

# HEAT PUMP

 **Smart Heating**



**Intelligent · Effective · Sustainable**

## Key Features

### Smart IoT Control System



Control temperature, schedule timers, monitor energy and water consumption remotely

### In-built Circulation pump



Efficient water flow between heatpump and storage tank for faster heating and consistent performance

### Premium Aluminum Body



Durable, corrosion-resistant construction with a sleek premium finish for long-lasting reliability

### Built for Sustainability



**R410 green refrigerant** offers zero ozone depletion potential (ODP), helping reduce environmental impact.

### Low-Noise Operation



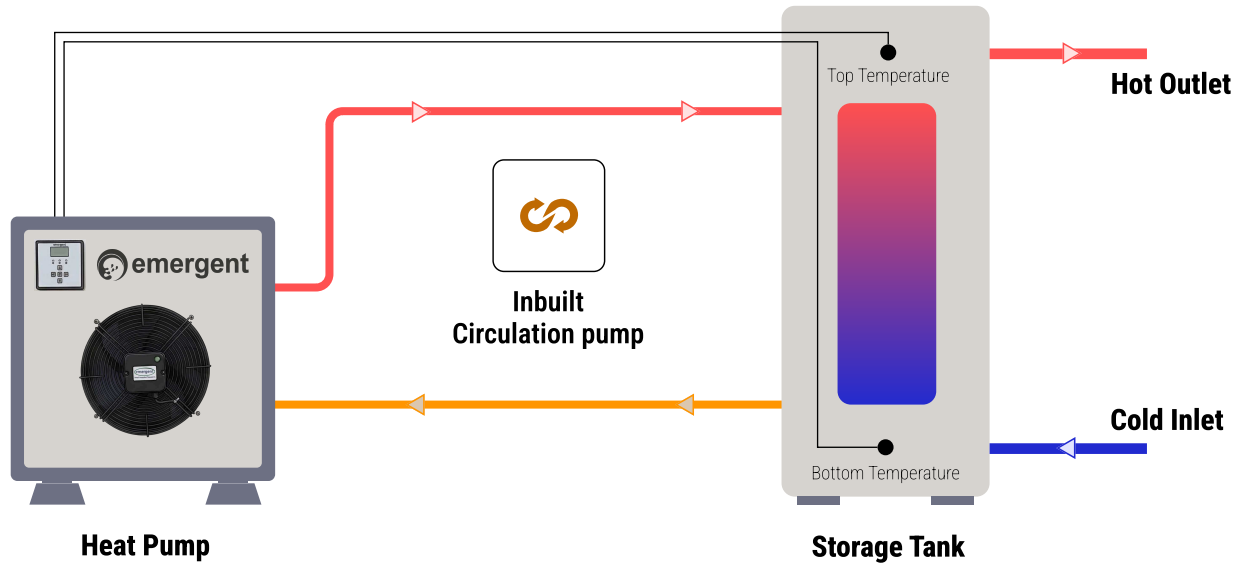
Designed for quiet operation, ensuring comfort without unwanted noise

### Low Operating Cost



Consumes less electricity, helping lower monthly bills without compromising performance

## ThermoStrata Technology

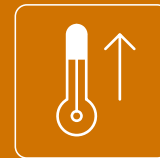


Our heat pump features an **inbuilt circulation pump** that further enables:



### Simplified Installation

The integrated pump eliminates the need for external circulation systems. Simply connect the plumbing to the tank and sensors and the system is ready to operate.



### Inline Heating Effect

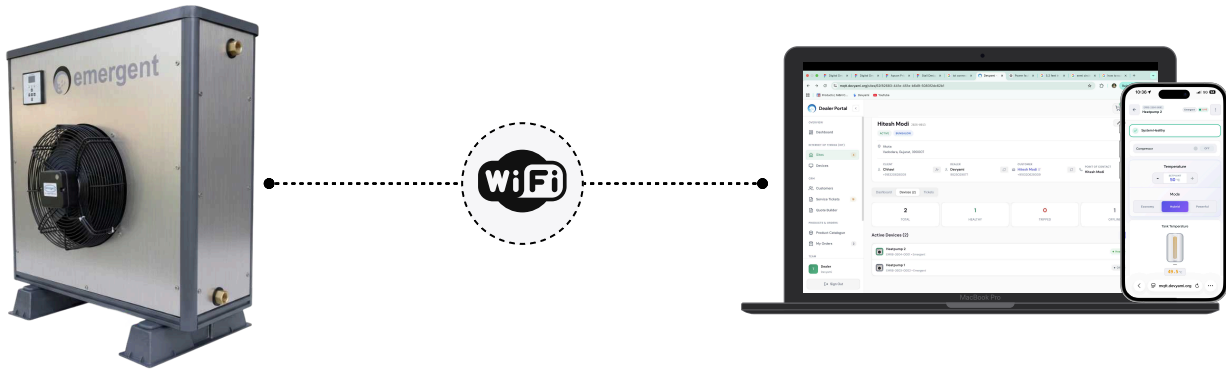
System ensures the upper zone of the tank is maintained at a higher temperature, allowing immediate hot water usage without waiting for the entire tank volume to heat up.

# HEAT PUMP

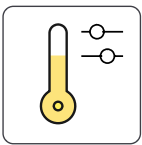
Smart Heating



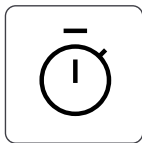
## Smart IoT Enabled



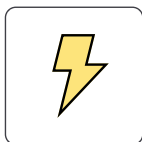
### User Convenience



**Temperature Control**  
With three modes:  
economy, hybrid, powerful

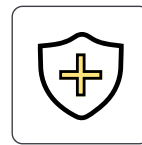


**Timers & Schedulers**  
Set heating schedules in  
advance to match daily  
routines



**Energy Monitoring**  
Track energy consumption  
in real time and manage  
usage more efficiently

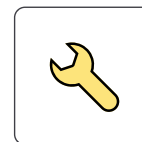
### Preventive Maintenance



**Compressor Health**  
Track compressor  
performance to help detect  
issues early

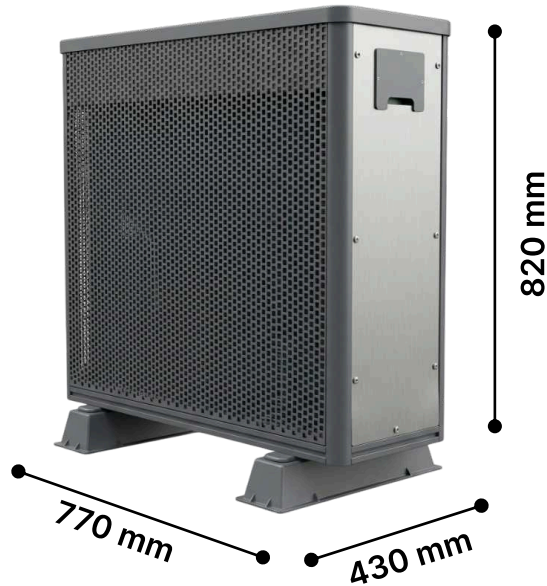


**Gas Pressure**  
Monitor refrigerant  
pressure levels for timely  
service intervention



**Scale Formation**  
Identify scale build-up  
trends early to support  
preventive maintenance

## Specifications



Model	EMRA   EMRB   EMRC
Input (kW)	0.7 kW   2 kW   5 kW
Max Heating Output (kW)	3.2 kW   9 kW   22.5 kW
COP	3.5 - 4.5
Supply Voltage	230V, 50 Hz
Operational Ambient Temperature	-5 °C - 50 °C
Operating Pressure	< 8 Bar
Max Hot Water	60 °C
Operational Noise	< 48 dB
Built Material	Aluminum Premium Matte Finish
Refrigerant	R410

## Storage Tanks



Longer Heat retention



Stainless Steel



Light weight



### Premium Stainless Steel Tanks

Our premium stainless steel tanks are the ideal choice for hot water storage, made from high grade SS 304 for excellent heat retention, durability and a lightweight build. They also come with options for top and bottom temperature sensing, and are available in various sizes with custom options up to any volume.

### Still doesn't fit your requirements?

Our heat pumps are compatible with any standard storage tank, the system allows seamless integration with third-party or existing setups, offering maximum flexibility across a wide range of applications.

## Engineered for Real Refrigeration

- ▶ Maximum heat extraction from ambient air as the primary energy source
- ▶ Not dependent on heaters when performance drops
- ▶ No hidden power consumption behind backup systems
- ▶ Built for actual savings, not brochure numbers
- ▶ Engineered for high COP performance with consistently lower power consumption



Heater Backup  
(Optional)



Max Refrigeration  
Input Power  
2.0 kW



## Pioneers & Proudly Indian



- ▶ Manufacturing heat pumps since 2008
- ▶ Over 18 years of expertise in thermal engineering
- ▶ Solutions engineered for efficiency and Indian operating conditions
- ▶ Among the first to integrate IoT capabilities into heat pump systems

**“Built in India, Engineered for India”**



Our vision is to revolutionize hot water industry with smart, efficient, and reliable solutions that simplify control, conserve resources, and preserve everyday luxury.



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