

## YITAHOME MAYIHoxw2t

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

Brand: YITAHOME | Model: MAYIHoxw2t

## 1. IMPORTANT SAFETY INFORMATION

Please read all instructions carefully before installation and operation. Retain this manual for future reference.

### 1.1 General Safety

- Professional installation is required for this system to ensure proper function and safety.
- Do not attempt to repair or modify the unit yourself. Contact qualified service personnel.
- Ensure the power supply matches the unit's specifications (115V).
- Keep children and pets away from the outdoor unit during operation.

### 1.2 Electrical Safety

- Always disconnect power before performing any maintenance or servicing.
- Ensure proper grounding to prevent electric shock.
- Do not operate the unit with wet hands.

### 1.3 Refrigerant Safety

- This unit uses R32 refrigerant. Handle with care and ensure proper ventilation during installation and servicing.
- R32 is a mildly flammable refrigerant. Do not use or store near open flames or heat sources.
- In case of a refrigerant leak, ventilate the area immediately.

## 2. PRODUCT OVERVIEW

The YITAHOME 12000 BTU Mini Split Air Conditioner Heat Pump System provides efficient cooling and

heating for spaces up to 750 square feet. It features inverter technology for energy savings and smart controls for convenience.

## 2.1 Key Features

- **Energy Efficient Cooling & Heating:** High-power compressor and inverter technology for optimal performance and 25% energy savings. ETL and AHRI certified.
- **Five Operating Modes:** Auto, Cool, Dry, Heat, and Fan modes for versatile climate control.
- **Smart Connectivity:** WiFi-enabled and compatible with Alexa for voice control and remote operation.
- **Silent Performance:** Operates quietly with noise levels below 41 decibels.
- **All-Weather Response:** Designed to perform in temperatures from 5°F to 118°F, providing consistent 4D air circulation up to 50 feet.
- **Health Mode:** Features negative ions, electrostatic dust removal, and PM2.5 removal for improved air quality.
- **Additional Functions:** Automatic defrosting, self-diagnosis/cleaning, iFEEL mode, 24-hour timer, sleep mode, and energy-saving mode.

## 2.2 Components Included

- Indoor Unit
- Outdoor Unit
- Multifunctional Remote Control
- Comprehensive Installation Kit (excluding shut-off valves housing and side protection grille)
- User Guide
- Washable Air Filter



Figure 1: YITAHOME 12000 BTU Mini Split Air Conditioner Heat Pump System, showing indoor unit, outdoor unit, remote control, and installation accessories.

### 3. SETUP AND INSTALLATION

Proper installation is crucial for the optimal performance and longevity of your mini split system. It is highly recommended that installation be performed by a licensed professional.

#### 3.1 Tools and Materials Required

- Hole saw
- Multimeter
- Pipe cutter
- Hex wrenches
- Refrigerant (R32)
- Torque wrench

- Adjustable wrench
- Tape measure
- Pressure gauge
- Safety belt (for high installations)
- Flaring tool
- Mounting brackets
- Level
- Phillips screwdriver
- Electroprobe
- Vacuum pump
- Pliers
- Copper tube (if included pipes are not sufficient)
- Wrapping tape
- Putty

### 3.2 Indoor Unit Installation

1. **Select Location:** Choose a hard, flat, and firm wall. Ensure adequate clearance: >15cm to ceiling, >20cm to obstacles on sides, and 230-260cm from floor.
2. **Install Mounting Plate:** Place the mounting plate on the wall, use a level to ensure it is horizontal. Secure with at least 5 expansion screws. Do not use nails.
3. **Drill Wall Hole:** After determining the pipe's path, drill a wall hole inclined outward by 5-10 degrees, with a diameter of 60-80mm. Avoid wires, plumbing, and gas lines. Use an anti-dust bag.
4. **Connect Power Cable:** Pass the power cable from the back of the indoor unit and fix it to the terminal board according to the wiring diagram on the E-parts cover. Fix the cable with a clamp.
5. **Prepare Piping:** Remove the knock-out panel according to piping direction. Use both hands to turn the refrigerant pipe in the desired direction to avoid deformation or rupture.
6. **Connect Refrigerant Piping:** Aim at the pipe center, tighten the taper nut with fingers, then tighten with two wrenches. Refer to the torque table for correct tightening force.
7. **Install Drain Hose:** Connect the drain hose with the water outlet pipe, ensuring it is fixed firmly with adhesive tape. The length should be more than 5cm.
8. **Wrap Piping:** Wrap refrigerant piping, wires, and drain pipe with wrapping tape.
9. **Mount Indoor Unit:** Put the refrigerant piping out of the wall hole. Place the indoor unit on the mounting plate. Push the lower part of the indoor unit until a 'click' sound is heard, ensuring it is firmly fixed.
10. **Seal Wall Hole:** Install a pipe protecting ring and seal the wall hole with putty to prevent air and moisture ingress.

### 3.3 Outdoor Unit Installation

1. **Select Location:** The outdoor unit must be installed in a firm and flat place to prevent vibration and noise. Ensure adequate clearance: >20cm to top obstruction, >30cm to side obstructions, >10cm air in side, >200cm air out side.
2. **Install Outdoor Unit Bracket:** If installing at a higher place, wear a safety belt and helmet. Use a level to ensure the bracket is horizontal and vertical. Use at least 6 expansion bolts to fix brackets firmly on the wall.
3. **Place Outdoor Unit:** Put the outdoor unit onto the brackets. Use 4 screws to fix the feet of the outdoor unit.

4. **Connect Refrigerant Piping:** Remove the nut from the stop valves. Aim at the pipe center, tighten the taper nut with fingers, then tighten with two wrenches. Refer to the torque table for correct tightening force.
5. **Electrical Connections:** Remove the electrical box cover. Fix cables to the terminal board according to the wiring diagram on the E-parts cover. Use clamps to fix cables. Must follow the wiring diagram inside the box cover. Put the electrical box cover back and secure it.

### 3.4 Vacuumizing and Refrigerant Charging

1. **Preparation:** Before vacuuming, check all the nuts of the indoor and outdoor unit are tightened.
2. **Connect Vacuum Pump:** Connect the stop valve, charging hose, manifold valve, and vacuum pump as shown in the diagram.
3. **Vacuumize:** Turn on the handle Lo to vacuumize. Vacuumize for at least 15 minutes, ensuring the value on the pressure gauge is  $\leq 0.1\text{MPa}$ . Keep pressure for 3-5 minutes after vacuumizing to ensure pressure springback is  $\leq 0.05\text{MPa}$ .
4. **Open Valves:** Open the 1/4 liquid valve, and remove the charging hose. Open all the liquid valves and gas valves. Screw all the caps and tighten them up.

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Video 1: Detailed installation guide for the YITAHOME Mini Split Air Conditioner Heat Pump System, covering indoor and outdoor unit setup, piping, and electrical connections.

## 4. OPERATING INSTRUCTIONS

Your YITAHOME Mini Split system offers various modes and smart features for optimal comfort and convenience.

### 4.1 Remote Control Functions

The multifunctional remote control allows you to adjust settings from 60°F to 90°F. It includes buttons for mode selection (Auto, Cool, Dry, Heat, Fan), fan speed, sleep mode, timer, and other special features.



Figure 2: Remote control displaying various functions and buttons for mode selection, temperature adjustment, and special features.

## 4.2 Operating Modes

- **Auto Mode:** Automatically selects the appropriate operating mode (cooling, heating, or fan) based on the room temperature.
- **Cool Mode:** Provides cooling to lower the room temperature.
- **Dry Mode:** Dehumidifies the air, reducing humidity levels.
- **Heat Mode:** Provides heating to raise the room temperature.
- **Fan Mode:** Circulates air without cooling or heating.



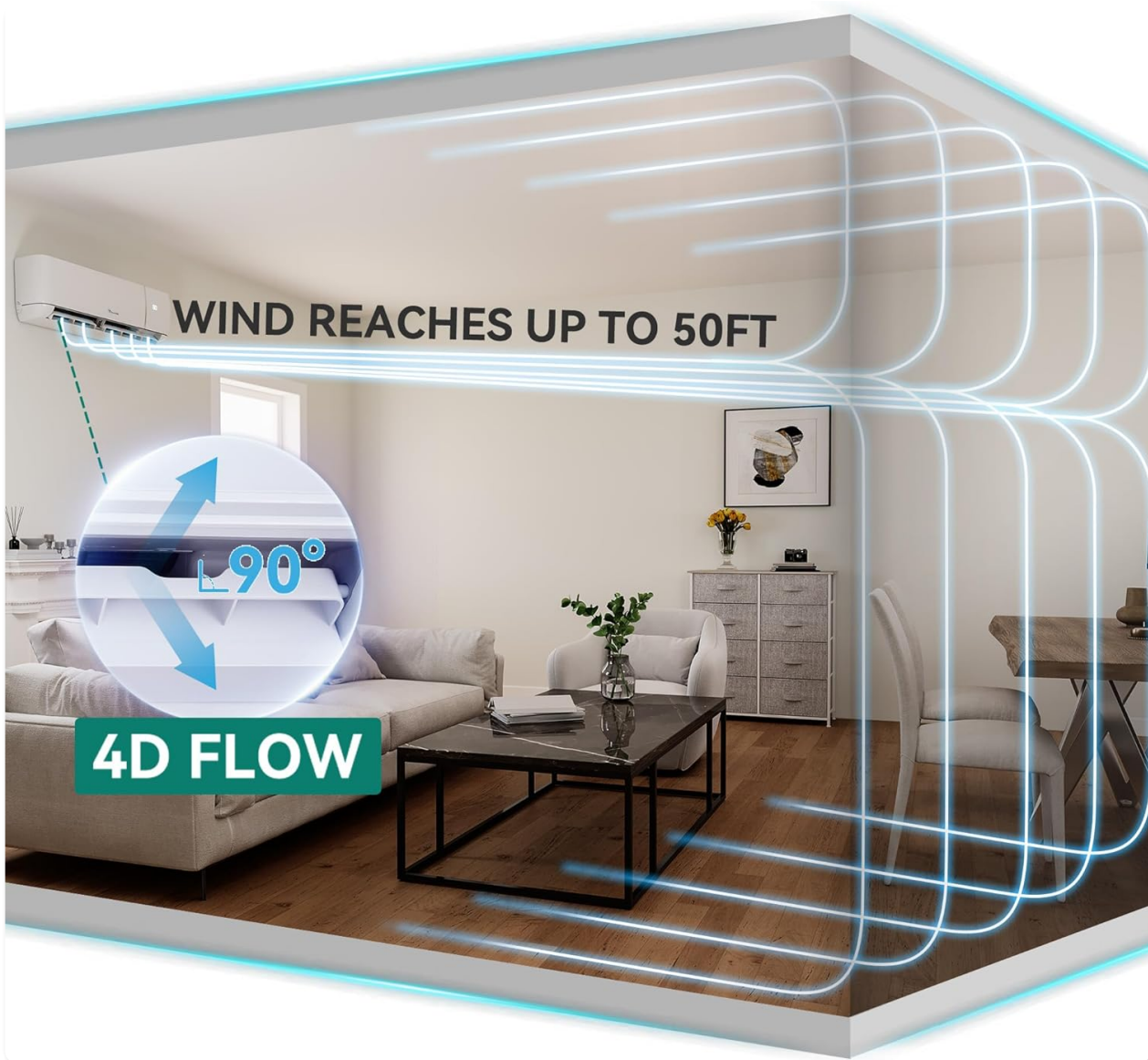


Figure 3: Illustration of 4D air circulation, demonstrating effective temperature distribution throughout the room.

### 4.3 Smart Features

- **WiFi Enabled & Alexa Compatible:** Control your unit remotely via a smartphone app or voice commands through Alexa.
- **Automatic Defrosting:** Prevents ice buildup on the outdoor unit during heating operation in cold weather.
- **Self-Diagnosis/Cleaning:** The unit can detect and display error codes, and perform self-cleaning cycles for improved efficiency.
- **iFEEL Mode:** The remote control senses the temperature around it and adjusts the unit's operation for localized comfort.
- **24-Hour Timer:** Program the unit to turn on or off at specific times.
- **Sleep Mode:** Adjusts temperature and fan speed for comfortable sleep while saving energy.
- **Energy-Saving Mode:** Optimizes operation to reduce power consumption.
- **HEALTH Mode:** Utilizes negative ions, electrostatic dust removal, and PM2.5 removal to enhance indoor air quality.



Figure 4: The YITAHOME Mini Split system can be controlled via a smartphone app and is compatible with Amazon Alexa and Google Home.

## 5. MAINTENANCE

Regular maintenance ensures the efficiency and longevity of your YITAHOME Mini Split system.

### 5.1 Air Filter Cleaning

The air filter is washable and easy to clean. It is recommended to clean the air filter every two weeks or more frequently depending on usage and air quality.

1. Open the front panel of the indoor unit.
2. Remove the air filters.
3. Clean the filters with a vacuum cleaner or wash them with lukewarm water (below 40°C).
4. Dry the filters completely in a shaded area before reinstalling.



5. Reinstall the filters and close the front panel.

## 5.2 General Cleaning

- Wipe the indoor and outdoor units with a soft, dry cloth. For stubborn dirt, use a damp cloth with a mild detergent, then wipe dry.
- Do not use harsh chemicals, abrasive cleaners, or solvents, as these can damage the unit's surface.

## 5.3 Seasonal Maintenance

- Before long periods of non-use (e.g., end of cooling season), run the unit in fan-only mode for a few hours to dry the internal components and prevent mold growth.
- Inspect the outdoor unit for any debris, leaves, or obstructions and clear them.
- Check the drain hose for blockages to ensure proper water drainage.

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Video 2: Demonstrates how to perform a water drain and leakage test on the indoor unit, an important step for maintenance.

## 6. TROUBLESHOOTING

If you encounter issues with your YITAHOME Mini Split system, refer to the following common troubleshooting steps. If the problem persists, contact customer support.

- **Unit does not turn on:** Check power supply, circuit breaker, and ensure the remote control batteries are functional.
- **Insufficient cooling/heating:** Verify correct mode selection, set temperature, clean air filters, and ensure no obstructions around indoor/outdoor units.
- **Unusual noises:** Minor noises during operation are normal. If loud or persistent, check for loose parts or contact service.
- **Water leakage from indoor unit:** Check if the drain hose is properly connected, sloped, and free from blockages.
- **Error codes:** Refer to the unit's display for specific error codes and consult the full user manual for detailed explanations and solutions.
- **Remote control not working:** Check batteries, ensure no obstructions between remote and indoor unit, and confirm the remote is set to the correct unit.

## 7. SPECIFICATIONS

Specification	Value
Brand	YITAHOME
Model Number	MAYIHoxw2t

Specification	Value
Cooling Power	12000 British Thermal Units (BTU)
Capacity	1 Tons
Seasonal Energy Efficiency Ratio (SEER2)	20
Voltage	115 Volts
Wattage	1040 watts
Noise Level	41 Decibels
Product Dimensions	7.9"D x 31.2"W x 11.5"H (Indoor Unit)
Item Weight	22 pounds (Indoor Unit)
Material	Iron, Aluminum, Plastic
Special Features	Air Purification Filter, Auto Clean, Inverter Compressor, Sleep Mode, WiFi Enabled

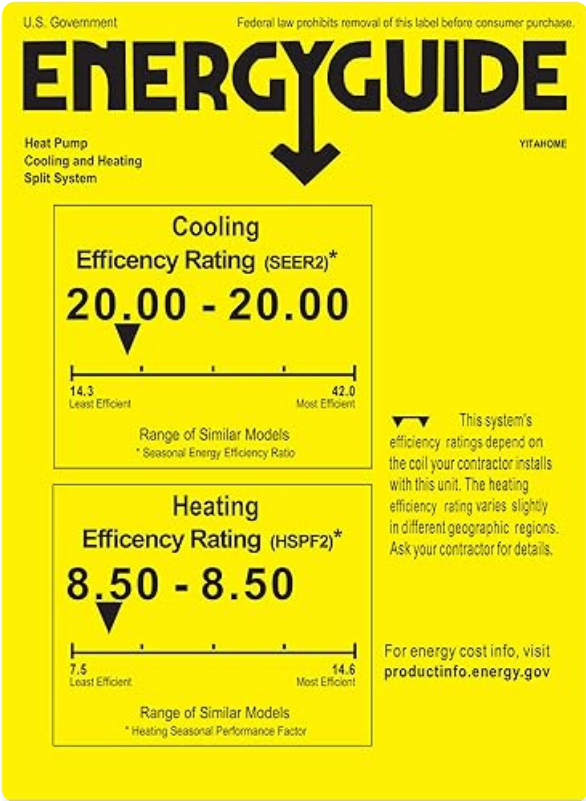


Figure 5: Energy Guide label indicating SEER2 rating and energy efficiency information.

## 8. WARRANTY AND SUPPORT

### 8.1 Warranty Information

The YITAHOME 12000 BTU Mini Split Air Conditioner Heat Pump System comes with a **5-year warranty on parts** and a **7-year warranty on the compressor**.



Figure 6: YITAHOME warranty details.

### 8.2 Customer Support

For any questions, missing or damaged parts, or technical issues, please contact the manufacturer directly. YITAHOME is committed to providing 24/7 customer support.

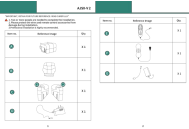

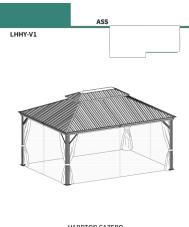


- Replace missing or damaged parts.
- Troubleshoot technical issues.



Figure 7: YITAHOME customer support contact information.

### Related Documents - MAYIHoxw2t

<div><div>CONTACT US</div><div>Pro Easy Mug Press Machine PD150</div><div></div><div>Start Here</div><div>Please read the warnings carefully to avoid potential injuries.</div></div>	<div><div><a href="#">YITAHOME Pro Easy Mug Press Machine PD150 User Guide</a></div><div>Comprehensive user guide for the YITAHOME Pro Easy Mug Press Machine (PD150), covering safety instructions, product introduction, operation, settings, and printing parameters for sublimation.</div></div>
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	<p><a href="#">AJSX-V2 Reclining Sofa Installation and Operation Guide</a></p> <p>This guide provides instructions for the installation and operation of the AJAX-V2 reclining sofa, including assembly, wiring, and usage of massage and recline functions.</p>
	<p><a href="#">YITAHOME GZDX-V1 Round Coffee Table Assembly Instructions</a></p> <p>Step-by-step assembly instructions for the YITAHOME GZDX-V1 Round Coffee Table, including parts list, contact information, and assembly notices.</p>
	<p><a href="#">LHHY-V1 Hardtop Gazebo Assembly Instructions and Guide</a></p> <p>Detailed assembly instructions and safety warnings for the LHHY-V1 Hardtop Gazebo. Learn how to properly install and use your outdoor shelter.</p>
	<p><a href="#">Assembly Instructions for Yitahome TV Stand FTLFTS-6023</a></p> <p>A comprehensive guide to assembling the Yitahome FTLFTS-6023 TV Stand, including a parts list and step-by-step instructions.</p>
	<p><a href="#">YITAHOME FTLFJC-0002 Framed Mirror Assembly Instructions</a></p> <p>Step-by-step assembly instructions for the YITAHOME FTLFJC-0002 Framed Mirror, including safety guidelines, parts list, and mounting procedures.</p>