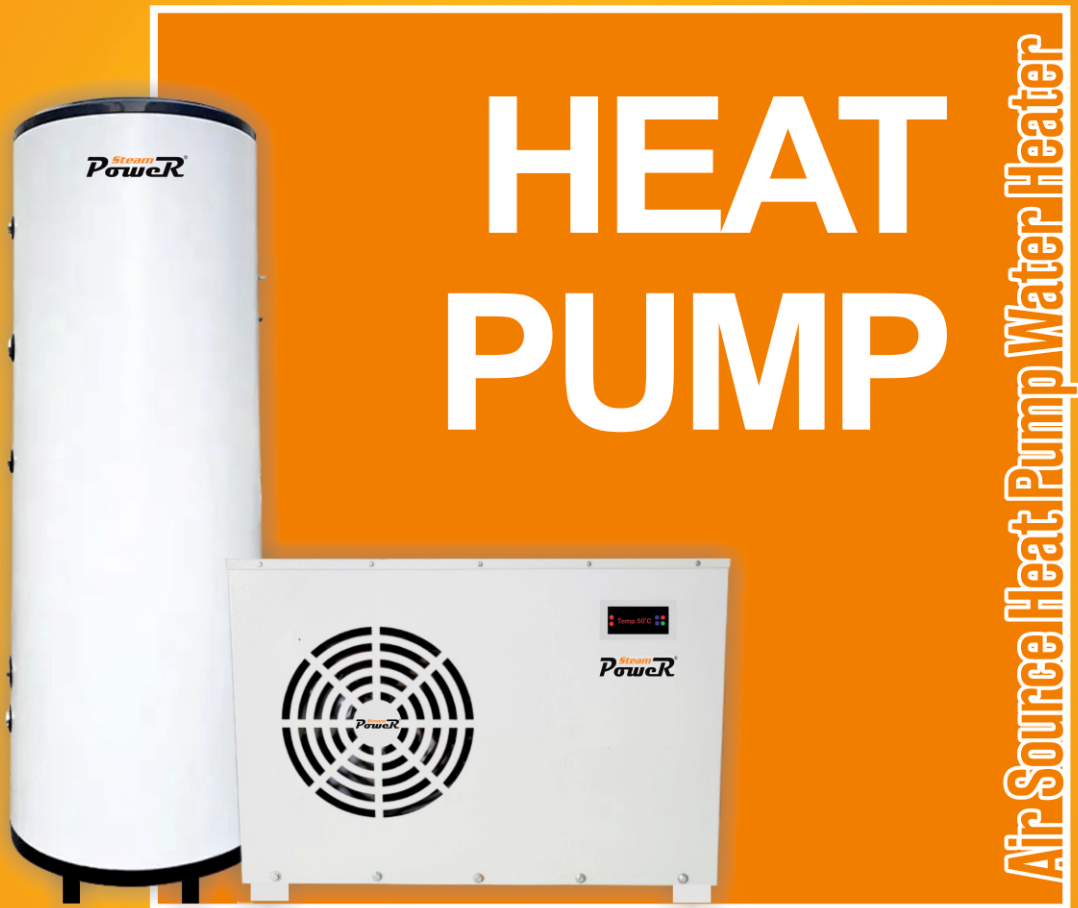


# Steam Power<sup>®</sup>

SOLAR WATER HEATER • SOLAR ROOF TOP • HEAT PUMP



# HEAT PUMP

Air Source Heat Pump Water Heater

**FIT AND FORGET**

HEAT PUMP

## Air Source Heat Pump Water Heater (ASHPWH)

Running hot water, in recent times has become a necessity more than a luxury. An Air Source Heat Pump Water Heater (Heat Pump) from Steam Power is the go-to solution for readily available hot water. Our Heat Pump work even when the outside temperature is way less than zero degrees Celsius. They are energy efficient and save on fuel cost as the heat is absorbed from the atmosphere. Like every other product from Steam Power, the smallest detail has been looked at to make sure that only the best product reaches our valuable customer.

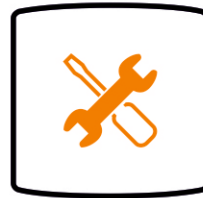
Steam Power heat pump water heaters are usually said to be "fit and forget" units. If you have bought a Steam Power heat pump water heater, rest assured, you have bought arguably the best product in its category with best in class features in safety, power saving and environment protection.



**Lower  
Operating Cost**



**Environmental  
Friendly Refrigerant**



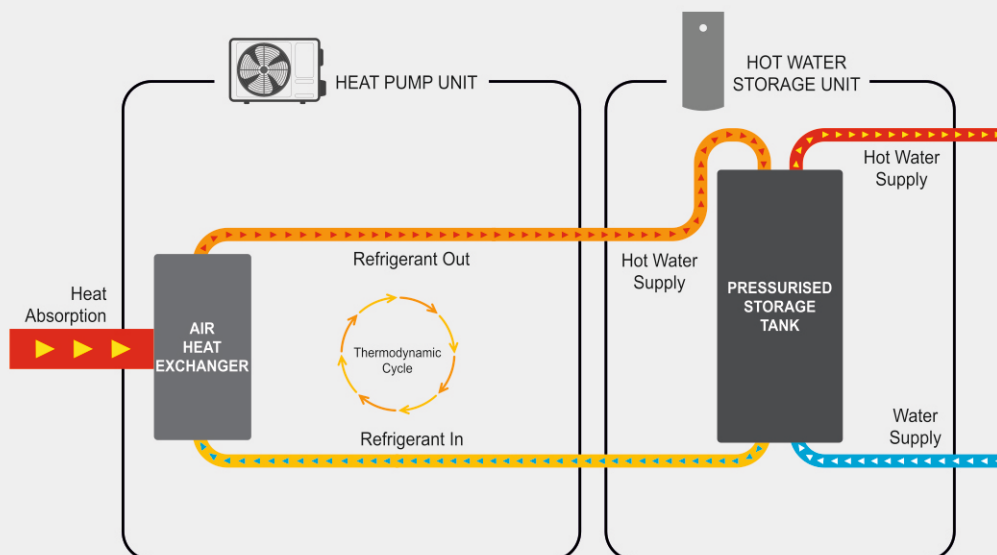
**Less  
Maintenance**



**Silent  
Operation**

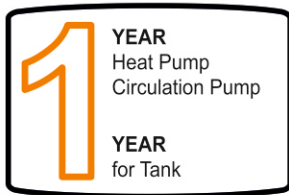
## Working Principle - Heat Pump Water Heater:

The heat pump makes use of a refrigerant for its operation. The low temperature refrigerant absorbs free heat from the atmospheric air in the evaporator is compressed by a highly efficient electrical compressor to a high-temperature and high-pressure vapour refrigerant. This vapour is then passed through a heat exchanger (condenser) to transfer the heat to the water in the storage tank to produce hot water. The refrigerant then passes through an expansion valve and it goes back to the evaporator for absorbing the free heat from the atmospheric air again and the cycle is repeated.



## Features

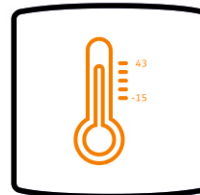
- A new technology CK-1 Ceramic coated inner tank ensures greater corrosion resistance against hard water.
- Environmental friendly refrigerant: our heat pumps only use environment friendly R22 refrigerant.
- Steam Power ASHPWHs provide constant temperature output ranging from 48-52 Degree Celsius.
- Steam Power ASHPWHs come integrated with high pressure protection systems that ensures safety.
- Steam Power ASHPWHs operates on vast range of temperature variation ranging from -10 to 45 Degree Celsius.
- Steam Power ASHPWHs comes equipped with a water resistant body. They are coated with an anti-corrosive coating that ensures long lasting maintenance free operation.
- Our systems are easy to install and backed by hassle free service.
- CK-1 Coated storage tank to perfectly suit all kinds of water.
- 60% energy saving as compared to electric water heaters.



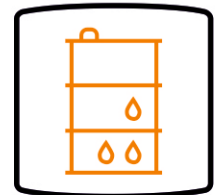
Warranty



Suitable for All Kinds of Water



Suits for Wide Range of Climatic Variations



CK-1 Ceramic Coated Inner Tank

## Specifications

### Product

Model	SP-HP 300	SP-HP 500	SP-HP 750	SP-HP 1000	SP-HP 2000
Tank volume (L)	300	500	750	1000	2000
KW	3.5	5.2	7.0	10.5	17.5
Ton	1	1.5	2	3	5
Power Consumption Per Hour	2 units	3 units	4 units	7 units	10 units
Duration (at 28° Cold water)	2.5 hours	2.5 hours	2.5 hours	3.5 hours	4.5 hours
Production Capacity (LPH)	120	200	300	400	450
Backup electric heater (W)	1500	1500	1500	1500	1500
Power supply	220~240V/1/50Hz	220~240V/1/50Hz	220~240V/1/50Hz	220~240V/1/50Hz	220~240V/1/50Hz
Refrigerant	R22	R22	R22	R22	R22
Max water temperature (°C)	52	52	52	52	52
Noise (db)	≤48	≤48	≤48	≤48	≤48
Inner tank Material	CK-1 coated MS 5.0 mm	CK-1 coated MS 5.0 mm	CK-1 coated MS 5.0 mm	CK-1 coated MS 5.0 mm	CK-1 coated MS 5.0 mm
Water Inlet/outlet size	1"	1"	1"	1"	1"
Insulation thickness (mm)	70	70	70	70	70
Tank net weight (Kg)	130	180	240	290	550
Working temperature (°C)	-10~45	-10~45	-10~45	-10~45	-10~45
Max. Operating Pressure	5 Kg	5 Kg	5 Kg	5 Kg	5 Kg

Condition: Heating Capacity at Air 30°C to 35°C Water Temperature from 32°C/50°C

## Heating Cost Comparison

Heating Load (Liters)	300 L	500 L	750 L	1000 L	2000 L
Heat Pump Water Heater (Electricity)	18	30	45	60	120
Electric Geyser	65	110	163	216	435
Boiler	62	103	155	207	413
Gas Geyser	78	130	195	260	520



## Available Capacity

SP - HP 300  
300 Ltr.

SP - HP 500  
500 Ltr.

SP - HP 750  
750 Ltr.

SP - HP 1000  
1000 Ltr.

SP - HP 2000  
2000 Ltr.

**FIT  
AND  
FORGET**

HEAT PUMP

We are also Dealing in  
SOLAR WATER HEATER • SOLAR ROOFTOP

Manufactured By :

**STEAM POWER ENERTECH PVT. LTD.**

Rajkot, Gujarat. (India)

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Power<sup>®</sup>**

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