


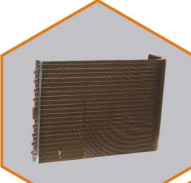
COMMERCIAL HEAT PUMP

Heat Pump Water Heater for Energy Saving Solution







COPELAND SCROLL ZW
Reliable and High Efficient Scroll Compressor




EVAPORATOR
Gold fin Evaporator provides high efficiency and prevents external debris




SAGINOMIYA EEV
Electronic expansion valve with accurate control of refrigerant flow and more energy-efficient, superior to common thermal expansion valve



HEAT EXCHANGER
High efficiency tube in tube heat exchanger makes sufficient heat transfer between high temperature and pressure refrigerant and cold water



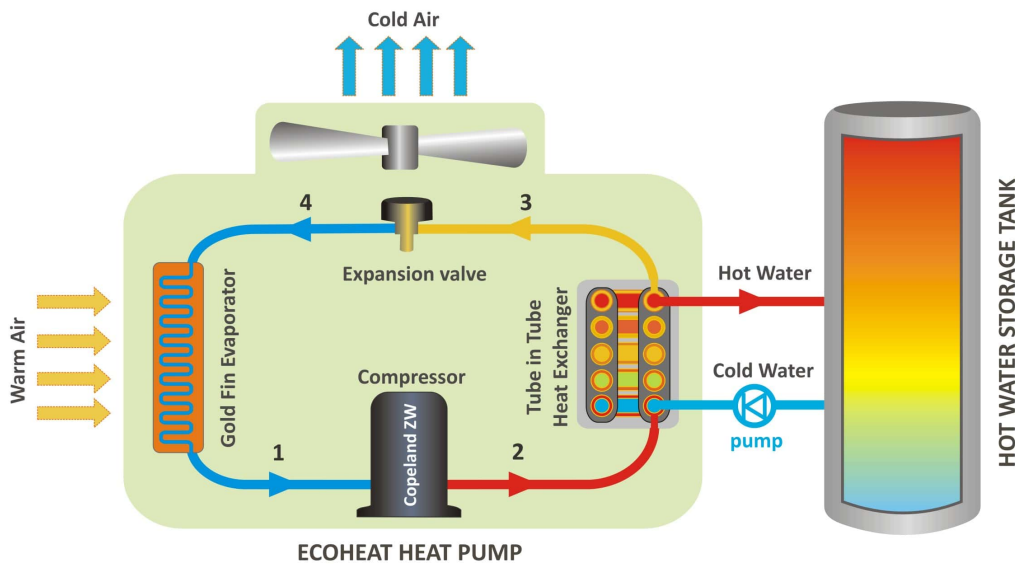
FAN
Axial fan adopted to absorb heavy wind and reduce running noise



CONTROLLER LCD
Intelligent controller and saving mode can save extra energy 10%

High Efficiency & Quality Spare parts

PRINCIPLE OF HEAT PUMP WATER HEATER



Air source Heat Pump Water Heater, represent the latest water heating technology, and works on the principle of refrigerant reverse Carnot Cycling, drawing heat out of atmosphere (air) and discharging it into the water

TECHNICAL SPECIFICATION

TECHNICAL DATA	12K-HPE	20K-HPE	26K-HPE	40K-HPE	50K-HPE	60K-HPE	80K-HPE	100K-HPE	
Heating Capacity	kW	12	20	26	40	47	58	76	96
Power Input	kW	2.7	4.5	6	9.2	10.8	13.5	17.7	22.4
Power Supply	V-ph-Hz	380 / 3 / 50							
Max. outlet water temp.	°C	60							
Rated Water Flow	m ³ /h	2.5	4	5	8	9.5	12	15.5	19.5
Water Feed Speed Δt:35°C	L/h	245	415	550	880	990	1240	1620	2050
Refrigerant		R417A							
Compressor		Copeland Scroll ZW x 1			Copeland Scroll ZW x 2				
Heat Exchanger		Tube in Tube x 1			Tube in Tube x 2				
Max. Current	A	17.2	12.6	16.8	25.2	29.4	36.8	48.3	61
Ambient Temperature	°C	(-10°C ~ +45°C)							
Cabinet		Galvanized powder coated steel							
Water Pipe Size	mm	DN 25			DN 40		DN 50		
Protection system		Low pressure protection, High pressure protection, Automatic Defrosting, Overload protection							
Net. Dimensions HxWxD	mm	710x810x840	855x775x1095	855x775x1095	1540x770x1180	1550x845x1180	1950x1100x1930	2000x1005x1865	2010x1165x2025
Net. Weight	Kg	105	155	170	300	350	400	650	750
Noise Level in 1 meter	dB(A)	55	58	60	65	58	66	68	68

Test Condition : Heating ambient temperature (DB/WB):20°C / 15°C, Water temperature (input/output): 15°C / 55°C.



ECO FRIENDLY



POWER OFF MEMORY



AUTO DEFROSTING



INTELLENT CONTROL



EEV