

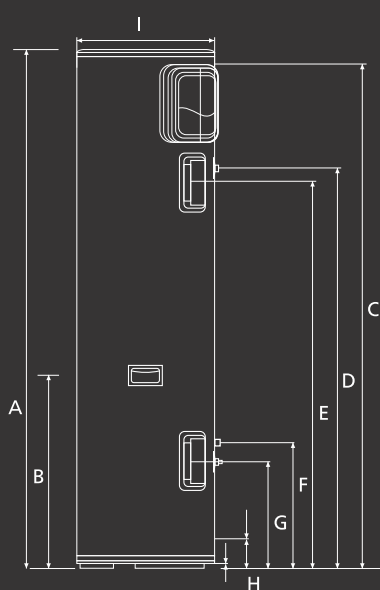
Lifetime Savings, One Time Investment!



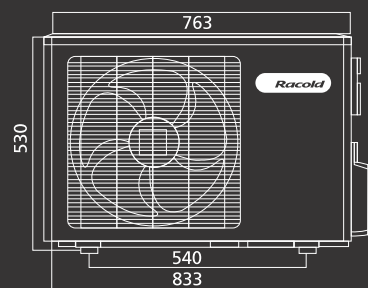
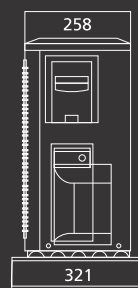
**Subject to internal test conditions.

Heat Pump Water Heaters





Split Unit:



Split 150ltrs. / 200ltrs

Model	A	B	C	D	E	F	G	H	I
150	1486	670	1429	1024	1004	414	364	17	495
200	1894	705	1841	1462	1409	460	390	17	510



The product comes with a 5 year warranty on inner tank, 5 year warranty on the compressor & 2 year on the product, assuring a dependable service.



Chlorofluorocarbon Free

Frequently Asked Questions (FAQ's)

1) Why should I use a Heat Pump Water Heater instead of Electrical Storage Water Heater?

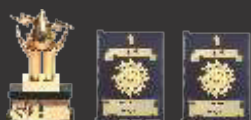
- Heat Pump Water Heater can save more than 70% of electricity when compared to a normal Electric Water Heater. Electricity is used to run the compressor and not to heat the water.

2) Where should I install a Heat Pump Water Heater?

- Heat Pump Water Heater can be installed in a bathroom, balcony, kitchen, storeroom, etc., virtually anywhere in the house without affecting the outlook of the building.

3) What is the heat source of the Heat Pump Water Heater?

- It draws heat from air (atmosphere) so that product continues to supply hot water in all weather conditions irrespective of the water heater location.



After-sales service

Racold leads the way in service support with:

- Nationwide service technicians with over 300 service centres
- Use of genuine Racold spare parts

Racold is a registered trademark of Ariston Thermo Spa, Italy.



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An ISO 9001 : 2008 Certified Company

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THERMO GROUP

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About Racold

Racold is India's largest manufacturer and provider of water heating solutions for over 60 years. It is a fully owned subsidiary of the 1.71 billion Ariston Thermo Group-Italy, the world leaders in the water and environmental heating solutions.

Ever since its inception, Racold, has been setting standards in the Indian Water Heating Industry by bringing in new technology, enhancing the aesthetics, quality, safety, durability and performance of the product. Racold has set a new benchmark in the industry for energy efficiency standards and has the distinction of being the only brand in the water heating category to win the BEE award for the 10th time. It is also the only chosen water heater brand in the category to be selected as a Superbrand for 2019 after an extensive online consumer voting process.

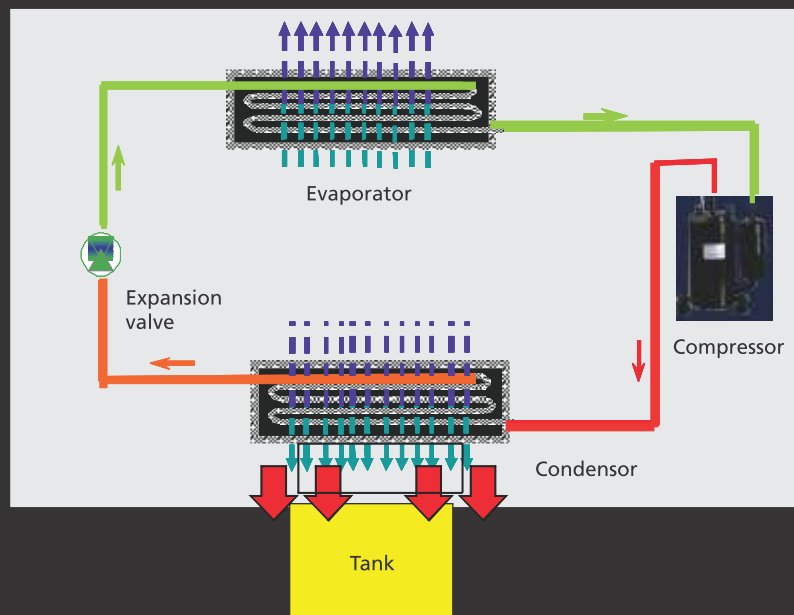
Why Heat Pump Water Heaters?

It uses 70% less electricity compared to conventional water heating solutions. It uses electricity only to move heat from one place to another instead of using it to generate heat. This results in 70% less electricity consumption.

- Heat pump water heaters have a COP (Co-efficient of performance) of 3.6, meaning that the energy produced in the form of hot water is 3.6 time more than that is consumed.
- By comparison, electric water heaters have a COP of less than 1, resulting in heat pump water heaters giving an annual saving of approx. ₹1000/-[^]

70%**
Energy Savings

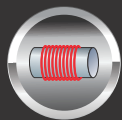
How Does It Work?



Thermodynamic Cycle

- External air is sucked inside the heat pump with the help of a fan.
- Since the refrigerant in the evaporator is kept at a lower temperature than the surrounding atmosphere, it absorbs heat from the surroundings and evaporates.
- The compressor compresses the gaseous refrigerant and raises the pressure and temperature of the refrigerant.
- The heated refrigerant runs through the condenser coil wrapped around the storage tank, transferring the heat to the water stored there and it cools and condensates.
- The refrigerant then passes through an expansion valve where the pressure and temperature is reduced further for the whole process to start again.

Features:



Isolated Safe Condenser:
Designed according to European standards, this ensures safety and superior conduction of heat.



Magnesium Anode:
Protects your water heater and gives it long life.



High Efficiency Compressor:
It ensures faster heat exchange, more hot water and increased savings.



Quick Heating:
In this option the water heater will work in both Heat Pump and Heating Element mode, giving instant hot water.



Titanium Enameled Tank:
A new technology which uses titanium enamelling for the inner container ensures greater corrosion resistance against hard water.



Intelligent Controller:
Temperature and the time when hot water is required can be easily set via smart digital controller.

Technical Specification*

Sl. No.	Model	150 Ltrs.	200 Ltrs.
1	Capacity (Ltrs.)	150	200
2	Product Configuration	Split	
3	CoP**	3.6	
4	Noise level in DB (1 meter as per standard)	52	
5	Operating Pressure (Bar)	8	
6	Heating Element (KW)	1.8	
7	Refrigerant	R134a	
8	Tank net weight-without water (Kgs)	50	75
9	Product dimensions (mm)	495 x 1486	510 x 1894
10	Mains Electrical Connection (V/Hz)	(198-264)V/50Hz	
11	Anode	Mg	
12	Maximum Temperature Setting - HP Mode (°C)	55	
13	Maximum Temperature Setting with Electrical Heating Element (°C)	75	
14	Heating Time (h:min) HP	2:20	3:20
15	Heating Time (h:min) HP+HE	1:20	2:00
16	Power Output (W)	2600	
17	Power Input (W)	720	
18	Volume @ 40° C (Ltrs.)	209	282

All these measuring values obtained with air temperature of 20°C / 59°C humidity.

Comparative Analysis*:

Parameters	Heat Pump Water Heater	Electric Water Heater
Operating Cost (%)	28	100
Place of Installation	Any place	Any place
Source of Enetgy	2/3 from atmosphere (renewable energy) + 1/3 from electrical power	Electrical power
Temperature of Hot Water	55°C	60 to 70° C
Climatic Constraints	None (Works throughout the year)	None (Works throughout the year)

*Capacity - 150 Ltrs. water