



KEY FEATURES:



Feroglas Coating Inner Container - For corrosion resistance



Ultra-thick superior cold rolled steel tank for high pressure applications



Backup built-in 2kw Incoloy glass heating element gives high efficiency at any conditions.



Micro channel heat exchanger for efficient heating



Noise reduction design with silent operation .



Heavy duty magnesium anode rod for corrosion protection



High density thick PUF insulation for maximum energy saving



Rated pressure of 0.8 MPa - Ideal for high rise buildings



R32 efficient environment protection refrigerant.

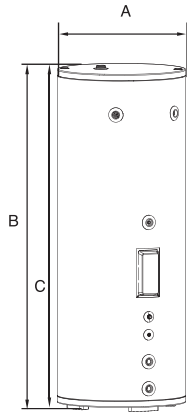
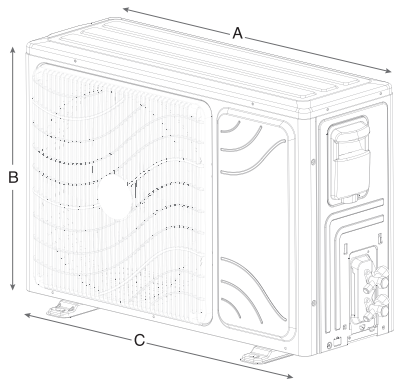


Smart Digital Controller for setting temperature with On & Off timer

PRODUCT FEATURES:

- It saves more than 75% energy as compared to the regular electric water heater. Water output temperature reaches up to 75°C, with backup support from heating element.
- The compressor gives high efficiency and low amplitude and makes it more efficient.
- The EEV valve adjusts refrigerant flow rapidly and accurately, and gives faster heating with more energy saving.
- Micro-channel heat exchanger provides larger contact area between water tank and heat exchanger, which allows larger heat exchange with higher efficiency.
- The high density thick PUF insulation gives excellent insulation effect with less heat loss .

PRODUCT DIMENSION:



Product Dimensions - Outdoor Unit			
Capacity	A	B	C
200 L, 300 L, 400 L & 500 L	870 mm	365 mm	560 mm

Product Dimensions - Heat Pump Tank Unit			
Capacity	A	B	C
200 L	510 mm	1670 mm	1680 mm
300 L	630 mm	1555 mm	1565 mm
400 L	680 mm	1695 mm	1705 mm
500 L	718 mm	1832 mm	1842 mm

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

TECHNICAL SPECIFICATIONS:

Model	HP 20	HP 30	HP 40	HP 50
Rated Capacity	200 Litres	300 Litres	400 Litres	500 Litres
Rated Voltage in Volt & Frequency in Hz	230 V, 1 Phase 50 Hz AC	230 V, 1 Phase 50 Hz AC	230 V, 1 Phase 50 Hz AC	230 V, 1 Phase 50 Hz AC
Electric shock Proof Grade	Class I	Class I	Class I	Class I
Water proof level	IPX4	IPX4	IPX4	IPX4
Heat Pump	Rated Heating Capacity	4018 W	4018 W	6068 W
	Rated input power	980 W	980 W	1480 W
	Rated input current	4.1 A	4.1 A	6.5 A
	Water yield	86 L / h	86 L / h	130 L / h
	Water yield with heating element	129 L / h	129 L / h	173 L / h
	Co-efficient of Performance	4.1	4.1	4.1
Electric Heater	Type	Electric Heater	Electric Heater	Electric Heater
	Rated Power Input	2000 W	2000 W	2000 W
	Rated Current	8.6 A	8.6 A	8.6 A
Rated Wattage	2980 W	2980 W	3480 W	3480 W
Max Rated Current (Auto Mode)	13.6 A	13.6 A	17.5 A	17.5 A
Default Water Outlet temperature	55 °C	55 °C	55 °C	55 °C
Max. Water Outlet Temperature with Electric Heater	75 °C	75 °C	75 °C	75 °C
Hot Water Temperature Set Range (Auto Mode)	25 °C - 75 °C	25 °C - 75 °C	25 °C - 75 °C	25 °C - 75 °C
Unit working condition with compressor (Ambient temperature in °C)	-4 °C ~ 43 °C	-4 °C ~ 43 °C	-4 °C ~ 43 °C	-4 °C ~ 43 °C
Unit working condition with Electric Heater (Ambient temperature in °C)	-20 °C ~ 43 °C	-20 °C ~ 43 °C	-20 °C ~ 43 °C	-20 °C ~ 43 °C
Refrigerant Weight	R32 / 670 g	R32 / 670 g	R32 / 1.26 kg	R32 / 1.26 kg
Noise Level	52 dB	52 dB	57 dB	57 dB
Water Tank Rated Pressure	0.8 MPa	0.8 MPa	0.8 MPa	0.8 MPa
Water Tank Max Pressure	1.2 MPa	1.2 MPa	1.2 MPa	1.2 MPa
Net weight Heat Pump Tank /outdoor	82 kg / 30 kg	89 kg / 30 kg	106 kg / 36.2 kg	124 kg / 36.2 kg

Note:

- The specific parameters are subject to the product nameplate. Any changes will be made without notice
- Refer mechanical figure in this page and previous page in respect of dimensions in chart above.
- COP measurement tested under following conditions, Test Chamber Temperature 20 °C (Dry Bulb) / 15 °C (Wet Bulb), Inlet Feed Water Temperature 15 °C and Outlet Water Set Temperature 55 °C.

Install the stabilizer to avoid malfunctioning of the product.

Terms & Conditions apply.



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CENTRALIZED
WATER HEATING SYSTEM
THAT SAVES ENERGY

Presenting the first-ever made-in-India
Heat Pump



Available in : 200 L / 300 L / 400 L / 500 L



Ever worried about the wastage of energy when you turned on your electric water heater? Ever wondered if the water in your heater is enough for your bath? Well, with the all-new Havells Heat Pump; you can let go of all these worries and just get down to enjoying your bath. Heat Pump comes with the capacity to supply large quantities of warm water at only 1/4th the cost of normal water heaters.

WHAT IS A HEAT PUMP?

Think of it as a reverse refrigerator. It is a water heater that transfers heat from one place to another, instead of generating heat directly. Therefore, it is two to three times more energy efficient than conventional electric resistance water heaters.

HOW DOES IT OPERATE?

The heat pump is driven by electricity. It heats water by the heat transfer medium, which absorbs heat effectively from air, or the unusable low-grade heat from other low-temperature heat sources. It then compresses the heat to make usable high-grade heat and releases it into water. In this way, the unit supplies the user with sufficient hot water throttling device.



A CENTRALISED HEAT PUMP EFFICIENTLY PROVIDES HOT WATER FOR AN ENTIRE HOUSE, OFFERING A COST-EFFECTIVE AND ECO-FRIENDLY SOLUTION FOR RESIDENTIAL HEATING NEEDS.



1=1+3 ?

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 55 °C & is most effective mode for saving electricity



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

