

# Energy Recovery Water Source Heat Pump

This energy recovery type water source heat pump unit is designed for efficient heating and cooling by utilizing a water source. It offers energy savings and environmental benefits by recovering and reusing energy.



## Overview

### High-Efficiency Energy Recovery System

This advanced water source heat pump utilizes innovative energy recovery technology to optimize both air conditioning and hot water production. Designed for high efficiency, it significantly outperforms standard air-cooled units by 60-70% in refrigeration energy efficiency. The system ensures reliable, stable operation with the ability to provide hot water up to 65°C, making it an ideal solution for luxury buildings and villas.

## Performance Metrics

### Refrigeration Efficiency Ratio

**5**  
EER

### Maximum Hot Water Temperature

65 °C

## Operational Features

### Available Operating Modes

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

### Winter Operation

Defrost-free operation with continuous heating

### Summer Performance

Stable water system temperature unaffected by ambient conditions

## Design & Installation

### Design Advantages

- Compact structure
- Simple installation
- High-efficiency compressor
- Reliable operation

### Recommended Applications

Villas • Luxury Buildings