HZ			
	Max power (KW)	1.28	1.63	2.26	3.01
"Max current (A)"	5.7	7.4	10.4	14.6	
Refrigerant	R410a				
Dimensions mm	850*350*580		910*415*840		
Weight KG	43	51	65	68	
Waterproof grade	IPX4				
Defend electric shock grade	GRADE 1				
Noise Db	≅53Db		≅55Db		
Compressor	GMCC Rotor type				

Stainless steel pressurized water tank specifications

Specifications	150L	200L	300L	500L
Pressurized Water Tank with Safety Valve				
Pipe size (mm)	DN15		DN20	
Water Tank Size	φ480 x 1394	φ520 x 1543	φ580 x 1764	φ700 x 1835
Installation	Floor Standing Type			
Concurrent User	3-4 persons	4-5 persons	6-8 persons	10-13 persons

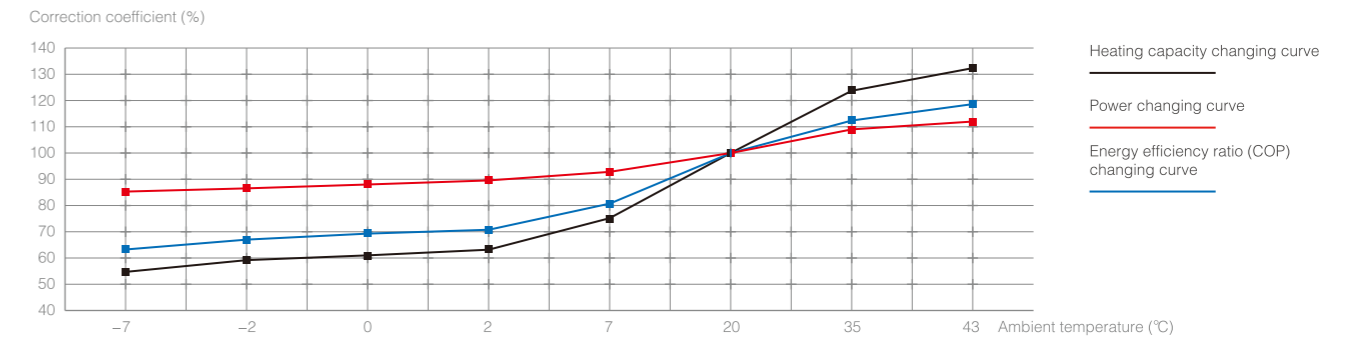
Remarks:

1. Testing condition: use side initial water temperature: 15°C, end water temperature 55°C, dry-bulb temperature 20°C, wet-bulb temperature 15°C.
2. The above model is our basic type, the final product may have some differences from it.

HOT WATER HEATING PERFORMANCE CORRECTION COEFFICIENT (%)

Heat source side water input temperature (°C)	-7	-2	0	2	7	20	35	43
Heating capacity (%)	55	59	63	63	75	100	124	133
Power (%)	86	87	89.6	89.6	93	100	109	112
Energy efficiency ratio (COP) (%)	64.0	67.8	70.3	70.3	80.6	100.0	113.8	118.8

HEATING PERFORMANCE CORRECTION COEFFICIENT CHANGING CURVE



APPLICATIONS SKETCH

