

*One Time Investment.
Lifetime Saving.*



RACOLD COMMERCIAL HEAT PUMP WATER HEATER


70%*
Savings

Delivering excellence in water heating since 60 years

www.racold.com



* Uses 70% less electricity compared to conventional water heating solutions



About US _____

ARISTON Thermo Group

Ariston Thermo is a global leading company in the water heating and heating industry. The Group develops and provides solutions based on renewable energy sources, such as solar thermal systems and heat pumps, through a continuous investment in innovation for the development of increasingly advanced connectivity systems. In 2018, the Group recorded a turnover of 1.61 billion and sold 8 million products in over 150 countries, with 6.800 employees, 66 operating companies and 5 representative offices in 40 countries, 27 production sites in 15 countries and 23 centres of competences and R&D in 14 countries. The Group offers a full range of products, systems and services, mostly under the brands Ariston, Elco, Chaffoteaux, Atag, Racold, NTI and HTP. The goal of Ariston Thermo is to look at the future of thermic comfort, offering an optimal combination of quality, energy savings and care for the environment.



The Ministry of New and Renewable Energy (MNRE) has recognized "RACOLD" for its outstanding efforts by conferring two awards lauding its achievement in Solar Thermal Installation by square metre and for the Best Service and Dealer Network in India.

Brand RACOLD

Racold as a brand is synonymous with breakthrough innovation, premium quality and complete customer satisfaction. As a further testimony to their continuous delivery on performance, they have been the first to obtain quality and performance certifications as per IEC, CE and other similar international standards.

With a complete range of Electrical, Gas, Solar, and Heat Pump Water Heaters, Racold provides complete water heating solutions to all the sectors i.e. domestic, commercial and industrial. Racold focuses on consumer insight led innovation, which has led to innovative technological features like Programmable Cycle, Smart Bath Logic and Eco Sense.

Racold is the only brand in the water heating category to be chosen as a Superbrand for 2019 after an extensive online consumer voting process. Also, the first water heater brand to be recognized by the Bureau of Energy Efficiency (BEE) successively for the last 9 years. It has won the prestigious National Energy Conservation award consecutively 7 times in a row from 2010 to 2016 and the "Most Energy Efficient Appliance of the year" award in 2017 and 2018. This award has been instituted by BEE in the electric storage water heater category.

Racold has been awarded as the 'Most Trusted Brand in India' in water heater segment by the Brand Trust report 2016 based on research conducted by Trust Research Advisory (TRA). The award is a testimony to the dominance that the brand enjoys in the customers' mind.



**VOTED INDIA'S
MOST TRUSTED
Water Heater Brand**
THE BRAND TRUST REPORT 2016



**Winner of highest
number of National Energy
Conservation Awards.**

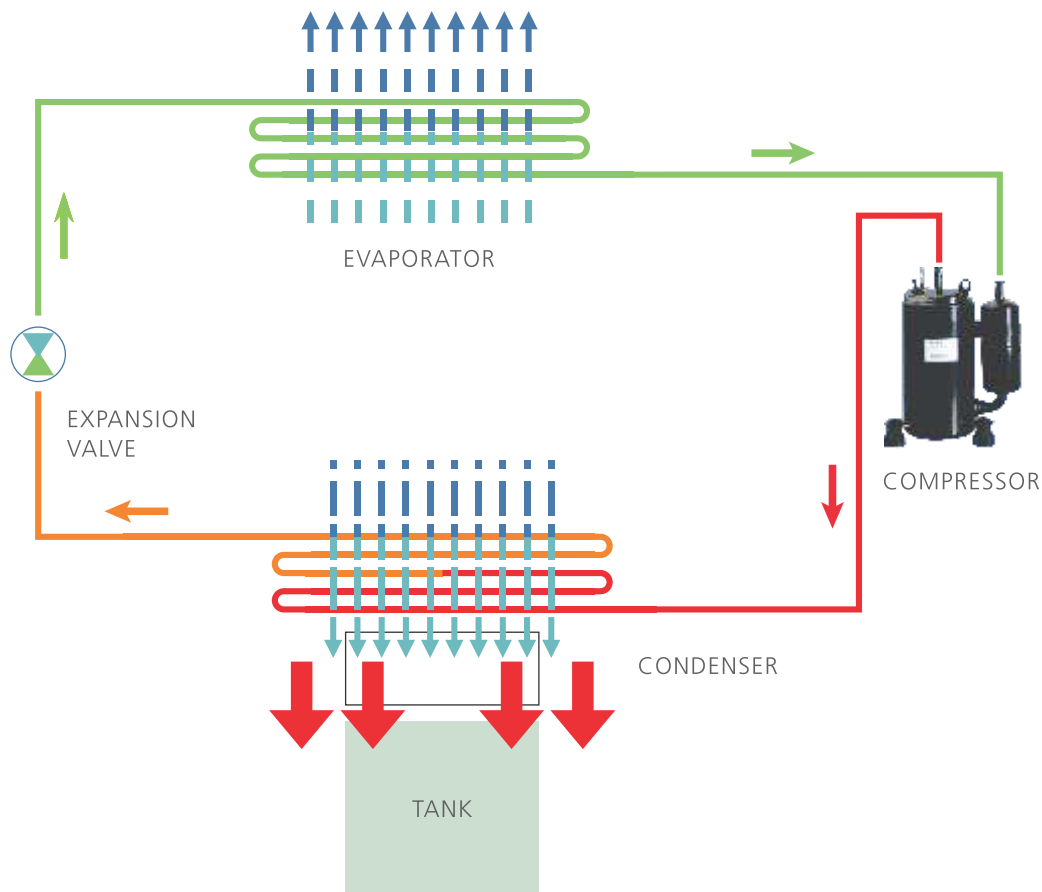


What is the RACOLD COMMERCIAL Heat Pump Water Heater?

The Racold Commercial Heat Pump Water Heater is a new generation high-efficiency, energy saving, environment-friendly, water heating solution. It is a combination of the highest quality and latest eco-friendly technology.

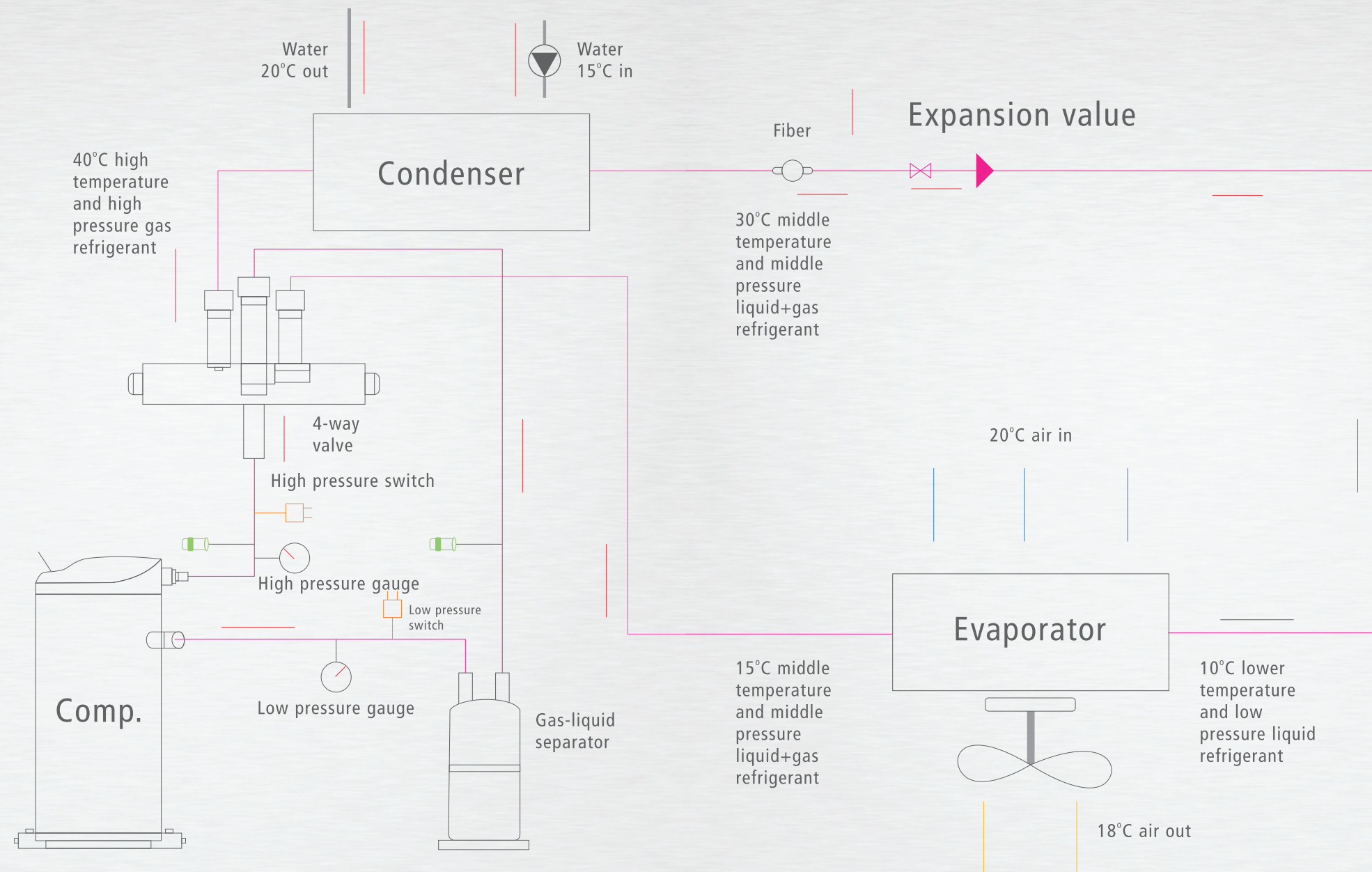
It uses 70% less electricity compared to conventional water heating solutions. It uses electricity only to move heat from one place to another, instead of using it to generate heat. This results in 70% less electricity consumption.

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



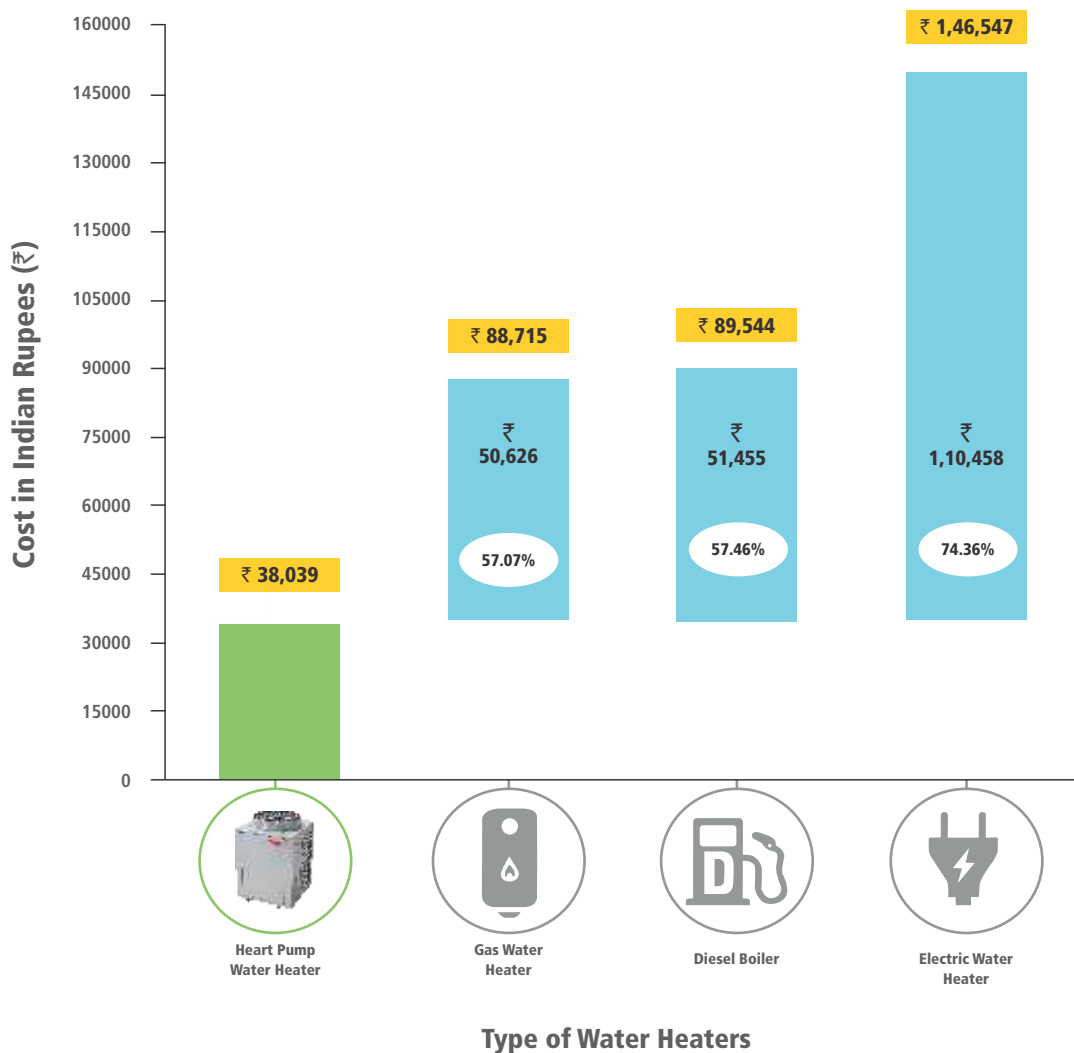
An ENERGY-SAVING technology
in a USER-FRIENDLY product!

The Racold Commercial Heat Pump Water Heater is a new generation water heater that uses the principle of **"Reverse Carnot Cycle"** to absorb heat from the air to heat water inside the tank. It is a highly efficient, energy-saving and environment friendly technology.

This Water Heater is available in well-designed units which are simple to operate, easy to install and have a smart remote controller.

Annual Savings with Heat Pump

Per 1000 L Per Day



Total Cost

Annual Savings with Heat Pump

Annual Savings with Heat Pump in %



The RACOLD COMMERCIAL Heat Pump Water Heater ADVANTAGES

The Racold Commercial Heat Pump Water Heater gives you many advantages, on all fronts – be it efficiency, safety, reliability, cost effectiveness, ease of installation & usage.

**Save more Energy**

Saves up to 70% energy compared to conventional water heating solutions

**Environment Friendly**

We use the environment friendly refrigerant R417A

**Depreciation Benefit**

Companies can claim depreciation benefit as per Government of India norms under the Income Tax Act

**SMART Digital Control**

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

**Safe and Reliable**

It is 100% shock free as electricity and water flow is separated in this design

**Sturdy Components**

The components are long lasting, strong and weatherproof for extended durability

**Easy to Install**

Heat Pump can be very easily installed on rooftop, or any area with good ventilation

**Easy to Use**

It can be easily operated via Smart Digital Controller that comes with it

**Save more Space**

Compact design saves more space as compared to other conventional water heating solutions

**Government Clearance**

No government clearance is required for the heat pump set up and use

**Longer Life**

Lifespan ranges from 10 to 15 years

**Payback Period**

Investment on Water heater can be recovered within 2 to 3 years through accrued savings on energy bills

**Maintenance Free**

Can last for years with little or no maintenance

**Racold Service**

Log in on our website to register a service request or just call us on our helpline numbers, WhatsApp or Email us

**Annual Maintenance Contract**

You can be assured of timely maintenance of your Racold Heat Pump Water Heater by opting for our AMC



TECHNICAL Specifications

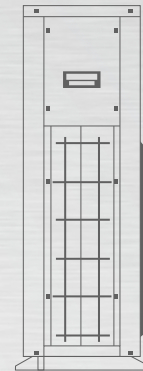
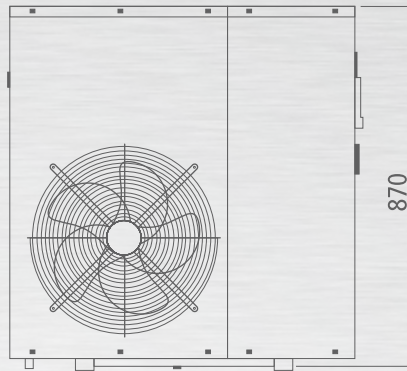
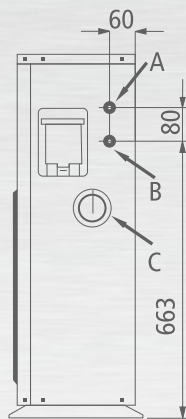
R HPWH 6SP
R HPWH 11SP



PARAMETERS		SPECIFICATIONS	
Model / Model		R HPWH 6SP	R HPWH 11SP
Power Supply	(V/ph)	220/1	220/1
Frequency	Hz	50	50
Rated Heating Power Output	kW	5.57	10.7
Rated Heating Power Input	kW	1.36	2.74
Water Production	L/h	119*	229*
Refrigerant / Weight	gram	R417A/1200	R417A/2100
Required Water Flow Rate	(m ³ /h)	1.6	2
Pressure Loss	kPa	40	45
Max. Operation Current	Amp	9	20
Max. Suction / Discharge Pressure	MPa	1.2/2.8	1.2/2.8
Max. Heat Exchanger Pressure	MPa	2.8	2.8
Water Connection Size		G3/4"	G1"
Level Against Electric Shock		I	I
Water-proof Grade		IPX4	IPX4
Noise	dB(A)	≤56	≤58
Net Weight	kg	65	84
Net Size	mm	835x320x870	1200x440x870
Operation Temp. Range	°C	-10~45	-10~45

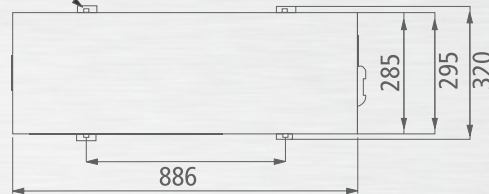
*Testing in condition of Ambient temp 30°C, 50% RH, water temp inlet 25°C/outlet temp 55°C

R HPWH 6SP

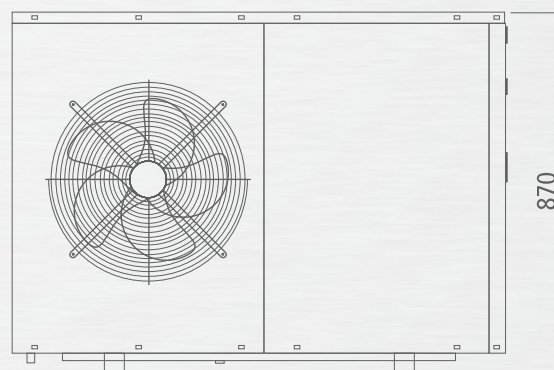
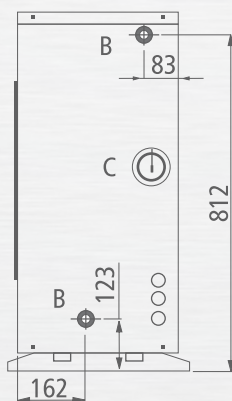


- A: Hot Water Output
- B: Hot Water Input
- C: High Pressure Gauge

4-10X18

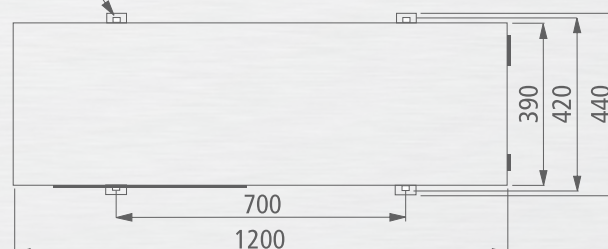


R HPWH 11SP



- A: Hot Water Input
- B: Hot Water Output
- C: Pressure Gauge

4-10X20



TECHNICAL Specifications

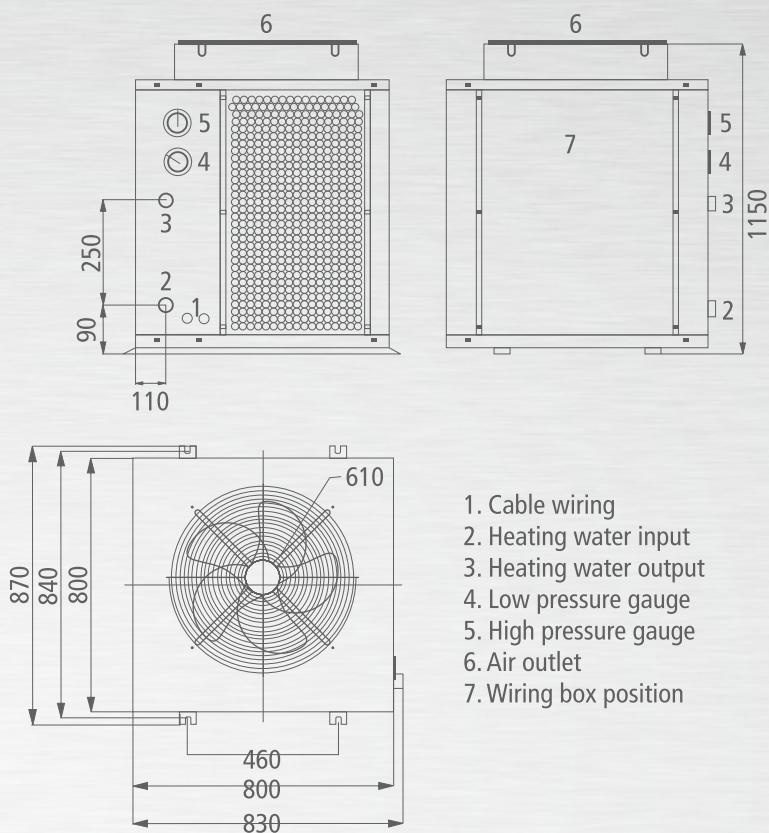


R HPWH 21TP
R HPWH 44TP

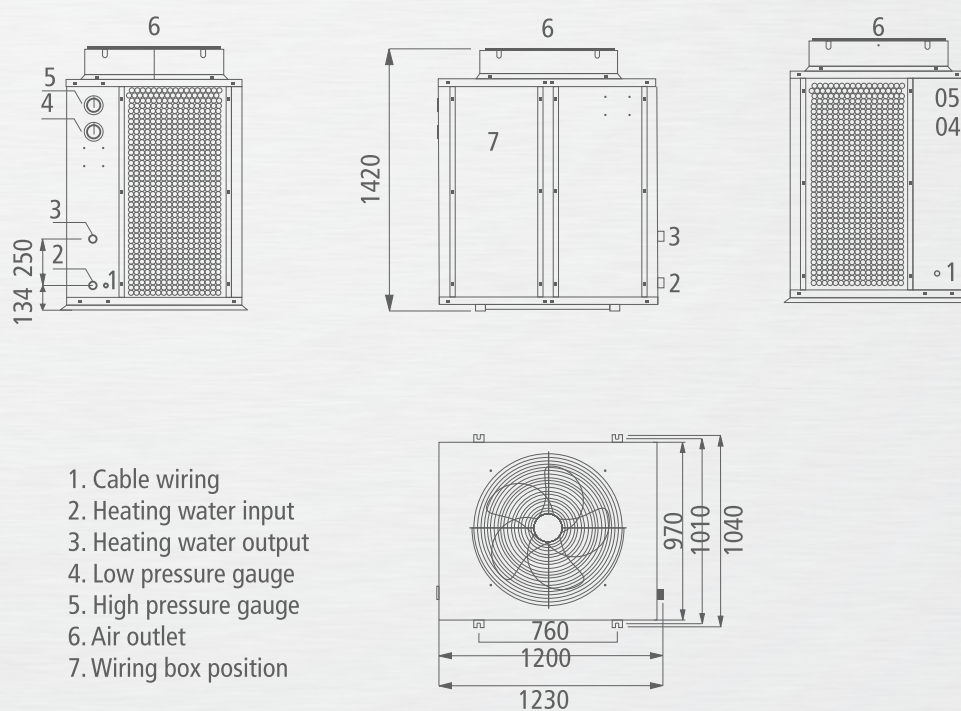
PARAMETERS		SPECIFICATIONS	
Model / Model		R HPWH 21TP	R HPWH 44TP
Power Supply	(V/ph)	380/3	380/3
Frequency	Hz	50	50
Rated Heating Power Output	kW	21.1	43.8
Rated Heating Power Input	kW	5.26	11.15
Water Production	L/h	452*	938*
Refrigerant / Weight	gram	R417A/3900	R417A/3700*2
Required Water Flow Rate	(m3/h)	4	8
Pressure Loss	kPa	60	75
Max. Operation Current	Amp	14	29
Max. Suction / Discharge Pressure	MPa	1.2/2.8	1.2/2.8
Max. Heat Exchanger Pressure	MPa	2.8	2.8
Water Connection Size		G1"	G1-1/4"
Level Against Electric Shock		I	I
Water-proof Grade		IPX4	IPX4
Noise	dB(A)	≤60	≤62
Net Weight	kg	160	290
Net Size	mm	830×850×1120	1230×1040×1420
Operation Temp. Range	°C	-10~45	-10~45

*Testing in condition of Ambient temp 30°C, 50% RH, water temp inlet 25°C/outlet temp 55°C

R HPWH 21TP



R HPWH 44TP



Racold Heat Pump Water Heater APPLICATIONS



FAST FOOD
CHAINS



VILLAS



CORPORATE
CANTEENS



HOTELS



APARTMENTS



BUNGALOWS



INDUSTRIAL



HOSPITAL



GYM



SPA



SWIMMING
POOL HEATING

Customer's SPEAK

From amongst thousands of our happy customers, here's what one has to say:

"We are pleased to partner with Ariston Thermo India mainly because of three reasons:

“

BELIEF IN THE BRAND

Globally and locally both Ariston and Racold are the biggest water heating solutions brands and we at Max India were confident of partnering with the most trusted water heater brand.

”

“

CUSTOMIZATION

We are very happy with the tailor-made solutions that Racold provided us.

”

“

TEAM WORK AND SERVICE

Despite being a long turnkey project, the 24X7 support extended by Racold's sales and service team for installation, usage and maintenance is much appreciated.

”

Mr. Gyanendra Pratap Singh
Head Procurement & Contracts, Max India

REBORN EVERY DAY WITH HOT WATER

The latest range of water heaters reborn
with leading-edge technology and innovative features.



Delivering excellence in water heating since 60 years

www.racold.com |    





**Winner of highest
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Conservation Awards.**



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After Sales-service: We also recommend the use of genuine Racold spare parts. Any query will be responded to within 48 hours.
Racold is a registered trademark of Ariston Thermo Spa, Italy.

For enquiries call or write to us:

Mr. Shashikant Garud (Commercial Sales)

Mobile No: 9922964249 Email: shashikant.garud@aristonthermo.com



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Email Id: customer.care@racold.com or Visit www.racold.com

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