

realheat

**ALL
SEASON
HOT
WATER**

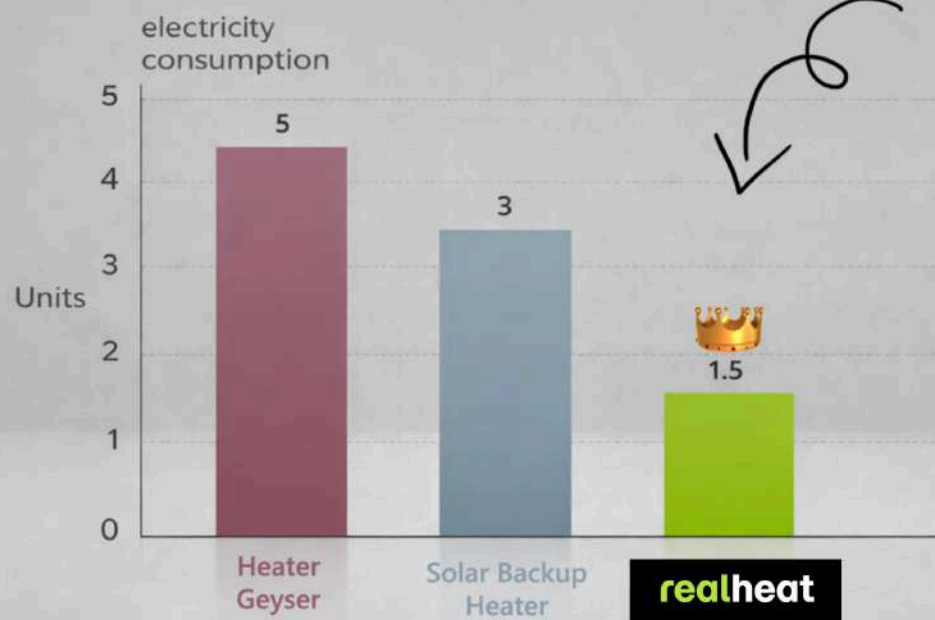


Our Range :

A True **Air-Source** Heat Pump Not a Disguised Electric Geyser



Electricity Consumption per 100 Liters of 🔥 Hot Water



For every 100 liters of hot water, **realheat** Heat Pumps deliver unmatched efficiency. While a conventional heater/ geyser consumes 5 units and a solar backup heater uses 3 units of electricity **realheat** requires just 1.5 units, resulting in up to 70%^ electricity savings. Smart, sustainable and cost-effective hot water at 70% discount for all seasons !

	Energy Source	Efficiency (COP)	Cost per 100 Ltr of water (to increase the temperature by 30°C)	Economic and Ecological Analysis
Heat Pump	Air to Water with Help of Electricity	3.5 - 4.5	Residential : 1.5 Units x 8 Rs. = 12 Rs. Commerital : 1.5 Units x 15 Rs. = 22 Rs.	Highly Economical and Eco-friendly
Electric Geyser	Electricity	1.2 - 1.5	Residential : 5 Units x 8 Rs. = 40 Rs. Commerital : 5 Units x 15 Rs. = 75 Rs.	Costly with Significantly high electricity consumption
Diesel Boiler	Diesel	1.5 - 2.0	~ 0.5 Ltr x ~ 100 Rs. = ~ 50 Rs.	Moderate to Costly with Significantly high emission

^ 70% less electricity consumption compared to conventional water heaters

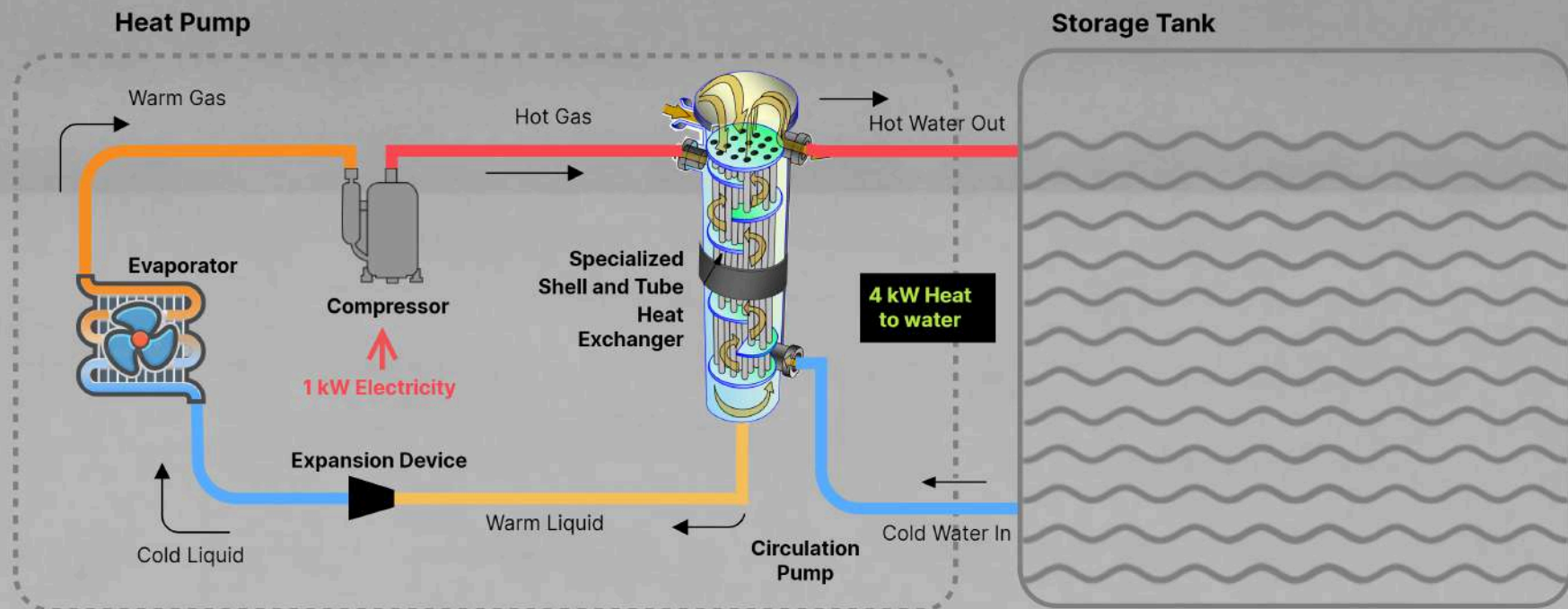
What is a Heat Pump ?

A heat pump water heating system is an energy-efficient way to heat water. Think of it like a reverse refrigerator, Instead of making heat like a traditional heater, it uses heat already present in the air compress it and transfers it to the water.

RealHeat Heat Pump uses a Specialized shell and tube heat exchanger, made with stainless steel, copper-nickel alloy material. This advanced technology allows the heat pumps to work efficiently even with hard water and scaling caused by hot water greatly enhancing heat transfer from natural air to water

How does it work?

- It absorbs heat from the surrounding air.
- Compresses it to usable high grade heat with the help of electricity.
- Moves that heat into the water tank.
- In this process uses much less electricity because it is not creating heat from scratch.



Key Features :



Optimized for hard water, ensuring reliable performance with all types of water.



Up to 70% lower operating costs compared to conventional electric heaters.



Smart water circulation technology delivers consistently even water temperature.



Specialized shell & tube heat exchanger, made with stainless steel, copper-nickel alloy material.



Set Temperature Digitally up to 65°C, and Daily ON and OFF Timer.



Food-grade SS 304 inner body and SS 202 grade exterior body.



Efficient and environmentally friendly refrigerant.



5 Year Warranty on Stainless Steel Tank.



10 Year Warranty on Heat Exchanger.



Heavy-duty stainless steel body designed for durability in all environments.



No resistive heater;
100% heating through heat exchange.



50 mm high-density PUF insulation ensures better insulation and heat retention.



Separate storage tank for flexible and upgradeable installation.



Separate and openable storage tank makes maintenance easy.



		RH 25	RH 50	RH 100	RH 150	RH 200	RH 300	RH 500	RH 700	RH 1000
Heating Capacity per 12 Hours		250 Litre	500 Litre	1000 Litre	1500 Litre	2000 Litre	3000 Litre	5000 Litre	7000 Litre	10000 Litre
Heating Capacity per Hour		25 Litre	50 Litre	100 Litre	150 Litre	200 Litre	300 Litre	500 Litre	700 Litre	1000 Litre
Ideal for no. of people	Regular 4-6 inch Shower	3	6	15	30	40	60	100	150	200
	Rainfall 8-12 inch Shower	1	2	5	10	12	20	-	-	-
Compressor Capacity		0.5 Hp	1 Ton	1.5 Ton	2 Ton	1.5 Ton x 2 = 3 Ton	2 Ton x 2 = 4 Ton	2 Ton x 3 = 6 Ton	5 Ton x 2 = 10 Ton	7.5 Ton x 2 = 15 Ton
Input Power		0.5 KW	0.8 KW	1.25 KW	1.75 KW	2.5 KW	3.5 KW	5.25 KW	10 kW	12 KW
Output Power (Heating Capacity)		2 KW	3.2 KW	5 KW	7 KW	10 KW	14 kW	21 KW	40 KW	48 KW
Max. Input Current		3 A	5 A	8 A	10 A	8 A x 2 = 16 A	10 A x 2 = 20 A	10 A x 3 = 30 A	8 A x 2 = 16 A (Per Phase)	12 A x 2 = 24 A (Per Phase)
Operating Voltage		220V - 50 Hz (1 Phase)				220 V / 440V			440V - 50 Hz (3 Phase)	
Storage Tank Capacity	Pressurised Stainless Steel	-	200 Litre	300 Litre	500 Litre	1000 Litre	1000 Litre	2000 Litre	2000 Litre	2000 Litre
	Stainless Steel Puff Insulated	100 Litre	200 Litre	300 Litre	500 Litre	500 / 1000 Litre	1000 Litre	2000 Litre	As per Customer's Requirement	
	FiberGlassWool Insulated PVC	100 Litre	200 Litre	300 Litre	500 Litre	500 / 1000 Litre	1000 Litre	2000 Litre	As per Customer's Requirement	
Compressor		Scroll / Rotary Type DANFOSS / LG / HITACHI / PANASONIC / COPELAND								
Refrigerant		R134a / R404a / R407a / R22 / R32 / R410								
Heating Element		NO RESISTIVE HEATING ELEMENT (On customer demand , we provide a heating element for standby mode with a seperate temperature controller)								
Heat Exchanger		Specialized shell and tube heat exchanger (made of stainless steel copper-nickel alloy materials)								
COP		4 (from 10°C to 45°C) 3 (from -7°C to 45°C)								
Circulation Pump		Yes (Included)								
Warranty		Compressor : 1 Year Heat Exchanger : 10 Years Stainless Steel tank : 5 years								

Other available models RH 1500 , 2000 , 3000 , 5000 , 10000 also as per Customer's Requirement

realheat

Formerly known as



realheat

REALHEAT VENTURES LLP

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