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Garvee 409-LNWVASQS1FVD1-F-CCYXABTIV

Garvee 12000 BTU Mini Split Air Conditioner User Manual

Model: 409-LNWVASQS1FVD1-F-CCYXABTIV

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Garvee 12000 BTU Mini Split Air Conditioner. This 22 SEER2 ductless inverter AC unit with a heat pump system is designed to provide efficient cooling and heating for spaces up to 750 sq. ft. Please read this manual thoroughly before using the appliance and retain it for future reference.



Image 1: Overview of the Garvee Mini Split Air Conditioner, highlighting its 750 sq. ft. coverage, 12000 BTU cooling capacity, and 12300 BTU heating capacity.

2. Safety Information

To prevent injury to the user or other people and property damage, the following instructions must be followed. Incorrect operation due to ignoring instructions may cause harm or damage.

- **Professional Installation Required:** Installation of this appliance must be performed by qualified and authorized personnel in accordance with all national wiring regulations.
- **Power Supply:** Ensure the unit is connected to a 230V power supply. Do not use extension cords or multi-outlet adapters.
- **Grounding:** The unit must be properly grounded to prevent electric shock.
- **Maintenance:** Disconnect power before cleaning or performing any maintenance. Only qualified service personnel should perform repairs.
- **Refrigerant:** This unit uses R32 refrigerant. Handle with care and ensure proper ventilation during installation and servicing.
- **Clearances:** Maintain adequate clearances around both indoor and outdoor units for proper airflow and operation.
- **Children and Pets:** Keep children and pets away from the unit, especially during operation and maintenance.

3. Package Contents

Upon unpacking, verify that all items listed below are present and undamaged:

- Indoor Unit
- Outdoor Unit
- Remote Control
- Installation Kit (Piping, Wiring, Drain Hose, etc.)
- User Manual

Note: Installation brackets are not included and must be purchased separately.

4. Product Overview

The Garvee Mini Split Air Conditioner is a high-efficiency, ductless system designed for year-round comfort. It features a 4-in-1 functionality, offering Cooling, Heating, Dry, and Fan-Only modes. The unit incorporates an AI-driven vector inverter for precise temperature control and energy savings.

- **Indoor Unit:** Mounted on an interior wall, it delivers conditioned air into the room.
- **Outdoor Unit:** Houses the compressor and condenser, located outside the building. It is 23% smaller than standard models for easier placement.
- **Remote Control:** Provides convenient access to all operating functions and settings.
- **Inverter Technology:** Ensures precise temperature control within ±0.1 °C (0.18 °F) and reduces energy consumption by over 25% compared to conventional units.
- **Quiet Operation:** Advanced acoustic insulation keeps noise levels as low as 23 dB in Sleep mode.

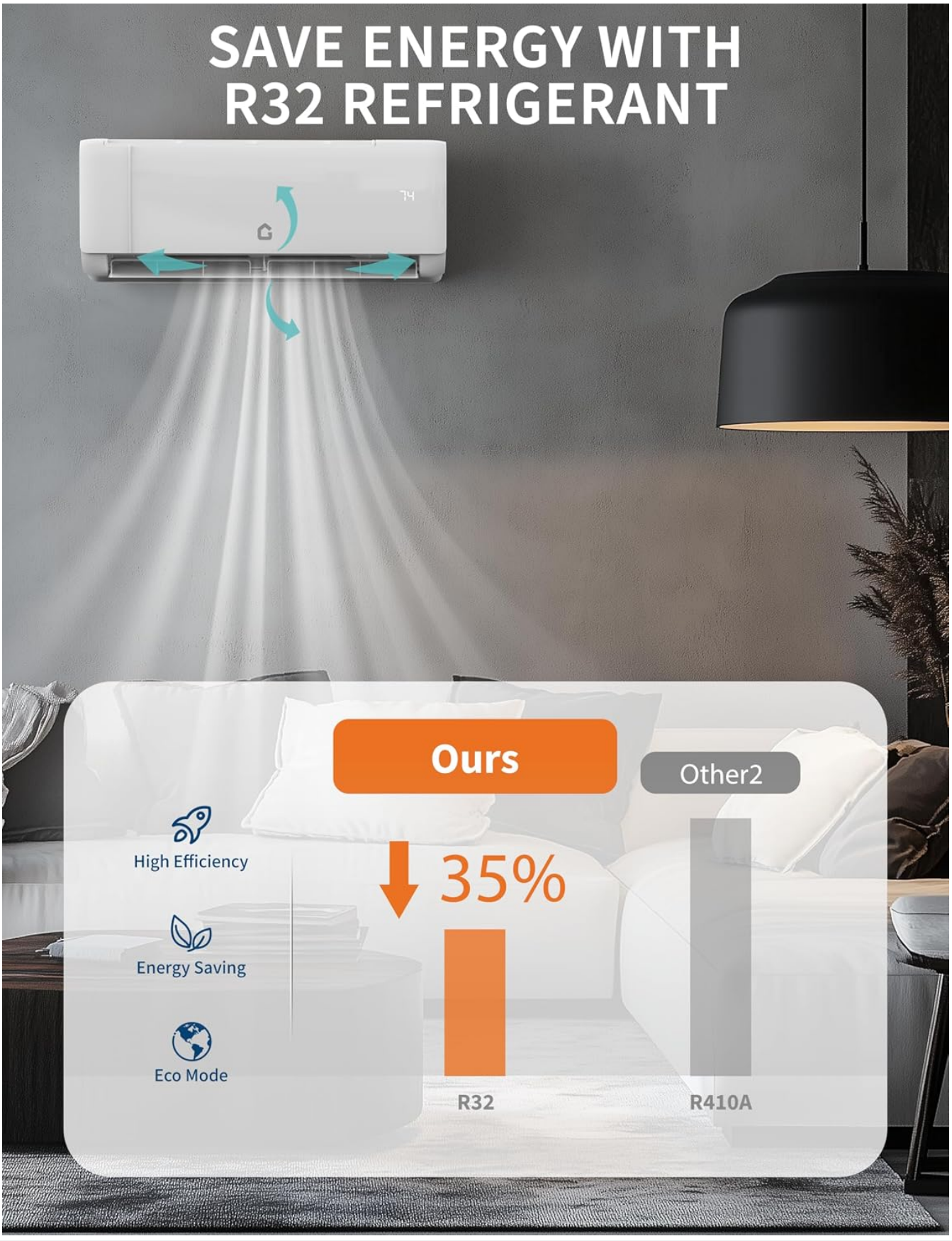

Image 2: Illustration of energy savings achieved with R32 refrigerant, demonstrating a 35% reduction in energy consumption compared to R410A.

5. Setup and Installation

Important: Professional installation is required for this mini-split air conditioner to ensure compliance with local codes, optimal performance, and warranty validity. Do not attempt to install this unit yourself unless you are a certified HVAC

technician.

5.1 Pre-Installation Checks

- Verify the power supply matches the unit's requirements (230V).
- Ensure the installation area for both indoor and outdoor units has sufficient space and structural integrity.
- Confirm all components from the package contents are present.

5.2 Unit Dimensions

Consider the following dimensions for proper placement and installation:

- **Indoor Unit:** Approximately 29.96" W x 7.87" D x 11.61" H
- **Outdoor Unit:** Approximately 29.61" W x 11.73" D x 22.28" H



Image 3: Detailed dimensions for both the indoor and outdoor units, aiding in proper installation planning.

5.3 Installation Steps (Overview for Professional)

1. Mount the indoor unit on the wall.
2. Install the outdoor unit on a stable surface, ensuring proper drainage.
3. Connect refrigerant lines and electrical wiring between the indoor and outdoor units.

4. Perform vacuuming and refrigerant charging.
5. Connect the drain hose.
6. Test the system for leaks and proper operation.

6. Operating Instructions

Your Garvee Mini Split AC offers various modes and features for optimal comfort. The unit can be controlled via the included remote control or through Alexa compatibility.

6.1 Remote Control Functions

The remote control allows you to adjust settings from anywhere in the room. Point the remote control directly at the indoor unit when operating.



Image 4: Remote control in use, demonstrating convenient appliance control.

- **Power Button:** Turns the unit ON or OFF.
- **Mode Button:** Cycles through Cooling, Heating, Dry, and Fan-Only modes.
- **Temperature Adjustment:** Use the Up/Down arrows to set the desired temperature.
- **Fan Speed:** Adjusts the fan speed (Auto, Low, Medium, High).

- **Swing Button:** Activates or deactivates the 4-way auto-swing function for uniform air distribution.
- **Sleep Mode:** Activates quiet operation, reducing noise levels to 23 dB.
- **Timer Function:** Set the unit to turn ON or OFF automatically.

6.2 Operating Modes

- **Cooling Mode:** Provides rapid cooling, reaching desired temperatures in approximately 30 seconds.
- **Heating Mode:** Delivers turbo-heating, reaching desired temperatures in approximately 60 seconds.
- **Dry Mode:** Dehumidifies the room without significant temperature change.
- **Fan-Only Mode:** Circulates air without cooling or heating.

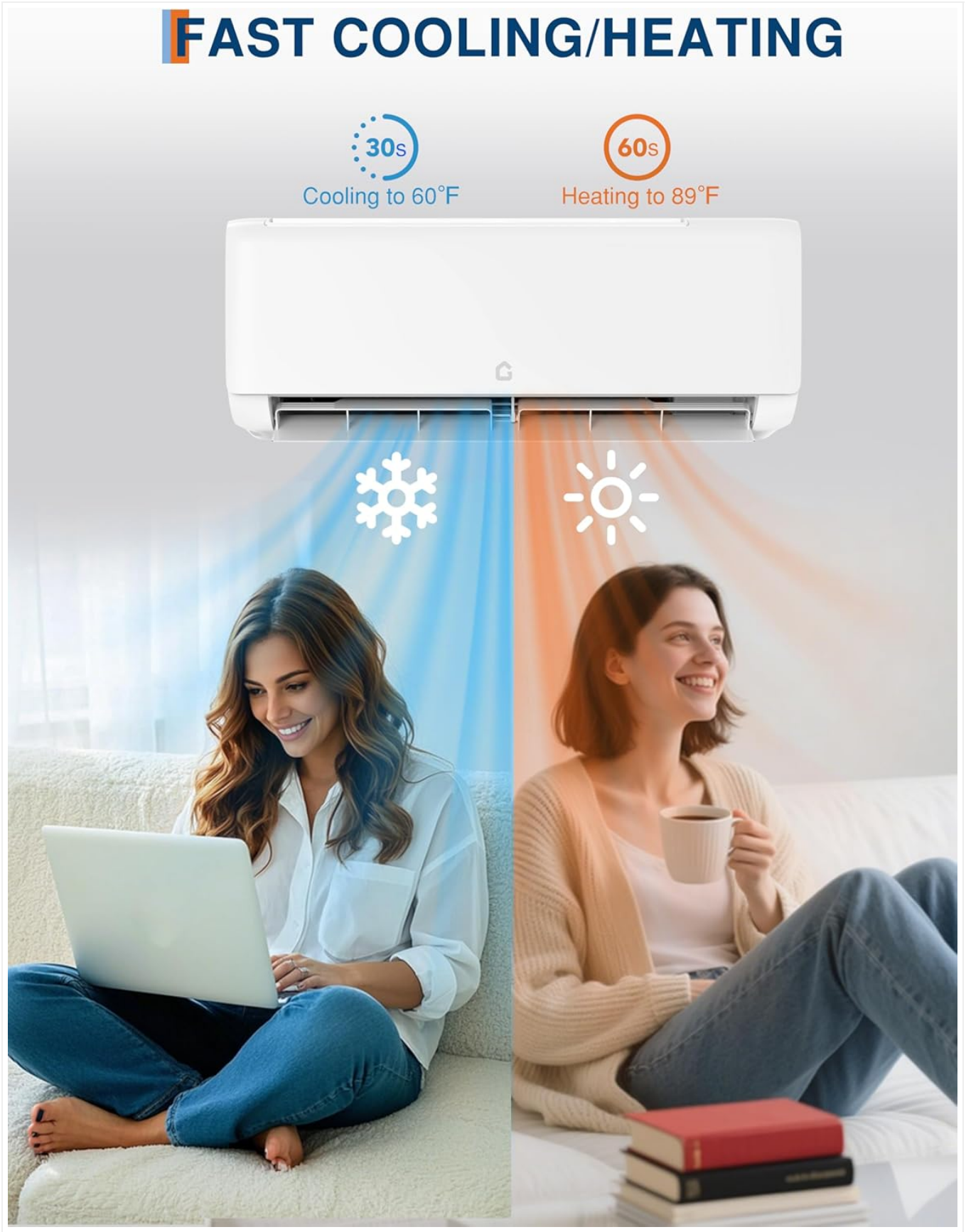

Image 5: Demonstration of the unit's fast cooling and heating capabilities.

6.3 Quiet Performance

The Garvee Mini Split AC is designed for quiet operation, making it suitable for bedrooms and nurseries. In Sleep mode, the noise level can be as low as 23 dB.



Image 6: Illustrates the quiet operation of the unit, with noise levels as low as 23 dB in Sleep mode, ideal for tranquil nights.

6.4 Alexa Compatibility

This unit is compatible with Alexa for voice control. Refer to the separate Alexa integration guide or the Garvee website for detailed setup instructions.

7. Maintenance

Regular maintenance ensures optimal performance and extends the lifespan of your air conditioner. Always disconnect power before performing any maintenance.

7.1 Air Filter Cleaning

- The air filters should be cleaned every two weeks or more frequently depending on usage and air quality.
- Open the front panel of the indoor unit.
- Remove the air filters.
- Wash the filters with lukewarm water and a mild detergent. Rinse thoroughly.
- Allow filters to dry completely in a shaded area before reinserting them.

7.2 Outdoor Unit Cleaning

- Periodically check the outdoor unit for debris, leaves, or dirt accumulation.
- Gently clean the coils and fins with a soft brush or vacuum cleaner. Do not bend the fins.
- Ensure the area around the outdoor unit is clear to allow for proper airflow.

7.3 Professional Servicing

It is recommended to have a qualified HVAC technician inspect and service your unit annually to ensure efficient and safe operation.

8. Troubleshooting

Before contacting customer service, refer to the following common issues and their potential solutions.

Problem	Possible Cause	Solution
Unit does not turn on.	No power, circuit breaker tripped, remote control batteries dead.	Check power supply, reset circuit breaker, replace remote control batteries.
Insufficient cooling/heating.	Dirty air filters, blocked outdoor unit, incorrect mode/temperature setting, low refrigerant.	Clean air filters, clear obstructions from outdoor unit, verify settings, contact professional for refrigerant check.
Unusual noise.	Loose parts, foreign objects, compressor issue.	Check for loose parts, remove foreign objects, contact professional if noise persists.
Water leakage from indoor unit.	Blocked drain hose, improper installation.	Clear drain hose, contact professional for inspection.

If the problem persists after attempting these solutions, please contact Garvee customer service.

9. Specifications

Feature	Detail

Feature	Detail
Brand	Garvee
Model Number	409-LNWVASQS1FVD1-F-CCYXABTIV
Cooling Power	12000 BTU
Heating Power	12300 BTU
Coverage Area	Up to 750 sq. ft.
SEER2 Rating	22
Voltage	230V
Noise Level (Sleep Mode)	As low as 23 dB
Refrigerant Type	R32
Indoor Unit Dimensions (D x W x H)	Approx. 7.87"D x 29.96"W x 11.61"H
Outdoor Unit Dimensions (D x W x H)	Approx. 11.73"D x 29.61"W x 22.28"H
Control Method	Remote, Voice (Alexa Compatible)
Weight	84.88 Pounds (total unit weight)

10. Warranty and Support

Your Garvee Mini Split Air Conditioner is backed by a manufacturer's warranty. Please refer to the details below:

- **Warranty Period:** 5-year manufacturer's warranty.
- **Coverage:** This warranty covers shipping damage, normal-use part failures, and any functional defects.
- **Claim Process:** For installation guidance, troubleshooting, or replacement parts, contact Garvee customer service directly. Do not incur unnecessary third-party fees without prior consultation.
- **Contact:** Refer to the Garvee official website or your purchase documentation for customer service contact information.

Note: The unit ships in two packages, which may arrive separately.

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Details

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