

Garvee 49wDhS_yXcLoAb9PUhN4yAKJS2O7H

Garvee 18,000 BTU Mini Split Air Conditioner with Heat Pump, 19 SEER2 User Manual

Brand: Garvee | Model: 49wDhS_yXcLoAb9PUhN4yAKJS2O7H

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, maintenance, and troubleshooting of your Garvee 18,000 BTU Mini Split Air Conditioner with Heat Pump, 19 SEER2. Please read this manual thoroughly before installation and use to ensure safe and efficient operation. Keep this manual for future reference.

The Garvee Mini Split Air Conditioner offers:

- **Fast Cooling Capability:** Engineered for rapid cooling, effectively covering spaces up to 1,250 square feet.
- **Ideal for Home Offices:** Maintains a comfortable working temperature to enhance focus and efficiency.
- **Smart and User-Friendly Operation:** Operates within a temperature range of 61°F to 88°F with easy adjustments via remote control, including fan speed and sleep mode.
- **Ultra Quiet Performance:** Operates at noise levels between 27-42 dBA, suitable for bedrooms and quiet spaces.
- **Versatile Home Cooling Solution:** Adapts to various rooms and usage scenarios for customized comfort.

2. SAFETY INFORMATION

Important: Installation and servicing of this air conditioner must be performed by qualified personnel. Improper installation or servicing can result in electric shock, fire, or water leakage. Always follow local electrical codes and safety regulations.

- Ensure the power supply is disconnected before any installation or maintenance.

- Wear appropriate personal protective equipment (PPE), including safety glasses, gloves, and a hard hat when working at heights.
- Do not install the unit near heat sources, steam sources, or in areas with flammable or explosive gases.
- Ensure proper grounding to prevent electric shock.
- Keep the area around the indoor and outdoor units free from obstructions to ensure proper airflow.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged before proceeding with installation:

- Indoor Unit
- Outdoor Unit
- Remote Control
- Installation Kit (including copper tubing, drain hose, electrical wiring)
- Mounting Plate for Indoor Unit
- Outdoor Unit Brackets
- User Manual

Note: Additional tools and materials for installation are listed in the Installation section.

4. INSTALLATION

4.1. Necessary Tools and Materials

The following tools and materials are required for proper installation:

- Hole saw
- Multimeter
- Pipe cutter
- Hex wrenches
- Refrigerant (R410A or R32, depending on unit specifications)
- Torque wrench
- Adjustable wrench
- Tape measure
- Pressure gauge
- Safety Belt (for outdoor unit installation at height)
- Flaring tool
- Bracket (for outdoor unit)
- Level
- Phillips screwdriver
- Electroprobe
- Vacuum pump
- Pliers
- Copper tube (if not pre-charged or included)

4.2. Preparation Before Installation

Before beginning installation, ensure the environment meets the following criteria:

- No heat source or steam source nearby.
- No obstructions around the inlet and outlet of both indoor and outdoor units.
- No flammable or explosive gas, or corrosive gas present.

The wall for the indoor unit should be hard, flat, and firm to avoid vibration and noise.

Indoor Unit Position Requirements:

- To ceiling: > 15cm
- To obstacle (sides): > 20cm
- To floor: 230~260cm

4.3. Indoor Unit Installation Steps

1. Fix Mounting Plate:

Put the mounting plate on the wall and use a level to ensure it is horizontal. Select the position for screws, using no less than 5 screws. Punch holes in the wall. Use expansion screw kits to firmly fix the plate to the wall. *Note: Do not use nails to fix the plate.*



Image: A worker installing the indoor unit mounting plate on a wall, ensuring it is level and secured with screws.

2. Drill Wall Hole:

After determining where the pipe will go through the wall, drill a wall hole. *Notes: When drilling holes, make sure to avoid wires, plumbing, gas, and other sensitive components. The wall hole should be inclined outward by 5-10 degrees, with a diameter of 60-80mm. Use an anti-dust bag to avoid dust when drilling the hole.*

Video: A technician drilling a hole in a wall for the refrigerant piping, demonstrating the use of a dust bag and proper angle.

3. Installation of Connection Cable:

Pass the power cable out from the back of the indoor unit and fix it on the terminal board. Fix the cable with a clamp. *Note: Must follow the wiring diagram inside the box cover.*

4. Knock-out Panel:

According to the piping direction, remove the knock-out panel with a knife, and remove burrs to prevent the drain pipe from being broken.

5. Connection of Refrigerant Piping:

Use both hands to turn the pipe in the desired direction. *Note: It is forbidden to operate with one hand, which will make the tube to deform and rupture.* Aim at the pipe center, tighten the taper nut with fingers, then tighten the taper nut with 2 wrenches. *Note: It's better to use a torque wrench to tighten the taper nut, the required torque is shown in the picture.*

Torque Specifications for Taper Nuts

Size of pipe (mm)	Torque (N.m)
Φ6 / Φ6.35	15-25
Φ9 / Φ9.52	35-40
Φ12 / Φ12.7	45-60
Φ15.88	73-78
Φ19.05	75-80

6. Install the Drain Hose:

Connect the drain hose with the water outlet pipe, and fix it firmly with adhesive tape. The length should be more than 5cm to prevent water leakage.

7. Wrap the Piping:

Wrap refrigerant piping, wires, and drain pipe with wrapping tape.

8. Mount Indoor Unit:

Put the refrigerant piping out of the wall hole. Put the indoor unit on the mounting plate. Push the lower part of the indoor unit until a 'click' sound is heard to make sure the indoor unit is firmly fixed to the wall. To protect piping and wires, a pipe protecting ring shall be installed sealed with putty.

4.4. Outdoor Unit Installation Steps

Outdoor Unit Position Requirements:

- Outdoor unit must be installed in a firm and flat place to prevent vibration and noise.
- To the obstruction (top): > 20cm
- To the obstruction (sides): > 30cm
- Air in side: > 10cm
- Air out side: > 200cm

If installing the air conditioner to a higher place, the operator should wear a safety belt and helmet.

1. Install Outdoor Unit Bracket:

Use a level to ensure the bracket is horizontal and vertical. Use at least 6 expansion bolts to make sure brackets are fixed firmly on the wall.

2. Fix Outdoor Unit:

Put the outdoor unit onto the brackets. Use 4 screws to fix the feet of the outdoor unit.

3. Connect Refrigerant Piping:

Remove the nut from the stop valves. Aim at the pipe center of the stop valve, tighten the taper nut with fingers. Tighten the taper nut with 2 wrenches. *Note: It's better to use a torque wrench to tighten the taper nut, the required torque is shown in the table above.*

4. Vacuumize:

Connect the stop valve, charging hose, manifold valve, and vacuum pump as shown in the diagram.

Before vacuuming, check all the nuts of the indoor and outdoor unit are tightened. Turn on handle Lo to vacuumize. Vacuumize for 15 minutes at least, make sure the value on the pressure gauge is ≤ 0.1 MPa. Pressure keep for 3-5 minutes after vacuumizing, make sure pressure springback ≤ 0.05 MPa. Open 1/4 liquid valve, and remove charging hose. Open all the liquid valves and gas valves. Screw all the caps and tighten up.

5. Fix Cables:

Remove the electrical box cover. Fix cables to the terminal board according to the wiring diagram on the E-parts cover. Use a clamp to fix the cables. Put the electrical box cover back.

5. OPERATING INSTRUCTIONS

Your Garvee Mini Split AC unit can be operated using the included remote control or a compatible smart app. Familiarize yourself with the remote control functions for optimal use.

5.1. Basic Functions

- **Power On/Off:** Press the power button on the remote control.
- **Mode Selection:** Cycle through modes (Cool, Heat, Fan, Dry) using the Mode button.
- **Temperature Adjustment:** Use the Up/Down arrows to set your desired temperature (61°F to 88°F).
- **Fan Speed:** Adjust fan speed (Auto, Low, Medium, High) to your preference.

5.2. Advanced Features

- **Sleep Mode:** Optimizes temperature and fan speed for comfortable sleep and energy saving.
- **Timer Function:** Set the unit to turn on or off automatically at specific times.
- **Swing Function:** Adjust the airflow direction for even distribution.



Image: A hand holding a remote control for the AC unit, with an illustration of a smartphone app, indicating multiple control methods.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your air conditioner.

6.1. Filter Cleaning

The air filters should be cleaned regularly, typically every two weeks, or more often if the unit is used frequently or in dusty environments.

1. Turn off the power supply to the unit.
2. Open the front panel of the indoor unit.
3. Remove the air filters.
4. Clean the filters with a vacuum cleaner or wash them with lukewarm water.
5. Allow the filters to dry completely before reinstalling.
6. Close the front panel.



Image: A man removing and cleaning the air filter of an indoor AC unit, illustrating the filter cleaning reminder feature.

6.2. Self-Cleaning & Sterilization

This unit features a 56°C high-temperature self-cleaning and sterilization function to ensure fresh and clean air.

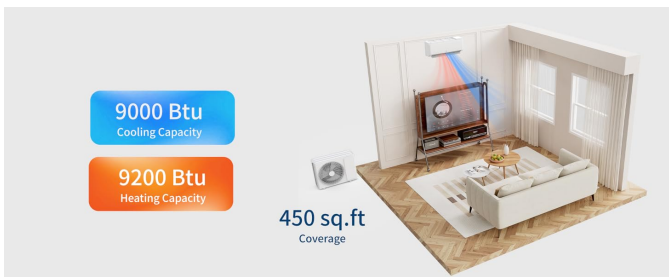


Image: An AC unit with icons representing frosting, defrosting, high-temperature drying, and 56°C high-temperature sterilization features.

7. TROUBLESHOOTING

If you encounter issues with your air conditioner, refer to the following common problems and solutions. If the problem persists, contact qualified service personnel.

Common Troubleshooting Guide

Problem	Possible Cause	Solution
Unit does not turn on	No power supply; Remote control batteries dead	Check power connection and circuit breaker; Replace remote control batteries

Problem	Possible Cause	Solution
Insufficient cooling/heating	Dirty air filters; Blocked outdoor unit; Incorrect mode setting; Room size exceeds capacity	Clean air filters; Clear obstructions from outdoor unit; Select correct mode; Ensure unit matches room size
Unusual noise	Loose parts; Unit not level; Obstruction in fan	Check for loose screws; Ensure unit is level; Remove any obstructions
Water leakage from indoor unit	Clogged drain hose; Improperly installed drain hose	Clear drain hose; Ensure drain hose is sloped correctly and securely connected
Remote control not working	Batteries dead; Obstruction between remote and unit; Remote sensor blocked	Replace batteries; Remove obstructions; Clean remote sensor area

8. SPECIFICATIONS

Garvee Mini Split Air Conditioner Specifications

Feature	Detail
Product Dimensions	37.01 x 24.25 x 30.67 inches
Item Weight	104.6 pounds
Manufacturer	Garvee
ASIN	B0F489283Z
Item model number	49wDhS_yXcLoAb9PUhN4yAKJS2O7H
Capacity	67.5 Pints
Voltage	230
Noise Level	56 Decibels
Cooling Power	18000 British Thermal Units
Special Feature	Fast Cooling
Color	White
Model Name	HJ5CESWK0



Image: Diagram showing the dimensions of the indoor and outdoor units of the Garvee Mini Split AC.

9. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your product or visit the official Garvee website. Keep your purchase receipt as proof of purchase.