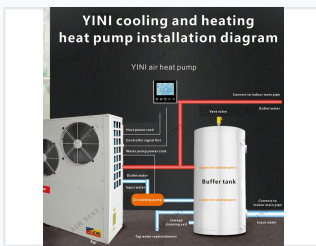


Air Source to Water Heat Pump for Heating and Cooling

This air source to water heat pump provides efficient heating, cooling, and domestic hot water. It can operate in low climate areas down to -35 and can be matched with fan coil and floor radiator heating.



ADDITIONAL IMAGES



Overview

High-Performance Low-Temperature Heat Pump

This air-to-water heat pump is engineered for extreme climates, capable of operating efficiently in ambient temperatures as low as -35°C. Utilizing EVI (Enhanced Vapor Injection) compressor technology, it delivers 50%-80% higher heating performance than standard units in cold conditions. This versatile system supports space heating, cooling, and domestic hot water production, making it an ideal solution for villas, hotels, and offices using radiators, floor heating, or fan coil units.

Performance Metrics

Performance Highlights

33 kW Heating Capacity	4.3 Heating COP	27 kW Cooling Capacity	2.8 Cooling COP
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Technical Specifications

Not afraid of temperature difference, super adaptable
Adapt to various temperature difference environments,
-35°C~+45°C normal operation



Model	YINI-100S-DCN
Ambient Temperature Range	-35°C to +43°C
Power Supply	380V 3N~50Hz
Protection Ratings	IPX4, Class I Shock Proof

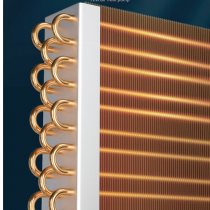
Advanced Technology

Ultra-low temperature DC inverter heat pump



Titanium evaporator has higher heat exchange efficiency

Using titanium evaporator, the heat exchange rate is faster. Higher heating and heat exchange efficiency, more stable indoor temperature.



Key Components

- Enhanced Vapor Injection (EVI) Compressor
- High-precision Electronic Expansion Valve (500-level control)
- Titanium Evaporator for high heat exchange efficiency
- Internal thread casing heat exchanger
- Low-noise motor with multi-wing centrifugal wind wheel

Operational Features



Smart Functions

Timed Start/Stop, Automatic Defrost, Mechanical Antifreeze, Constant Temperature Control, DC Inverter Frequency Adjustment

Application Guide

Cooling and heating heat pump



Compatible Heating/Cooling Terminals

Underfloor Heating • Radiators • Fan Coil Units • Domestic Hot Water Tanks

Economic Efficiency

Annual Heating Cost Comparison (100;Area)

Heating System Type	Annual Cost (RMB)
Air Source Heat Pump	2500
Air Conditioner (No Aux Heat)	3500
Gas Wall-Hanging Furnace	4500
Electric Wall-Hanging Furnace	7500

Certifications & Compliance



Certifications

CE, CB, ErP, RoHS, SGS, SAA, GS