

Garvee portable air conditioner

Garvee Portable Air Conditioner with Heater User Manual

Model: portable air conditioner

1. INTRODUCTION

Thank you for choosing the Garvee Portable Air Conditioner with Heater. This manual provides important information for the proper installation, operation, and maintenance of your unit. Please read it thoroughly before use and retain it for future reference.

1.1 Safety Information

- Always place the unit on a flat, stable surface.
- Ensure the power supply matches the voltage specified on the unit's rating label.
- Do not operate the unit with a damaged cord or plug.
- Keep the air intake and exhaust vents clear of obstructions.
- Do not insert objects into the unit's openings.
- Unplug the unit before cleaning or servicing.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

2. PACKAGE CONTENTS

Verify that all items are present in the package:

- Garvee Portable Air Conditioner Unit
- Remote Control
- Exhaust Hose
- Hose Connector
- Window Kit (Adjustable Window Seal Plate)
- Adapter
- User Manual

3. PRODUCT FEATURES

The Garvee Portable Air Conditioner with Heater offers versatile climate control for your space:

- **4-in-1 Functionality:** Provides Cooling, Heating, Fan, and Dehumidification modes for year-round comfort.
- **Powerful Performance:** 10,000 BTUs of cooling and heating capacity, suitable for rooms up to 450 square feet.
- **Quiet Operation:** Operates at a low noise level of 51dB, ensuring a peaceful environment.
- **Convenient Control:** Features an intuitive LED display and a remote control for easy adjustments from up to 23 feet away.
- **24-Hour Timer:** Program the unit to turn on or off automatically within a 1 to 24-hour period.
- **Dehumidification:** Removes up to 65 pints of moisture per day, reducing humidity in the room.
- **Portability:** Equipped with wheels for easy movement between rooms.

4. SETUP AND INSTALLATION

4.1 Unit Placement

Place the portable air conditioner on a firm, level surface near a window. Ensure there is at least 20 inches of space around the unit for proper airflow.

4.2 Window Kit Installation

The included window kit is designed for installation in double-hung or sliding windows. It is not suitable for casement or crank-out windows.

1. Adjust the window seal plate to fit your window opening.
2. Secure the plate in the window frame.
3. Attach the exhaust hose to the unit's exhaust port and then to the adapter on the window seal plate. Ensure a secure connection to prevent air leakage.

SUITABLE WINDOW TYPE

The following window types are not suitable



Figure 4.2.1: Illustration of suitable window types (double-hung and sliding) for the window kit installation. The diagram shows the unit with an exhaust hose connected to a window panel, indicating compatible window dimensions between 17 and 53 inches.

4.3 Power Connection

Plug the power cord into a grounded electrical outlet. Do not use extension cords or power strips.

5. OPERATING INSTRUCTIONS

5.1 Control Panel and Remote Control

The unit can be operated using the touch control panel on top of the unit or the included remote control.



Figure 5.1.1: The unit's touch control panel and remote control. The panel displays temperature and mode indicators (Cool, Dehum, Fan, Sleep Mode), while the remote offers full control over functions like speed, temperature, mode, timer, and power.

5.2 Operating Modes

Press the **MODE** button to cycle through the available modes:

- **Cooling Mode:** Provides cooling. Use the **TEMP+** and **TEMP-** buttons to set the desired temperature (61°F to 88°F).
- **Heating Mode:** Provides heating. Use the **TEMP+** and **TEMP-** buttons to set the desired temperature (61°F to 88°F).
- **Fan Mode:** Circulates air without cooling or heating. Adjust fan speed (Low, Medium, High) using the **SPEED** button.
- **Dehumidifier Mode:** Removes moisture from the air. The unit will operate at a fixed fan speed.



Figure 5.2.1: Visual representation of the unit's dual functionality, showing blue arrows for cool air output and orange arrows for warm air output, indicating its cooling and heating capabilities.

5.3 Timer Function

Press the **TIMER** button to set the desired operating duration (1-24 hours) for automatic shut-off or turn-on.

5.4 Sleep Mode

Activate Sleep Mode for quieter operation and gradual temperature adjustments during sleep. This mode is designed to maintain comfort while minimizing disturbance.



Figure 5.4.1: The portable air conditioner in a bedroom setting, illustrating its quiet operation (48dB) and suitability for sleep mode, with a graphic representing advanced noise isolation.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your unit.

6.1 Air Filter Cleaning

The air filter should be cleaned every two weeks or more frequently depending on usage. A dirty filter can reduce efficiency.

1. Unplug the unit from the power outlet.
2. Remove the air filter from the back or side of the unit.
3. Wash the filter with warm, soapy water. Rinse thoroughly.
4. Allow the filter to air dry completely before reinstalling.

6.2 Water Drainage

In Dehumidifier mode or high humidity conditions, the internal water tank may fill. The unit will stop operating and display a 'Full' indicator. Drain the water using the drain port at the bottom of the unit.

6.3 Exterior Cleaning

Wipe the exterior of the unit with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.

6.4 Storage

If storing the unit for an extended period, ensure it is completely drained of water, clean the air filter, and store it in a dry, upright position.

7. TROUBLESHOOTING

Refer to this section for common issues and their solutions.

- **Unit does not turn on:** Check if the power cord is securely plugged in. Ensure the outlet is functional. Check for a full water tank indicator.
- **Unit is not cooling/heating effectively:** Verify the selected mode and temperature setting. Ensure the air filter is clean. Check that the exhaust hose is properly installed and not obstructed. Close windows and doors in the room.
- **Water full indicator is on:** Drain the water from the unit.
- **Unusual noise:** Ensure the unit is on a flat surface. Check for any foreign objects in the air vents.

If the problem persists after following these steps, please contact customer support.

8. SPECIFICATIONS

Feature	Specification
Model Name	portable air conditioner

Feature	Specification
Cooling Power	10,000 BTUs
Heating Capacity	10,000 BTUs
Coverage Area	Up to 450 Sq.Ft
Dehumidification Capacity	65 Pints per day
Noise Level	51 Decibels
Voltage	110V
Wattage	1450W
Product Dimensions (D x W x H)	15.87" x 13.15" x 34.84"
Item Weight	54.9 pounds
Included Components	Adapter, Exhaust Hose, Hose Connector, Remote Control, Window Kits

8.1 BTU Coverage Guide

The following table provides a general guide for BTU cooling capacity based on room size. Room occupancy, sunlight exposure, and insulation can affect the required BTU capacity.

HOW TO CHOOSE



Ashrae	Minimum	Maximum
8K BTU	250 Sq Ft	350 Sq Ft
10K BTU	350 Sq Ft	450 Sq Ft
12K BTU	450 Sq Ft	550 Sq Ft
14K BTU	600 Sq Ft	750 Sq Ft

Explanation:

- * The BTU cooling capacity in the table meets ASHRAE standards.
- * Room occupancy, sunlight, and insulation affect the needed BTU capacity.
- * Consult a professional to choose the right-sized portable air conditioner, as BTU requirements vary.

Figure 8.1.1: A chart detailing ASHRAE-compliant BTU cooling capacity recommendations for various room sizes. For example, 10K BTU is recommended for 350-450 sq ft.

9. WARRANTY AND SUPPORT

9.1 Warranty Information

This Garvee Portable Air Conditioner with Heater comes with a **1-Year Warranty** from the date of purchase.

This warranty covers manufacturing defects and malfunctions under normal use. It does not cover damage caused by misuse, accident, unauthorized repairs, or improper installation.

9.2 Customer Support

For technical assistance, warranty claims, or any questions regarding your Garvee product, please refer to the contact information provided on your purchase receipt or visit the official Garvee website.