

Air Source Heat Pump Water Heater System

This air source heat pump water heater system consists of an outdoor unit and an indoor water tank. The outdoor unit extracts heat from the air and transfers it to the water tank, providing energy-efficient water heating.



Overview

Energy-Efficient Water Heating Solution

This air source heat pump water heater system consists of a high-performance outdoor unit and an indoor water tank designed for both residential and commercial applications. By utilizing a refrigerant cycle to extract heat from ambient air, the system provides a reliable and cost-effective hot water supply. It offers significant energy savings compared to traditional electric or gas heaters while ensuring consistent performance and durability.

System Configuration

System Components

- Outdoor heat pump unit
- Indoor water tank

Performance

Efficiency Profile

Energy-Efficient • Cost-Effective • Sustainable

Heating Mechanism

Refrigerant cycle heat absorption from ambient air

Applications

Suitable Applications

Residential, Commercial

Key Features

Core Benefits

- Significant energy savings over gas/electric heaters
- Consistent hot water supply
- Durable design for long-term performance
- Environmentally friendly heat extraction