

# Energy Recovery Water Source Heat Pump

This high-efficiency water source heat pump unit is designed for energy recovery. It uses water as a heat source and sink, providing efficient heating and cooling for sustainable and cost-effective climate control.



## Overview

### High-Efficiency Energy Recovery System

This water source heat pump utilizes advanced energy recovery technology to optimize performance for both air conditioning and hot water demands. It offers versatile operation with five distinct modes, including dedicated refrigeration, heating, and simultaneous hot water production. Designed for reliability and efficiency, the unit provides significant energy savings compared to standard air-cooled systems.

## Performance Metrics

### Refrigeration Efficiency Ratio

**5 ratio**  
EER

### Efficiency vs Air Cooled

60%-70% higher efficiency than general air cooled units

## Operational Capabilities

### Available Modes

Refrigeration, Heating, Hot Water, Refrigeration + Hot Water, Heating + Hot Water

### Max Hot Water Temperature

65 °C

### Defrosting Required

No

## Design & Installation

### Ideal Applications

- Villas
- Luxury Buildings

### Key Design Features

Compact Structure • Simple Installation • Reliable Compressor • Stable Operation