

Air to Water Heat Pump with DC Inverter

This DC inverter heat pump uses advanced technology to save up to 80% on heating costs compared to traditional gas or electric heaters. It heats quickly and works with radiators and floor heaters for comfortable climate control, even in very cold winters.



ADDITIONAL IMAGES



Overview

High-Efficiency DC Inverter Heat Pump

This advanced air-to-water heat pump utilizes DC inverter and EVI technology to provide high-efficiency heating and cooling for residential spaces. It is designed to save up to 80% on heating costs compared to traditional gas or electric systems while maintaining performance in extreme cold. The system integrates seamlessly with radiators, floor heating, and fan coils for year-round climate control.

Performance Metrics



Key Performance Metrics

80 % Max Heating Cost Savings	75 % Average Energy Saving	-35 °C Min Operating Temp
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Technical Specifications

Technical Data


Parameter	Value
Model	YINI-080-BPCN
Ambient Temperature Range	-35°C to +43°C
Power Supply	220V-240V / 1N / 50Hz
Electric Shock Proof Grade	Class I
Protection Grade	IPX4

Core Features


12 functions of YINI air heat pump
— Create a comfortable home —




For central air conditioning




Floor heating




Radiator



75% energy saving



Intelligent control



Quiet and comfortable

Main Features

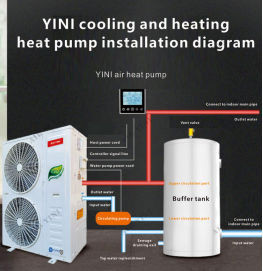
- Twin rotary compressor with inverter control
- Electronic Expansion Valve (EEV) for accurate refrigerant flow
- Intelligent controller with LCD display
- Multi-protection safety operation
- Automatic defrosting function
- Hydrophilic coating air exchanger
- Enhanced Vapor Injection (EVI) technology

Applications



Cooling and heating heat pump

floor heating Bottom-up warmth, eliminating heating blind spots



YINI cooling and heating heat pump installation diagram

System Compatibility

Floor Heating, Radiators, Fan Coils, Central Air Conditioning, Domestic Hot Water

Capacity Planning

Recommended Heating Area

Heat Pump Size	Recommended Area
12kW	80 - 120 m ²
14kW	120 - 150 m ²
19kW	150 - 190 m ²
27kW	190 - 230 m ²

Compliance & Support

Our service



Certifications

CE • CB • IAF • SAA • GS • ErP • NF • SGS • ROHS • SASO

Service & Warranty

- 2-year warranty
- Free accessories included
- Free remote installation guidance

Hardware Quality

High efficiency and low noise Make life more comfortable

The low noise motor is combined with multi-wing centrifugal wind wheel, with large air volume and low noise, giving you the quietness you want



Premium Components

- International famous brand compressor
- Pure copper tube accessories
- High-efficiency titanium evaporator
- Internal thread casing heat exchanger
- Multi-wing centrifugal wind wheel for low noise