

Solar Heat Pump System for Heating and Cooling

This high-efficiency solar heat pump system is designed for both residential and commercial applications. It combines solar thermal collectors with a heat pump to provide heating, cooling, and domestic hot water.



System Overview

High-Efficiency Solar Integrated Climate Control

This advanced solar heat pump system provides versatile heating and cooling solutions for residential and commercial environments. By integrating solar energy assistance, the system achieves exceptional performance and energy efficiency compared to traditional units. It features a robust split-system design, ensuring quiet operation and precise temperature control for optimal indoor comfort.

Performance Metrics

Capacity and Input

24000 Btu/h

Cooling Capacity

24000 Btu/h

Heating Capacity

4000 W

Solar Auxiliary Heating

2250 W

Rated Input

Technical Specifications

Electrical Characteristics

| Parameter | Value |
|---------------|-------|
| Rated Current | 10.2 |

Noise Levels

- Indoor Unit: d43 dB(A)
- Outdoor Unit: d55 dB(A)

Dimensions and Weight

Unit Dimensions (Net)

| Unit | Dimensions (mm) |
|---------|------------------|
| Indoor | 1050 × 320 × 220 |
| Outdoor | 950 × 350 × 830 |