

# ENERGY EFFICIENT WATER HEATING

HEAT PUMP WATER HEATERS



AN ENERGY  
EFFICIENT  
ADDITION TO  
YOUR HOME

DRIVEN  
BY PURE  
PERFORMANCE

A gift from the Himalayas, the Zānskar River is a source of life, and a symbol of purity and never ebbing energy. That's the stuff we're made of – **Pure Performance.**

At a time of global change, we believe that water, air and energy are integral to life and that these can and should be made accessible to everyone, in its purest form.

We bring you a range of products and solutions for the home which are designed in India placing highest importance on performance and customer experience.

And like the Zānskar valley, with conservation in mind, we acknowledge the beauty and fragility of the ecosystems we live in and promise to enhance ones quality of life with thoughtful products and services.



**ZĀNSKAR**  
PURE PERFORMANCE



ZANSKAR  
HOTSPRING™

## HEAT PUMP WATER HEATER

- Air To Water
- All in one - 300 L
- Hot water for your entire home

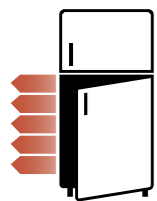
## What is a heat pump really?

It is a renewable energy water heating appliance which saves upto 75% of power.

A highly efficient product, an air to water heat pump works all year around unlike other renewable energy products.

It uses the energy in the air to heat water by means of a refrigerant or via a vapour compression cycle.

## Think of it as a refrigerator, but in reverse.



While a refrigerator extracts heat from food that's inside and transports it to the heat exchanger, a heat pump collects heat from the air and rises the temperature of the refrigerant, which passes heat to the heat exchanger and heats up water. And after passing on the heat, the temperature of the refrigerant drops again, enabling it to absorb heat again, repeating the cycle.



## Why heat pumps are the best choice for heating water for your entire home?

### Indoor or outdoor installation



### Environment Friendly with High Energy efficiency



Uses no Ozone depleting gases

### Works in all weather conditions



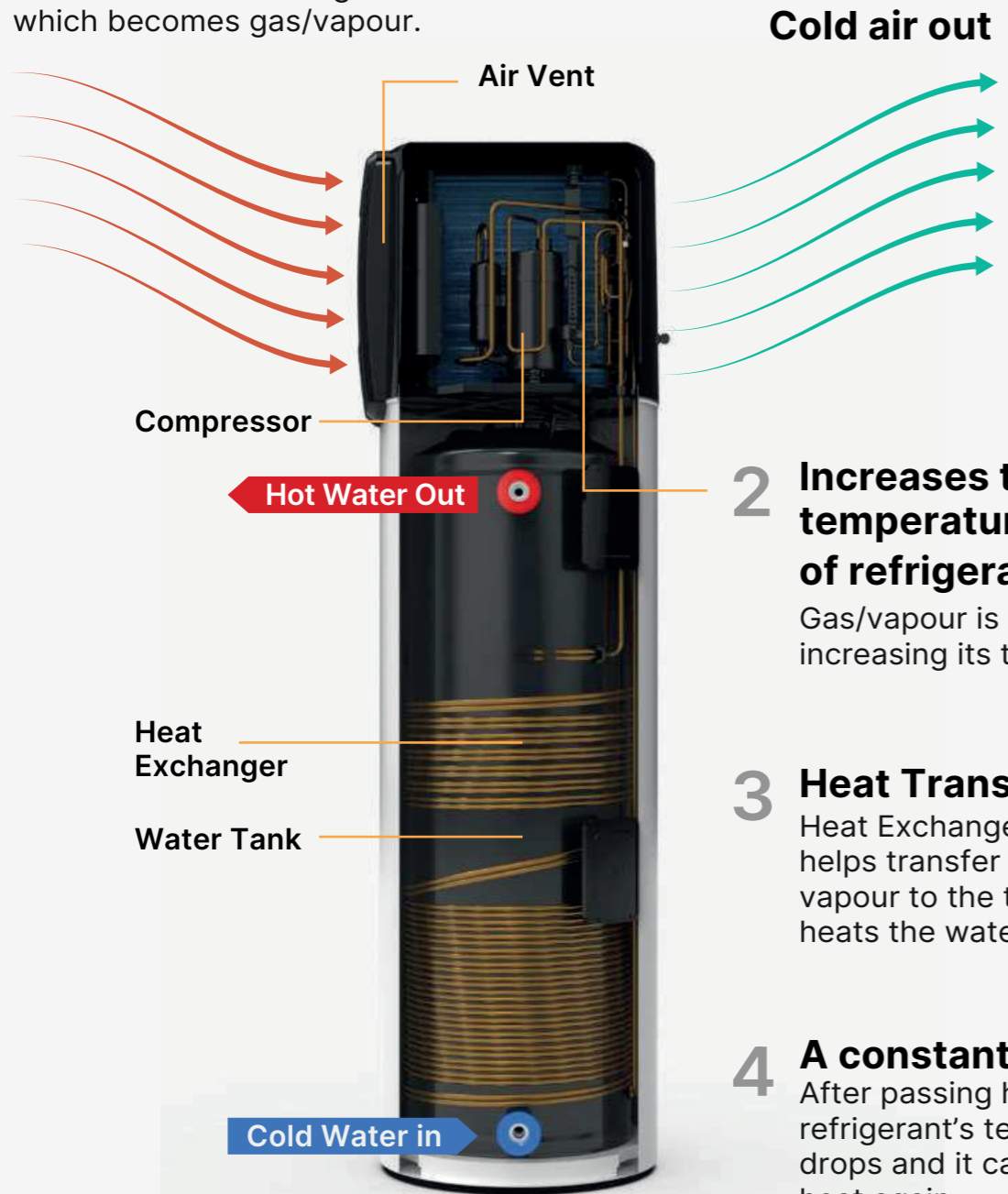
### Easy to Install & Operate

### Low Maintenance & running cost



# How does a heat pump work?

**1 Collects hot surrounding air in**  
Pulls warmth from the air and transfers it to the refrigerant which becomes gas/vapour.



**2 Increases the temperature of refrigerant**  
Gas/vapour is compressed, increasing its temperature.

**3 Heat Transfer**  
Heat Exchanger (Condenser) helps transfer heat from the vapour to the tank which heats the water

**4 A constant cycle**  
After passing heat, the refrigerant's temperature drops and it can absorb heat again.

# Why the Zanskar Hotspring™ heat pump?

**75% Energy Saving**

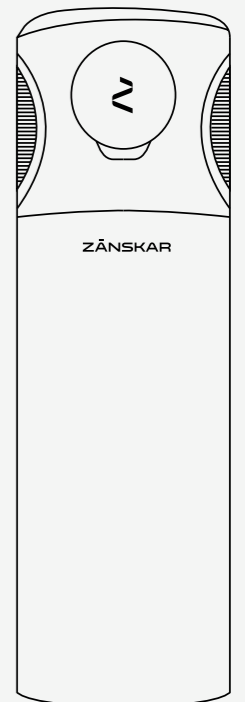
## Ideal for

- Individual Homes
- Large Apartments
- Small Commercial Spaces



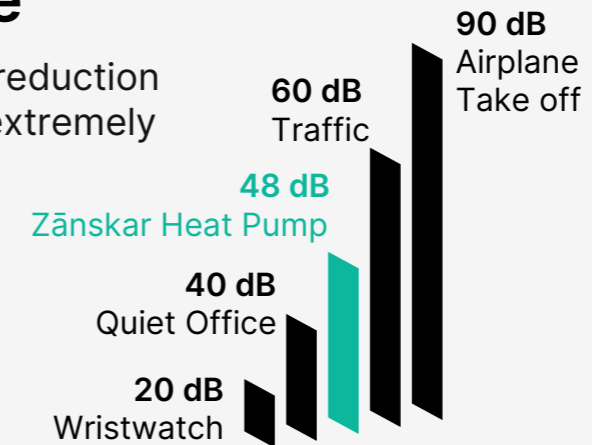
## All In One

Single unit. No separate compressor and tank



## Low Noise

All-in-one noise reduction design ensures extremely quiet operation.



## Intelligent Controller

3 heating Modes

- Standard
- Eco
- Intelligent

**Plug and Play**

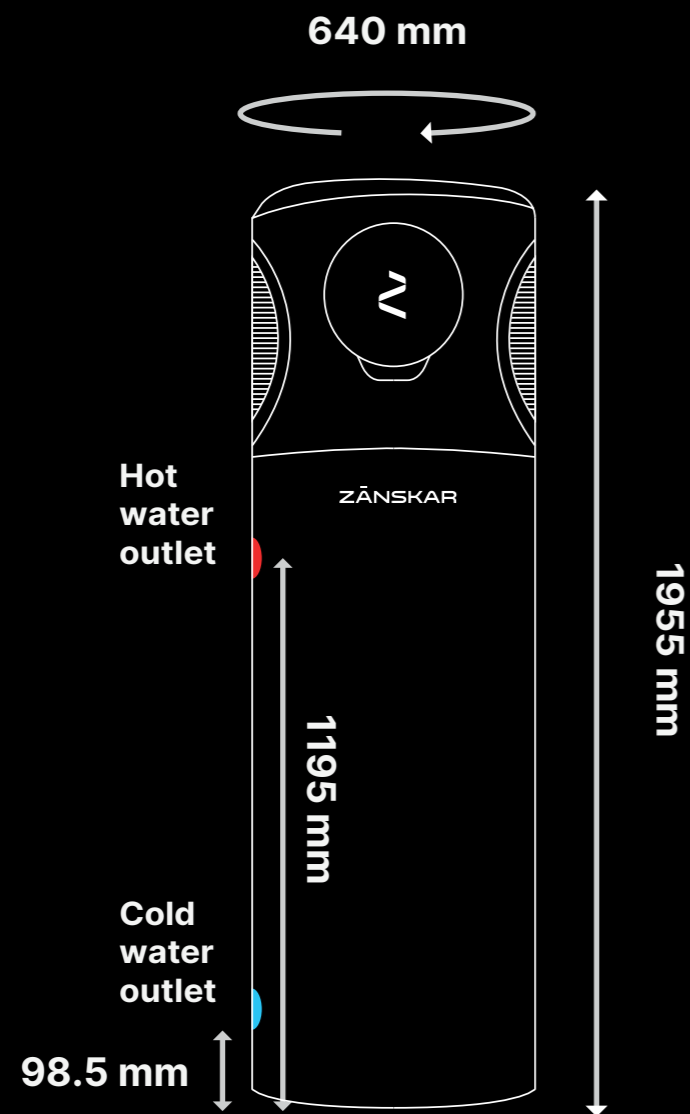
Rotary Compressor from **HITACHI**

## International Certifications

Compliant with Australian Standards.



# Dimensions & Connections



# Technical data

## HSHPM300

|   |                 |
|---|-----------------|
| Nominal capacity                                | 300 Litre       |
| Outer diameter                                  | 640 mm          |
| Weight (when empty)                             | 129 kg          |
| Weight (filled)                                 | 429 kg          |
| Height  | 1995 mm         |
| Cylinder material                               | Enamelled Steel |
| Operating Air temperature range (HP Mode)       | -5° to 43°C     |
| Maximum pressure                                | 8.5 bar         |
| Max. Hot water temperature (HP+ back up heater) | 60°C            |

## Electrical/Power Specifications

|  |             |
|--|-------------|
| Rated Input - HP mode                      | 0.9kw       |
| Heating Output - HP mode                   | 3.6 kw      |
| Electrical back up                         | 1.5 kw      |
| Rated Input - HP + back up                 | 2.4 kw      |
| Heating Output HP+ back up                 | 5.1 kw      |
| Running Current (including back up heater) | 12 Amps     |
| Voltage and Frequency                      | 230V - 50Hz |

## Others

|   |        |
|---|--------|
| Refrigerant type  | R 134A |
| Sound power level   | 48dB   |
| Coefficient of performance (COP)                          | 4.0    |
| Hot water generation per hour Hp Mode ( 35 degrees delta) | 90 LPH |
| Heat Up Delta per hour – Heat Pump Mode                   | 11.4°C |
| Heat Up Delta per hour – with Back Up                     | 16.2°C |
| IP Rating   | IPX4   |
| Water Inlet / Outlet size                                 | 3/4 "  |



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