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› Midea 18000 BTU Mini Split AC/Heating System User Manual

## Midea MASAG18-21HS2G

# Midea 18000 BTU Mini Split AC/Heating System

MODEL: MASAG18-21HS2G

User Manual

### Product Overview

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The Midea 18000 BTU Mini Split AC/Heating system provides efficient and quiet climate control for spaces up to 1000 sq.ft. This inverter AC with heat pump technology offers both cooling and heating functionalities, designed for energy efficiency and smart home integration.



Figure 1: Midea Mini Split AC/Heating System components.

This image displays the complete system, including the indoor air handler, the outdoor condenser unit, the remote control, and various connection accessories such as refrigerant lines and electrical cables.

## Setup & Installation

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This Midea mini split system is **not a DIY system** and requires professional installation. Installation kits are not included with the product. The package includes the indoor unit, outdoor condenser, and remote control unit. For detailed installation instructions, please refer to the dedicated Installation Manual provided with your product or available for download from the Midea support website.

# COMES IN 2 BOXES

Your AC ships in 2 boxes.  
Professional installation & additional accessories required.

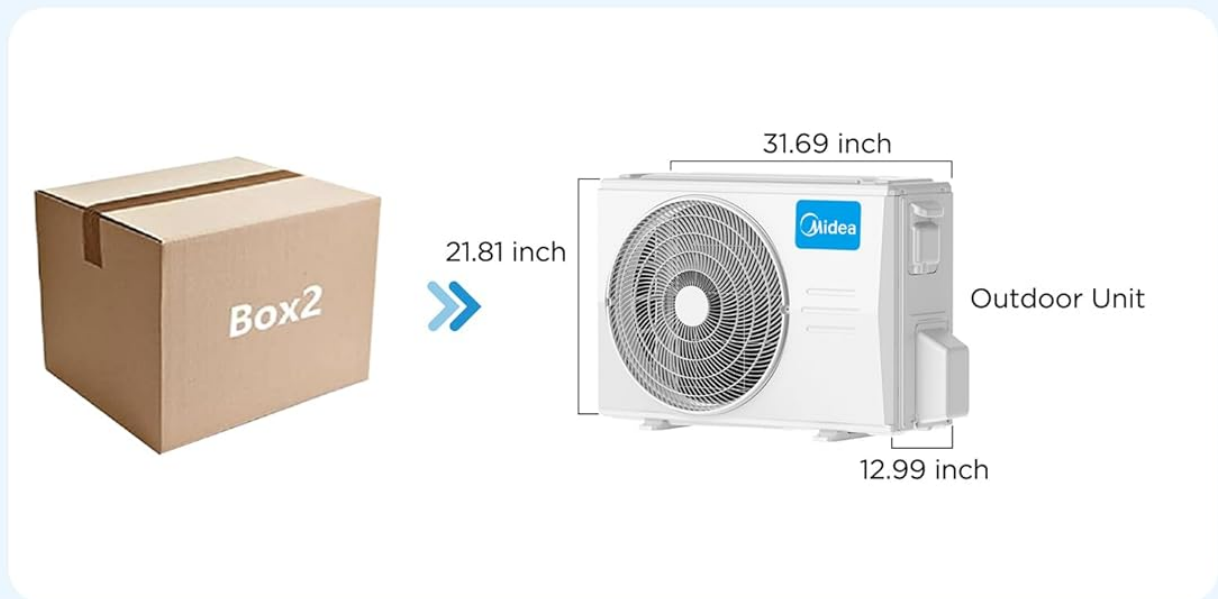
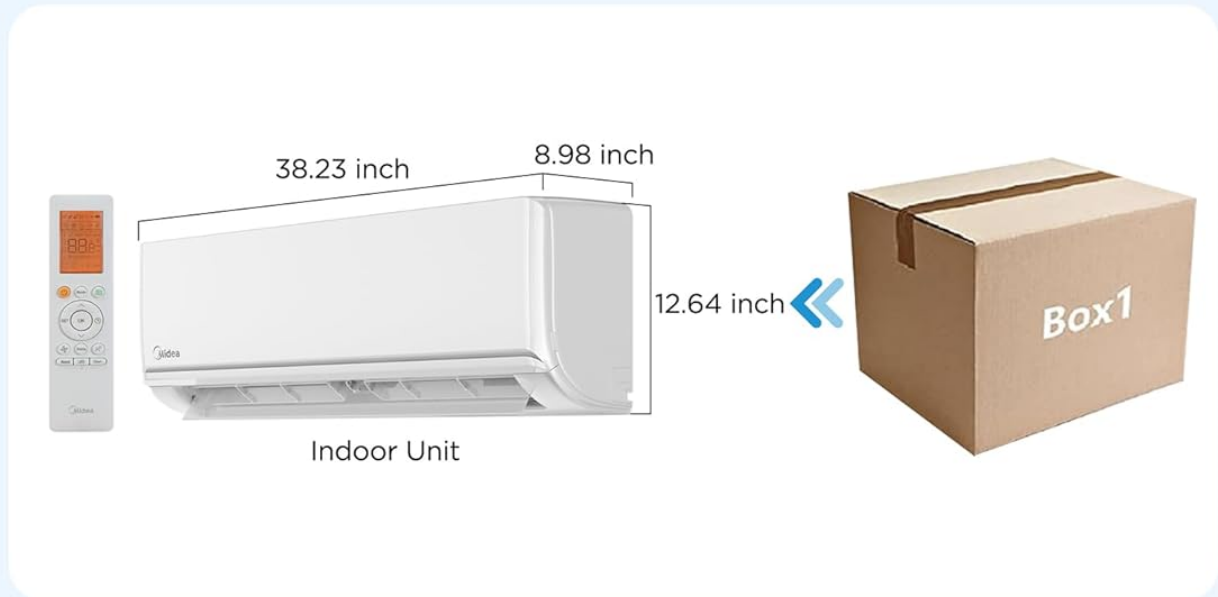


Figure 2: Product Packaging and Dimensions.

The system is shipped in two separate boxes: one for the indoor unit and one for the outdoor unit. This diagram provides the approximate dimensions for both units to assist with planning the installation space.

## Operating Instructions

The Midea Mini Split AC/Heating system offers various modes and features for optimal comfort and energy efficiency.

## Remote Control Functions

Use the included remote control to power the unit on/off, select operating modes, adjust temperature, and control fan speed. The remote features a clear display for easy setting adjustments.

## Operating Modes

- **Cooling Mode:** Provides efficient cooling to maintain your desired room temperature.
- **Heating Mode:** Utilizes heat pump technology to warm your space effectively.
- **Dry Mode:** Reduces humidity in the air, providing comfort in sticky conditions without significant temperature drop.
- **Fan-Only Mode:** Circulates air without cooling or heating, useful for ventilation.
- **Auto Mode:** Automatically selects the appropriate mode (cooling, heating, or fan) based on the ambient temperature and your set temperature.

## Rapid Heating and Cooling

The Midea inverter mini split system is designed to quickly adjust the room temperature, providing rapid heating or cooling for year-round comfort.



## RAPID HEAT & COOL

Midea inverter mini splits quickly heat or cool your room for year round comfort.

Figure 3: Rapid Heat & Cool Functionality.

This image depicts the system's ability to quickly provide either warmth or coolness, ensuring comfort in any season.

### Smart Control Integration

This system is compatible with Alexa and Google Home, allowing you to control your mini split AC remotely via a smartphone app. This feature enables temperature adjustments even when you are away, contributing to energy savings and ensuring a comfortable environment upon your return.

Alexa, turn the AC to 80°F

Okay

works with alexa

works with Google Home

# WORKS WITH ALEXA

Control your AC easier with built in WiFi kits compatible with multiple voice assistants.

Figure 4: Smart Control with Alexa.

This image shows the convenience of controlling your Midea mini split AC using voice commands through smart home devices like Amazon Alexa.

### Quiet Operation

The Midea mini split heat pump system is designed for quiet operation, with the indoor unit running as quietly as 19 dBa, depending on the specific unit and operating conditions. This ensures minimal disturbance for a peaceful indoor environment.



## QUIET COOLING

Sleep comfortably with an air conditioner that operates down to 19db.

Figure 5: Quiet Cooling for Restful Sleep.

The quiet operation of the Midea AC unit allows for comfortable and undisturbed sleep, making it ideal for bedrooms and other quiet spaces.

### Energy Saving (ECO Mode)

Activate the ECO mode to significantly reduce energy consumption, potentially saving up to 71% on your energy bill. This mode optimizes performance for maximum efficiency.

**ECO mode**

Energy Consumption **-71%**

Significant energy saving

Normal mode      ECO mode

\* Test by Midea lab under initial indoor temperature of 30°C while AC set to 24°C.

**ENERGY SAVING**

The ECO mode help you save up to 71% and can help lower your energy bill.

Figure 6: Energy Saving with ECO Mode.

This graphic visually represents the substantial energy savings achievable by utilizing the ECO mode, leading to lower electricity costs.

**Wider Range Operation**

Equipped with a powerful Midea compressor, this unit is capable of operating efficiently across a wide range of ambient temperatures, from extremely hot to extremely cold conditions.

☰☰☰ Extremely hot 122°F

❄️ Extreme cold 5°F



## WIDER RANGE OPERATION

With a powerful Midea compressor, this unit operates at extreme high & low ambient temperatures.

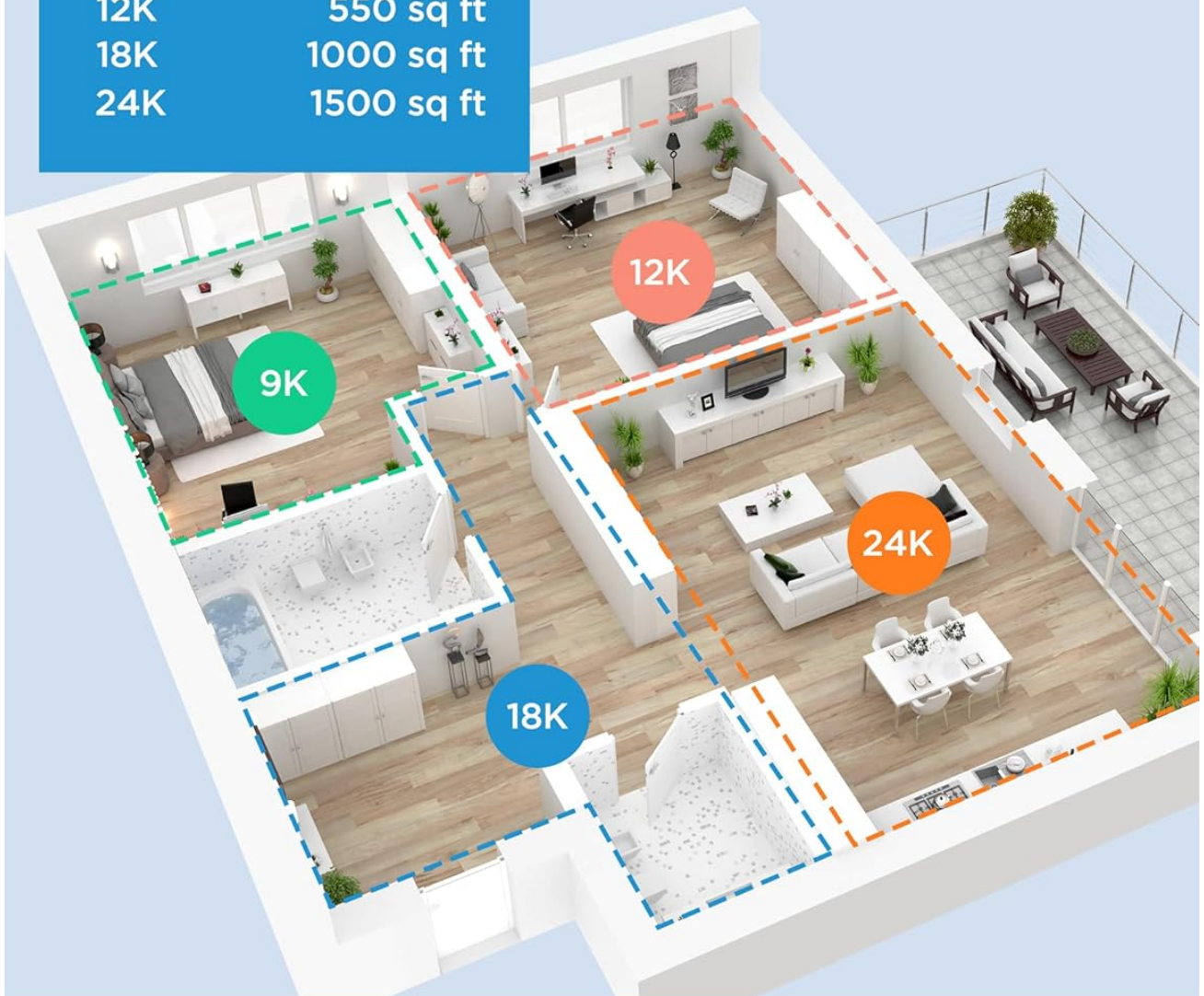
Figure 7: Operation in Extreme Temperatures.

The image illustrates the system's capability to perform reliably in diverse climates, from scorching deserts to freezing snowy landscapes.

### Adaptable to Your Home

Matching the correct BTU capacity to your room size is crucial for optimal performance and comfort. This 18000 BTU unit is suitable for areas up to 1000 sq.ft.

BTU	Room Size
9K	400 sq ft
12K	550 sq ft
18K	1000 sq ft
24K	1500 sq ft



## ADAPTABLE TO YOUR HOME

Match the right units BTUs to your room to stay comfortable in every season.

Figure 8: BTU Capacity Recommendations.

This floor plan diagram provides guidance on selecting the appropriate BTU size for different room dimensions to ensure effective heating and cooling.

### Maintenance

Regular maintenance ensures the longevity and efficient operation of your Midea Mini Split AC/Heating system.

### Filter Cleaning

Clean the air filters of the indoor unit regularly (e.g., every 2-4 weeks, depending on usage and air quality). Refer to the User Manual for specific instructions on how to remove, clean, and re-install the filters.

## Outdoor Unit Care

Ensure the outdoor condenser unit is free from obstructions like leaves, dirt, or debris. Periodically clean the coils and fins with a soft brush or vacuum cleaner. Do not spray water directly into the electrical components.

## Seasonal Checks

Before seasonal use (e.g., before summer for cooling or winter for heating), inspect the unit for any visible damage, ensure all connections are secure, and confirm proper drainage.

## Troubleshooting

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If you encounter issues with your Midea Mini Split AC/Heating system, refer to the following common troubleshooting tips before contacting professional service.

### Unit Not Turning On

- Check if the power supply is connected and the circuit breaker has not tripped.
- Ensure the remote control batteries are not depleted.

### Insufficient Cooling/Heating

- Verify that the correct operating mode (Cooling/Heating) is selected.
- Clean the air filters if they are dirty or clogged.
- Ensure there are no obstructions to the indoor or outdoor unit's airflow.
- Check if windows and doors are properly closed to prevent air leakage.

### Unusual Noises

- A slight gurgling or hissing sound is normal and indicates refrigerant flow.
- If loud or persistent noises occur, contact a qualified technician.

For issues not resolved by these steps, or for complex problems, it is recommended to contact Midea customer support or a certified HVAC technician.

## Specifications

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Key technical specifications for the Midea 18000 BTU Mini Split AC/Heating System:

Feature	Value
Brand	Midea
Model Number	MASAG18-21HS2G
Cooling Power	18000 British Thermal Units
Voltage	208/230 Volts
SEER2 Rating	19.5
Coverage Area	Up to 1000 Sq.Ft

Feature	Value
Noise Level (Indoor)	19 dB (minimum)
Item Weight	74.7 pounds
Product Dimensions	12.99 x 31.69 x 21.81 inches
Material	Plastic
Included Components	Indoor Air Handler

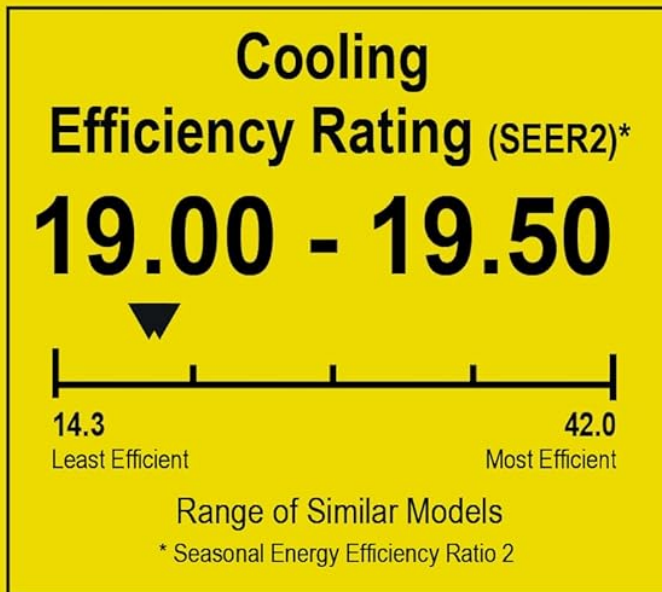
U.S. Government

Federal law prohibits removal of this label before consumer purchase.

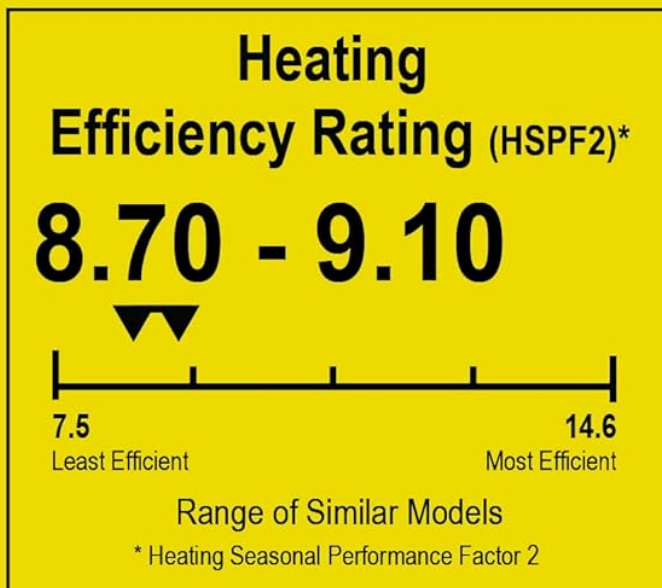
# ENERGYGUIDE

Heat Pump  
Cooling and Heating  
Split System

MIDEA  
Model MASAG18-21HS2GB



▼▼ This system's efficiency ratings depend on the coil your contractor installs with this unit. The heating efficiency rating varies slightly in different geographic regions. Ask your contractor for details.



For energy cost info, visit [productinfo.energy.gov](http://productinfo.energy.gov)

Figure 9: EnergyGuide Label.

This official EnergyGuide label provides detailed information on the cooling and heating efficiency ratings (SEER2 and HSPF2) of the Midea mini split system.

## Warranty & Support

Midea stands behind the quality of its products with a comprehensive warranty and dedicated customer support.

### **Warranty Information**

The Midea mini split system comes with a **2-year limited warranty on parts** and a **5-year limited warranty on the compressor**. This warranty ensures peace of mind regarding the durability and reliability of your unit.

### **Customer Support**

For any technical assistance, troubleshooting, or warranty claims, please contact our US-based technical team. You can also refer to the full [User Manual \(PDF\)](#) and [Installation Manual \(PDF\)](#) for more detailed information.