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> YITAHOME 12000 BTU Mini Split Air Conditioner Heat Pump System User Manual

YITAHOME MAYIHNONuN

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Model: MAYIHNONuN

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1. PRODUCT OVERVIEW

The YITAHOME 12000 BTU Mini Split Air Conditioner Heat Pump System is a ductless inverter system designed for efficient cooling and heating. It features Wi-Fi and Alexa compatibility for smart control and is suitable for covering areas up to 750 sq. ft. This system includes both an indoor and outdoor unit, along with a complete installation kit.



Figure 1.1: The YITAHOME 12000 BTU Mini Split Air Conditioner Heat Pump System, showcasing the indoor unit, outdoor unit, remote control, and various installation accessories.



Figure 1.2: An illustration of the ductless mini split AC unit installed in a modern living room setting, highlighting its aesthetic integration.

2. IMPORTANT SAFETY INFORMATION

Please read all safety warnings and instructions carefully before installation and operation to prevent injury or damage.

- **Professional Installation Required:** This unit must be installed by a licensed HVAC professional. Improper installation can lead to electric shock, fire, water leakage, or other hazards.
 - **Electrical Safety:** Ensure the power supply matches the unit's specifications (208-230V). Do not operate with wet hands. Disconnect power before servicing.
 - **Refrigerant Handling:** The system contains R32 refrigerant. Only qualified personnel should handle refrigerant.
 - **Clearances:** Maintain adequate clearances around both indoor and outdoor units for proper airflow and maintenance.
 - **Children and Pets:** Keep children and pets away from the unit during operation and maintenance.
 - **Cleaning:** Use only recommended cleaning agents. Do not spray water directly onto the unit.
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3. PACKAGE CONTENTS

The YITAHOME Mini Split Air Conditioner Heat Pump System is shipped in two separate packages. Please verify all components are present upon delivery.

COMES IN 2 BOXES



The item comes **in 2 boxes** and may not arrive at the same time

Excluding shut off valve housing and side protection grille

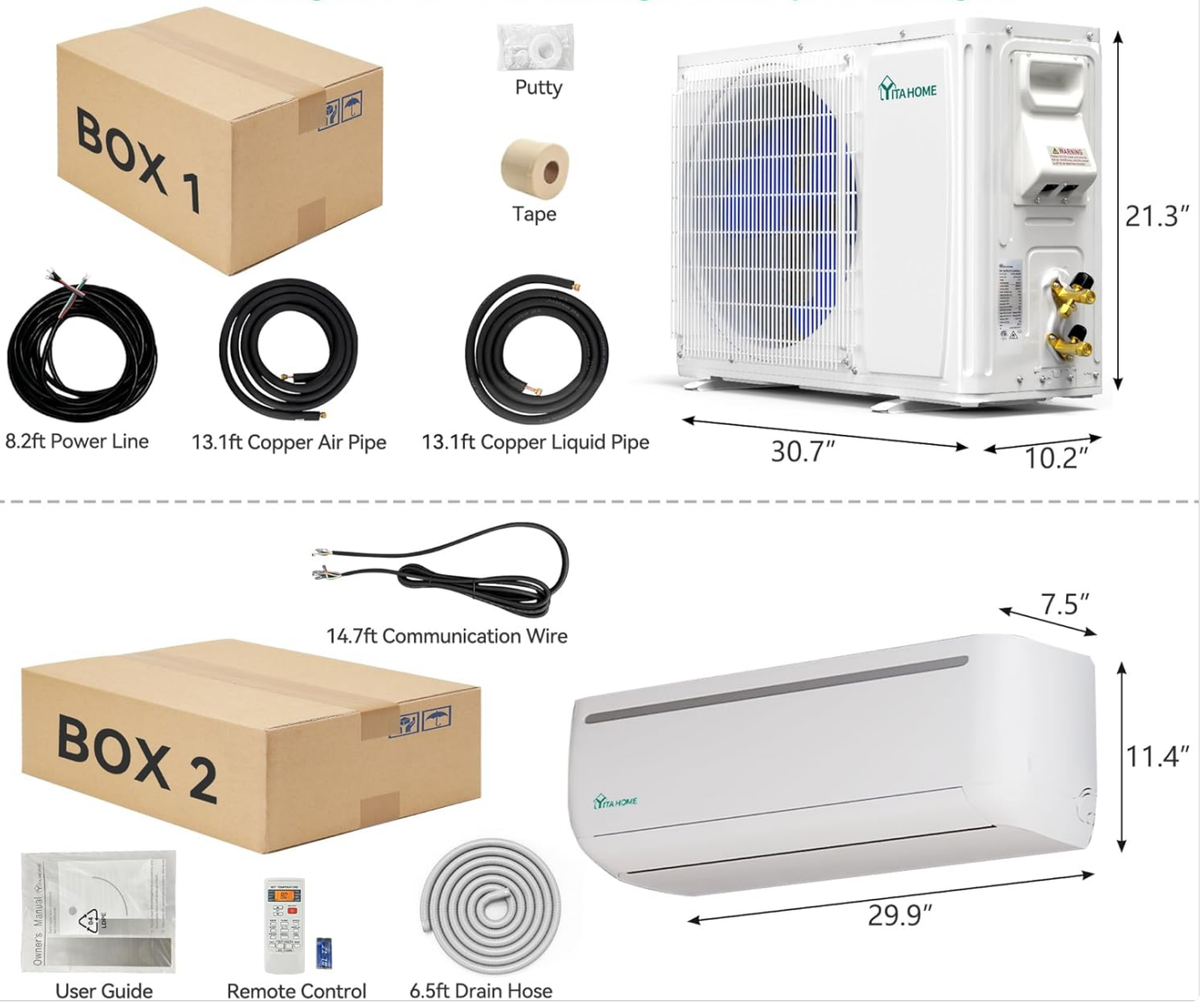


Figure 3.1: Detailed breakdown of items included in Box 1 (Outdoor Unit, Power Line, Copper Air Pipe, Copper Liquid Pipe) and Box 2 (Indoor Unit, User Guide, Remote Control, Communication Wire, Drain Hose, Putty, Tape).

Included Components:

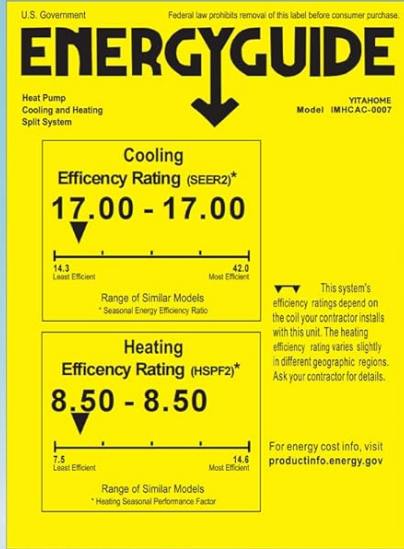
- Indoor Unit
- Outdoor Unit
- Remote Control
- User Guide
- 8.2 ft Power Line
- 13.1 ft Copper Air Pipe
- 13.1 ft Copper Liquid Pipe
- 14.7 ft Communication Wire
- 6.5 ft Drain Hose
- Putty
- Tape

4. PRODUCT SPECIFICATIONS

Below are the technical specifications for the YITAHOME 12000 BTU Mini Split Air Conditioner Heat Pump System (Model: MAYIHNONuN).

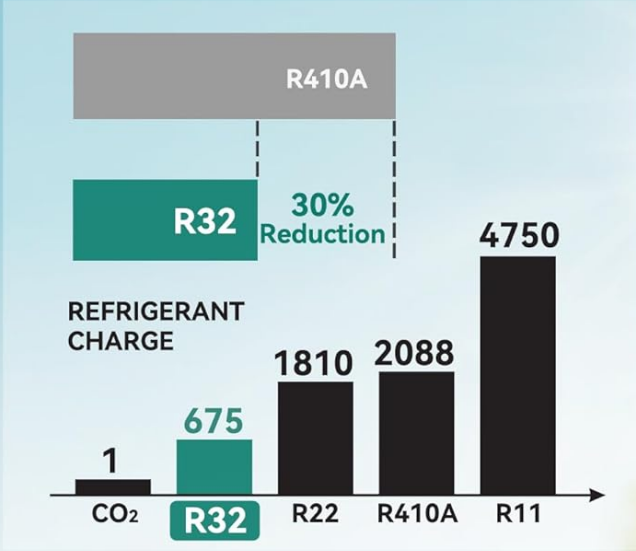
Feature	Specification
Brand	YITAHOME
Model Number	MAYIHNONuN
Cooling Power	12000 BTU
Heating Capacity	12000 BTU (1 Ton)
Coverage Area	Up to 750 sq. ft.
Voltage	208-230V
SEER2 Rating	17
HSPF2 Rating	8.5
Sound Level	Under 41 dB
Operating Temperature Range	5°F to 118°F
Refrigerant Type	R32
Material	Iron, Aluminum, Plastic
Product Dimensions (Indoor Unit)	7.9"D x 31.2"W x 11.5"H
Item Weight	21.1 pounds (Indoor Unit)
Special Features	Air Purification Filter, Auto Clean, Dehumidifier, Heating & Cooling Function, Inverter Compressor, Wi-Fi & Alexa Compatibility

R32 has a lower GWP and consumes less energy, causing lower global warming potential.



SEER2
17

HSPF2
8.5



Protects the Ozone Layer

More Economical

Recyclable

Eco-Safe



Figure 4.1: Energy Guide label displaying SEER2 and HSPF2 ratings, alongside a comparison of R32 refrigerant's lower Global Warming Potential (GWP) compared to other refrigerants.

ULTRA INVERTER COMPRESSOR

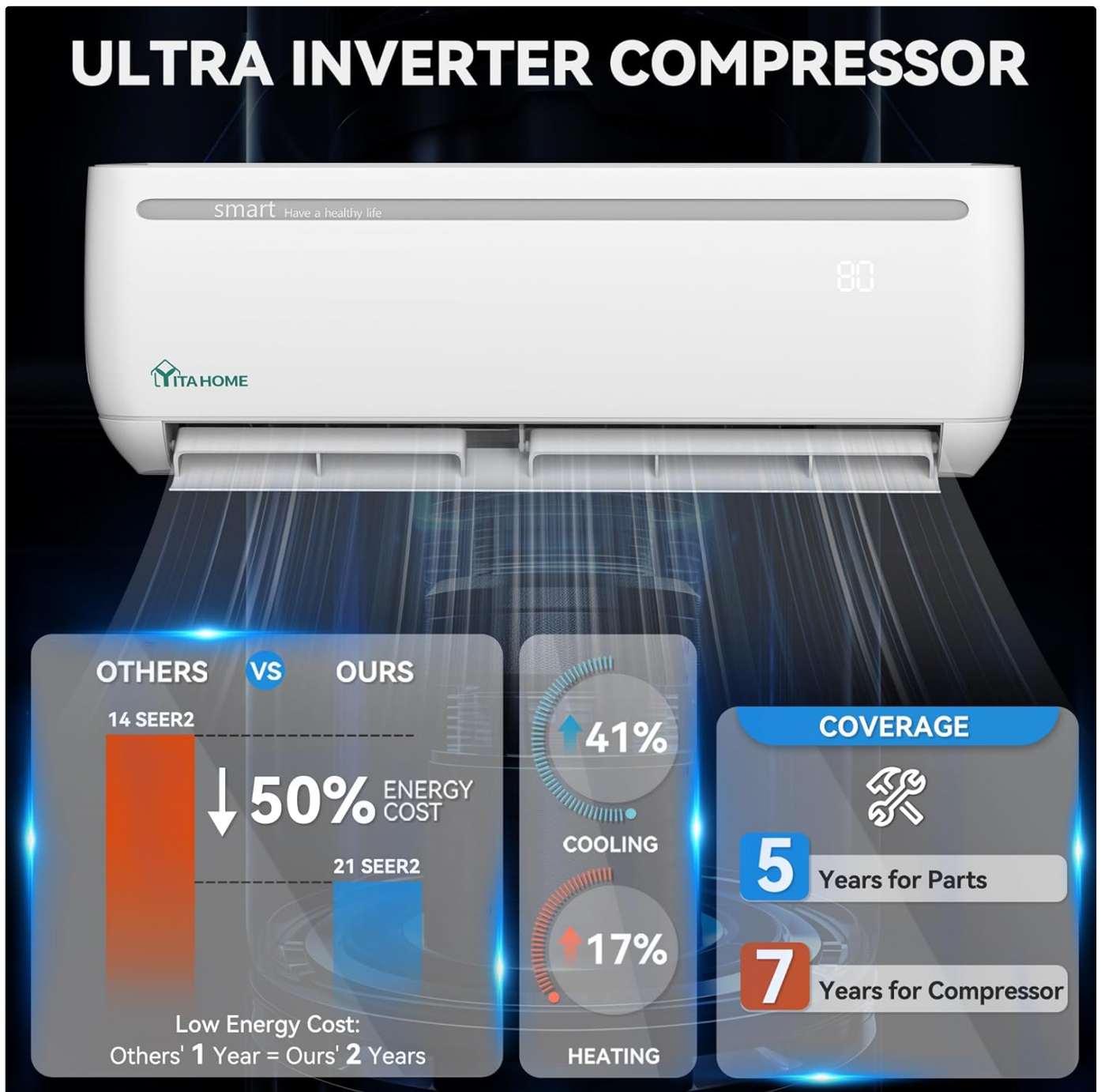


Figure 4.2: Visual representation of energy savings with inverter technology and warranty details: 5 years for parts, 7 years for compressor.

5. SETUP AND INSTALLATION

Installation of this mini split system requires specialized tools and knowledge. It is mandatory to have the unit installed by a licensed HVAC professional to ensure proper function, safety, and warranty validity.

Key Installation Considerations:

- **Location Selection:** Choose appropriate locations for both indoor and outdoor units, ensuring adequate space for airflow, drainage, and maintenance.
- **Mounting:** Securely mount the indoor unit on a wall and the outdoor unit on a stable surface or wall bracket, following manufacturer guidelines.
- **Refrigerant Lines:** Connect the pre-charged copper refrigerant lines between the indoor and outdoor units. Proper

vacuuming of the lines is crucial before opening the refrigerant valves.

- **Electrical Connections:** Connect the power line and communication wire according to the wiring diagram provided in the full installation manual. Ensure all electrical work complies with local codes.
 - **Drainage:** Install the drain hose to ensure proper condensate removal from the indoor unit.
 - **Leak Checks:** After all connections are made, perform thorough leak checks on all refrigerant line connections.
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6. OPERATING INSTRUCTIONS

The YITAHOME Mini Split system offers multiple operating modes and smart control options for optimal comfort.

6.1. Control Methods

- **Remote Control:** Use the included wireless remote control to adjust settings, modes, and fan speeds.
- **Wi-Fi App:** Download the dedicated YITAHOME app to control the unit remotely via Wi-Fi.
- **Alexa Compatibility:** Integrate with Amazon Alexa for voice control of basic functions.



Figure 6.1: Remote control of the unit via a smartphone application, demonstrating Wi-Fi connectivity.

6.2. Operating Modes

The system features five primary operating modes and four fan speeds:

MULTIFUNCTIONAL DESIGN



Figure 6.2: The remote control and a visual representation of the seven available modes: Auto, Cool, Heat, Dry, Sleep, ECO, and Fan.

- **Auto Mode:** The unit automatically selects cooling or heating based on the ambient temperature and desired set point.
- **Cooling Mode:** Provides cooling to lower the room temperature.
- **Drying Mode (Dehumidifier):** Reduces humidity in the room without significant temperature change.
- **Heating Mode:** Provides heating to raise the room temperature.
- **Fan Mode:** Circulates air without cooling or heating.

6.3. Fan Speeds

- Low
- Medium
- High
- Turbo

6.4. Special Features

- **iFEEL:** The remote control senses the temperature around it and adjusts the unit's operation for localized comfort.
- **0-24h Timer:** Set the unit to turn on or off automatically within a 24-hour period.
- **Sleep Mode:** Adjusts temperature and fan speed for quiet, energy-efficient operation during sleep, with the option to turn off the display.
- **Energy-Saving (ECO) Mode:** Optimizes operation for reduced power consumption.
- **Healthy Mode:** Activates air purification features.
- **4D Air Circulation:** Ensures even temperature distribution throughout the room.



Figure 6.3: A bedroom setting illustrating the benefits of the unit's quiet operation (under 41 dB), sleep mode, and timer function for a full night's sleep.

UP TO 50 FT AIRFLOW RANGE

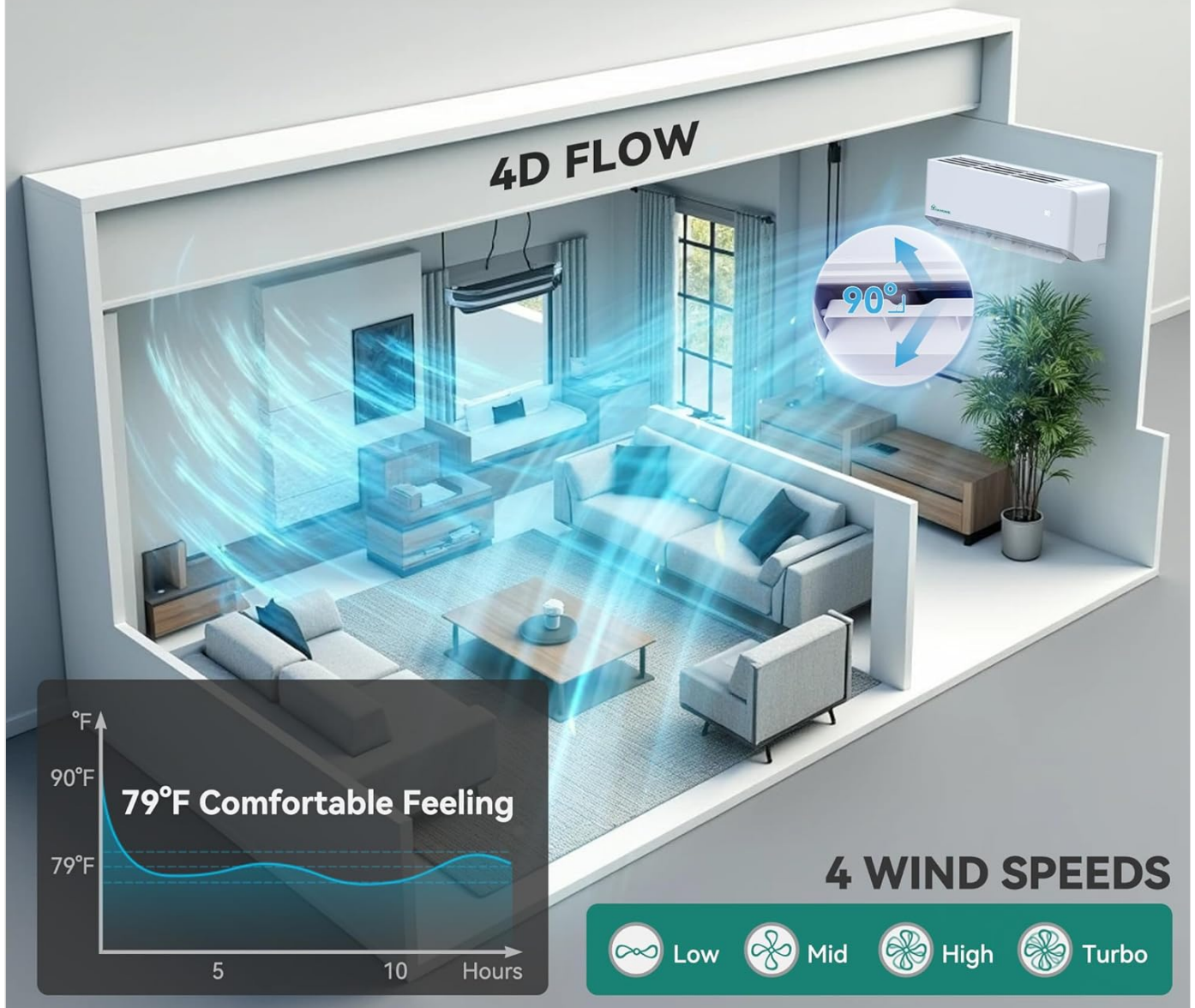


Figure 6.4: An illustration demonstrating the 4D airflow capability and up to 50 ft airflow range, ensuring uniform temperature distribution.

7. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your YITAHOME Mini Split system.

7.1. Air Filter Cleaning

The indoor unit is equipped with a removable and washable air filter. It is recommended to clean the air filter monthly, or more frequently depending on usage and air quality.

1. Turn off the unit and disconnect power.
2. Open the front panel of the indoor unit.
3. Remove the air filter(s).
4. Wash the filter(s) with lukewarm water and a mild detergent.

5. Rinse thoroughly and allow to air dry completely before reinserting.
6. Close the front panel.



Figure 7.1: A visual guide demonstrating the easy removal and cleaning process for the washable air filter.

7.2. Self-Cleaning Function

The unit features a self-diagnosis/135°F self-cleaning function for both indoor and outdoor units, which helps prevent mold and bacteria buildup. Refer to the full user manual for instructions on activating this feature.

7.3. General Cleaning

- Wipe the exterior of the indoor and outdoor units with a soft, damp cloth.
- Do not use harsh chemicals, abrasive cleaners, or spray water directly onto the units.

7.4. Professional Servicing

It is recommended to have the system inspected and serviced by a licensed HVAC professional annually to ensure optimal performance and address any potential issues.

8. TROUBLESHOOTING GUIDE

This section provides solutions to common issues you might encounter. For more complex problems, contact customer support or a licensed technician.

Problem	Possible Cause	Solution
Unit does not turn on	No power supply; Remote control batteries dead	Check circuit breaker; Replace remote control batteries
Insufficient cooling/heating	Dirty air filter; Blocked outdoor unit; Incorrect mode setting; Room size exceeds capacity	Clean air filter; Clear obstructions from outdoor unit; Select correct mode; Ensure unit matches room size
Unusual noise	Loose parts; Obstruction in fan; Refrigerant flow noise (normal)	Check for loose parts; Remove obstructions; Consult technician if noise is excessive

Problem	Possible Cause	Solution
Water leakage from indoor unit	Clogged drain hose; Improper installation	Clear drain hose; Contact licensed HVAC professional for inspection
Wi-Fi connection issues	Router issues; Incorrect Wi-Fi settings; App malfunction	Restart router; Reconfigure Wi-Fi settings in app; Reinstall app
Error codes displayed	System malfunction	Refer to the full user manual for specific error code meanings or contact customer support.

9. WARRANTY AND CUSTOMER SUPPORT

9.1. Product Warranty

The YITAHOME 12000 BTU Mini Split Air Conditioner Heat Pump System comes with a comprehensive warranty:

- **5-year warranty on parts**
- **7-year warranty on compressor**

Please retain your proof of purchase for warranty claims. The warranty is valid only if the unit is installed by a licensed HVAC professional.

9.2. Customer Support

For any questions, technical assistance, or warranty claims, please contact YITAHOME customer support directly. It is recommended to contact the manufacturer first for:

- Replacing missing or damaged parts
- Troubleshooting technical issues

Contact information can typically be found on the YITAHOME official website or in the full user manual provided with your product.

