

CENTRALISED WATER HEATING SYSTEM THAT SAVES ENERGY AND SPACE.

ALL-IN-ONE HEAT PUMP



AVAILABLE IN :



A centralised heat pump efficiently provides hot water for an entire house, offering a cost-effective and eco-friendly solution for residential heating needs.



PRODUCT FEATURES:



VITREOUS ENAMEL GLASS COATED INNER CONTAINER:

PROVIDES SUPERIOR CORROSION RESISTANCE



TITANIUM+ E ANODE TECHNOLOGY:

PREVENTS CORROSION, ENHANCES LIFE



HIGH DENSITY PUF INSULATION:

STORES HOT WATER FOR LONGER TIME



MICRO CHANNEL HEAT EXCHNGER:

FOR EFFICIENT HEATING



HIGH WORKING PRESSURE 0.8 MPa:

IDLE FOR HIGH RISE BUILDINGS



SMART LED DIGITAL CONTROL PANEL:

FOR TEMPERATURE & TIMER SETTING



BOOST MODE:

FOR FASTER HEATING



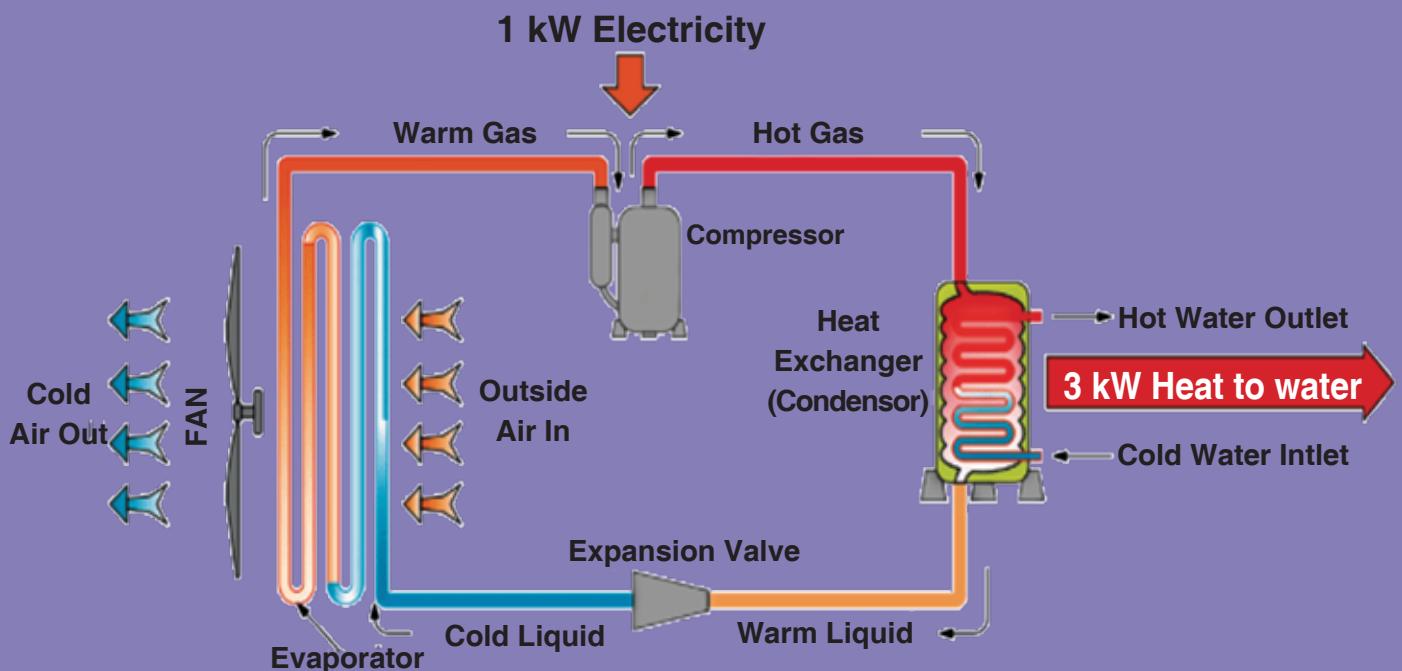
FLOOR STANDING INSTALLATION:

ENGINEERED FOR ROOFTOP USE WITH OVERHEAD PROTECTION

HOW DOES IT WORK ?

The compressor draws refrigerant vapor which is low temperature and low pressure from evaporator and significantly increases the pressure and temperature of vapor. Then the refrigerant will exchange heat with water in the water tank and become liquid state. The water keeps absorbing the heat and the temperature is rising. The high-pressure liquid will go through the throttling device to significantly reduce pressure and temperature. Finally, the fan draws air through the evaporator, and the cold liquid refrigerant absorbs heat from air to become vapor again. The refrigerant will continuously run the above way so as to heat water.

HEAT PUMP WORKING PRINCIPLE



Air source heat pumps are driven by small amount of electricity, absorbing heat energy from the air to heat the cold water. The power consumption is about 1/4 of traditional water heater. It uses 1 unit of input power for 4 units of output (using 3 units from air) thus producing 4 times the input.

HEATING MODE:



ECO Heating mode : We can set the temperature up to 65 °C & is most effective mode for saving electricity

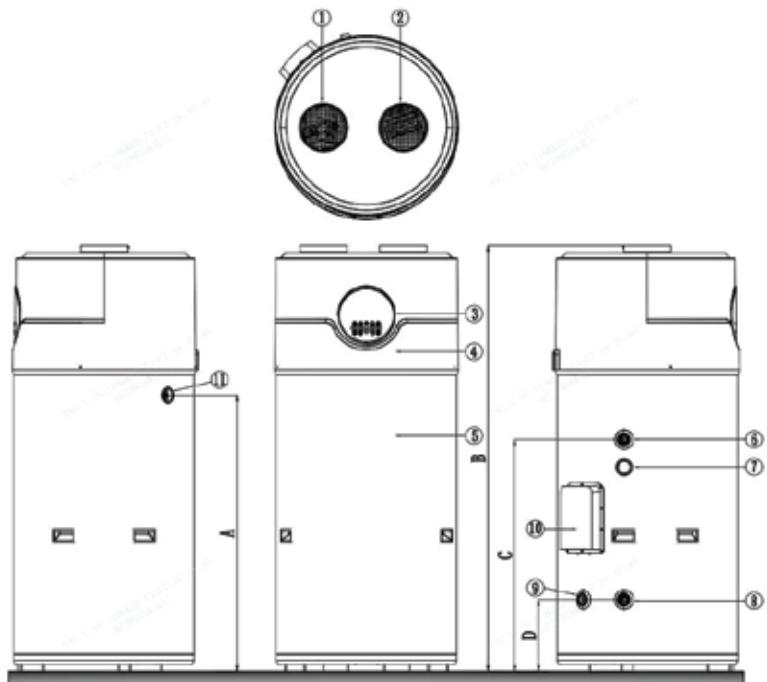


Boost mode : Heating element & heat pump works simultaneously for temperature required up to 75 °C

PRODUCT DIMENSION:

AHP MODELS DIMENSIONS:		
MODEL	AHP 20	AHP 30
A	990 mm	1430 mm
B	1530 mm	1970 mm
C	836 mm	1250 mm
D	255 mm	255 mm

All dimensions are in mm. Please refer to the figures above.
Figures and diagrams are for illustrative purposes only.



TECHNICAL SPECIFICATIONS:

Model	AHP 20 and AHP 30	
Operational mode	Heat Pump Mode, Auto Mode, Boost Mode & AI Mode	
Power supply	220 V - 240 V AC ~ , 50 Hz	
Max. power input (under boost mode)	2900 W	
Max. current input (under boost mode)	12.60 A	
Heat Pump	Max. power input Compressor	900 W
	Refrigerant Type & Qty.	R134a / 600 g R134a / 650 g
	COP _{DHW}	3.19 3.32
	Max. outlet water temp.	65 °C (default 52 °C)
	Operating temp. range	-7 °C ~ 43 °C
Electric Heating	Rated Power Input	2000 W
	Max. outlet water temp.	75 °C
Storage Tank	Rated capacity	200 L 300 L
	Max. operating Pressure	1.0 MPa
	Water inlet/outlet	DN 20 (20 mm)
Anti-electric shock class	Class I	
Sound power level ⁽²⁾	≤ 58 dB (A)	
Net weight(kg)	100 kg	121 kg
Dimensions(mm) (Dia. x Height)	Ø 662 mm x 1530 mm	Ø 662 mm x 1970 mm

Note:

1. Performance condition: Ambient air 20 °C DB/ 15 °C WB, incoming/final water temperature 15 °C / 55 °C.

2. Sound level tested with air duct, according to EN 12102-1-2017, ISO 3744:2010.

Install the stabilizer to avoid malfunctioning of the product.

Terms & Conditions apply.



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