

# Air-to-Water Heat Pump with Inverter Technology

This R32 Inverter EVI Heat Pump is cost-effective and can be used in extremely cold areas with climate temperatures as low as -25 for heating/cooling and domestic hot water. Inverter EVI technology allows for a wide operating temperature range.

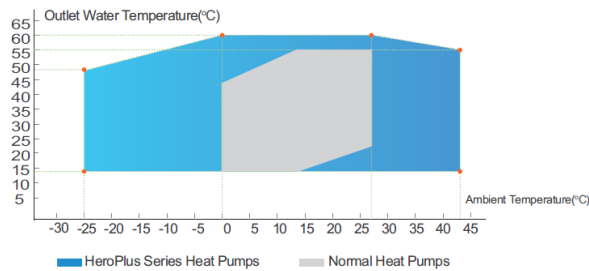


## Overview

### High-Efficiency R32 Inverter EVI Heat Pump

This Air-to-Water Heat Pump utilizes advanced Inverter EVI technology to provide reliable heating, cooling, and domestic hot water even in extreme climates as low as -25°C. Designed for both residential and commercial applications, it features eco-friendly R32 refrigerant and an intelligent defrosting system to maximize energy efficiency. The unit is equipped with a smart colorful touch display for precise temperature management and a user-friendly experience.

## Performance



The HeroPlus series maintains higher outlet water temperatures in extreme cold compared to standard heat pumps.

### Operating Performance

**-25 °C**

Min Ambient Temp

**0.5 °C**

Control Precision

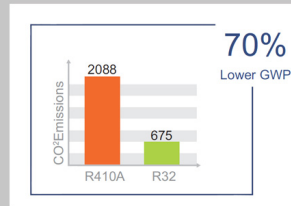
### Outlet Water Temperature Range

Ambient Temp (°C)	Max Outlet Temp (°C)
-25	45
-15	55
7	60
35	65

### Application Modes

House Heating, House Cooling, Domestic Hot Water

## Environmental Impact



R32 refrigerant significantly reduces CO2 emissions and offers a 70% lower Global Warming Potential.

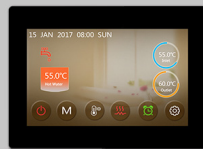
### Refrigerant

R32

### Eco-Friendly R32 Technology

The R32 refrigerant used in this system has a Global Warming Potential (GWP) that is two-thirds lower than traditional refrigerants like R-22 and R-410A. This significantly reduces CO2 emissions and environmental impact, meeting modern sustainability standards.

## Control System

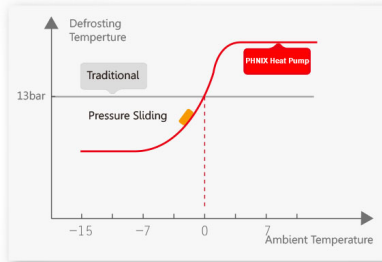


The 5-inch touch display provides real-time monitoring of water temperatures and system status.

### Smart Interface Features

- 5-inch smart colorful touch display
- Wall-mounted installation
- Water temperature curve display
- Easy timing functions
- One-key mute mode
- Real-time inlet/outlet monitoring

## Advanced Technology



Intelligent pressure sliding defrosting optimizes performance across varying ambient temperatures.

### Intelligent Defrosting

The system utilizes pressure sliding technology to determine the exact defrosting time based on real ambient temperatures. This prevents unnecessary cycles, saves energy, and ensures the heat pump maintains high efficiency during winter operation.

**Defrosting Technology**

Pressure sliding defrosting technology