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> GarveeTech Mini Split AC/Heating System A029B User Manual

GarveeTech A029B

GarveeTech Mini Split AC/Heating System A029B User Manual

Model: A029B | Brand: GarveeTech

1. SAFETY INFORMATION

Please read this manual carefully before installation and use. Keep this manual for future reference. Always follow local and national electrical codes. Installation must be performed by qualified personnel.

- Ensure the power supply matches the unit's requirements (115V for this model).
- Do not block air inlets or outlets.
- Ensure proper grounding to prevent electric shock.
- Do not attempt to repair the unit yourself. Contact qualified service personnel.
- Keep children and pets away from the outdoor unit.

2. PACKAGE CONTENTS

Verify all components are present before beginning installation.

- Indoor Unit (Evaporator)
- Outdoor Unit (Condenser)
- Remote Control with Batteries
- Line Set (Pre-insulated refrigerant lines)
- Communication Cable
- Drain Hose
- Installation Plate for Indoor Unit
- Installation Manual
- UV Tape and Sealant Putty



Image: All components included with the GarveeTech Mini Split AC/Heating System.

3. PRODUCT OVERVIEW & FEATURES

The GarveeTech Mini Split AC/Heating System A029B offers efficient climate control with advanced features for comfort and convenience.

- **Inverter Technology:** Provides energy-efficient operation by adjusting compressor speed.
- **Wi-Fi Connectivity:** Control your unit remotely via a smartphone app.
- **4-in-1 Functionality:** Offers Cooling, Heating, Fan, and Dehumidifier modes.
- **Quiet Operation:** Designed for low noise levels, especially in sleep mode (as low as 23dB).
- **Fast Cooling/Heating:** Rapidly reaches desired temperatures (e.g., 60°F in 30s, 89°F in 60s).
- **Self-Cleaning:** Features a 56°C high-temperature self-cleaning function for fresh air.
- **Auto-Restart:** Automatically resumes previous settings after a power outage.

FAST COOLING/HEATING



Image: The indoor unit demonstrating rapid cooling and heating functions.

TRANQUIL NIGHT, UNINTERRUPTED SLUMBER

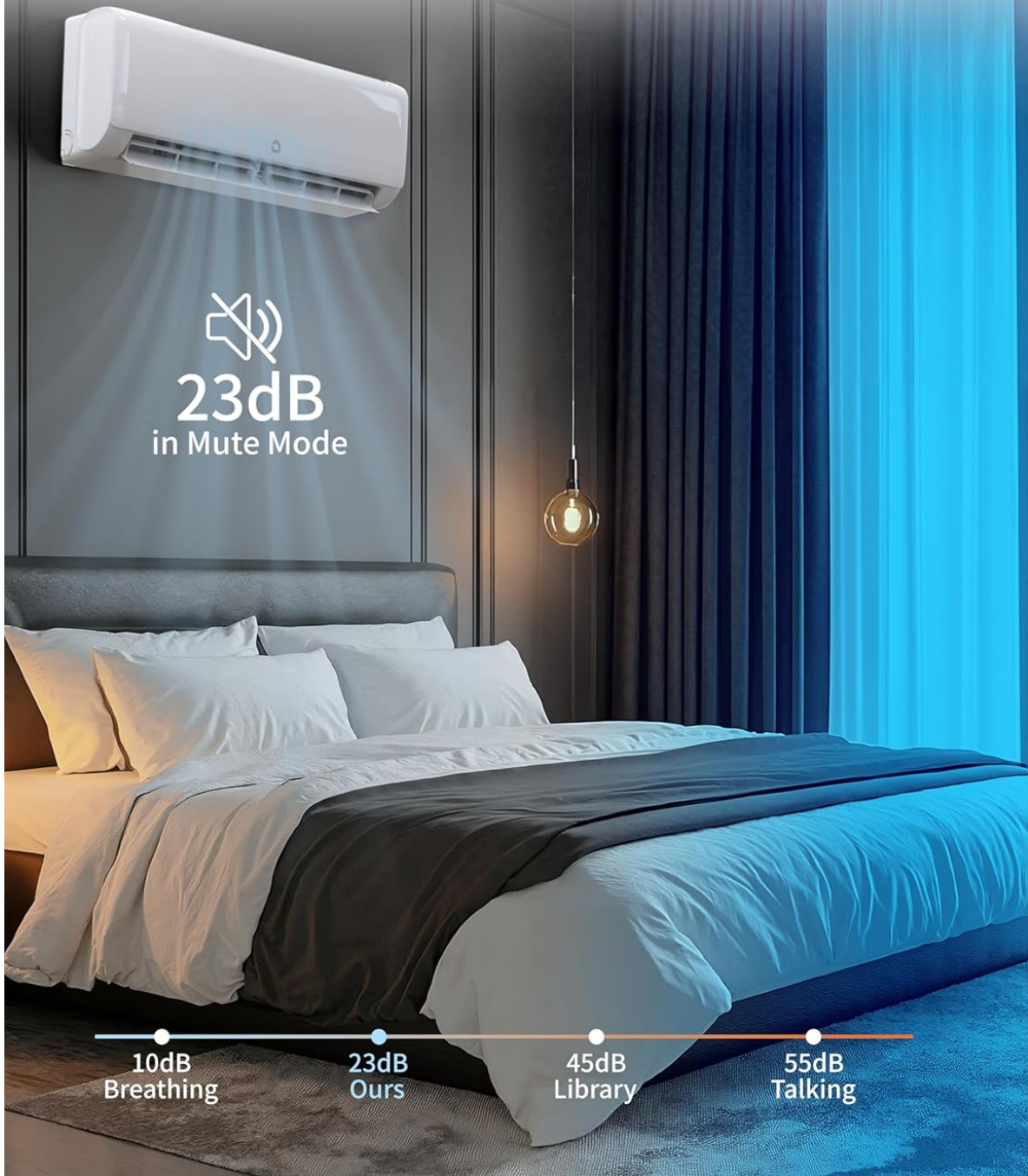


Image: The indoor unit operating quietly in a bedroom setting.

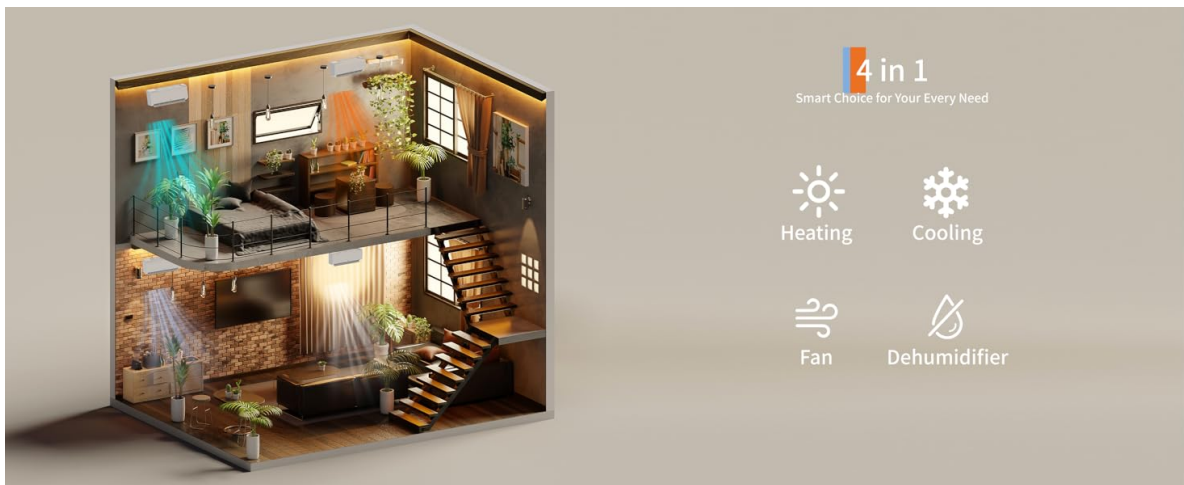


Image: Visual representation of the unit's four operating modes.

Your browser does not support the video tag.

Video: An overview of the GarveeTech Mini Split AC/Heating System, highlighting its features and benefits.

4. INSTALLATION GUIDE

Installation requires specific tools and knowledge of HVAC and electrical systems. It is recommended to consult a qualified technician.

4.1 Mounting Indoor Unit

- Use the provided template to mark drilling points for the mounting plate.
- Drill holes for the mounting plate and the line set penetration.
- Securely attach the mounting plate to the wall, ensuring it is level.

4.2 Mounting Outdoor Unit

- Choose a stable, level location for the outdoor unit, away from obstructions.
- Ensure adequate clearance around the unit for proper airflow and maintenance.
- Secure the outdoor unit using appropriate anchors (e.g., to a concrete pad or wall-mounted bracket).

4.3 Electrical Connections

- Connect the communication cable between the indoor and outdoor units, matching numbered and color-coded wires.
- Connect the main power supply (115V) to the outdoor unit's electrical terminal block.
- Ensure all connections are secure and properly grounded.
- Install a disconnect switch near the outdoor unit for safety and maintenance.

4.4 Line Set Connections & Vacuuming

- Carefully connect the pre-insulated line sets to the indoor and outdoor units, ensuring proper flare connections.
- Use a torque wrench to tighten flare nuts to specified values to prevent leaks.
- Connect a vacuum pump to the service port on the outdoor unit.
- Evacuate the system to remove air and moisture (typically for 15-45 minutes).
- Close the service valves and disconnect the vacuum pump.
- Release the refrigerant into the system by opening the service valves on the outdoor unit.

Your browser does not support the video tag.

Video: Detailed steps for installing and setting up the GarveeTech Mini Split AC unit.

Your browser does not support the video tag.

Video: A review and installation guide emphasizing important details for the Garvee Mini Split.

5. SETUP (WI-FI & REMOTE)

5.1 Remote Control

The unit comes with a remote control (Model YKR-H/101E) that allows full control of all functions from up to 26 feet away.

- **ON/OFF:** Power the unit on or off.
- **MODE:** Cycle through Auto, Cool, Dry, Heat, and Fan modes.
- **SET Temperature:** Adjust desired temperature using UP/DOWN arrows.
- **FAN Speed:** Select High, Mid, Low, or Auto fan speed.
- **SWING:** Adjust the vertical and horizontal airflow direction.
- **SLEEP:** Activates a quiet, energy-saving sleep mode.
- **TIMER:** Set a timer for automatic on/off operation.
- **iFEEL:** Activates a sensor in the remote to measure ambient temperature for more precise control.
- **ECO:** Engages energy-saving mode.
- **iCLEAN:** Initiates the self-cleaning cycle.

DISCOVER THE CONVENIENCE OF ADVANCED APPLIANCE CONTROL

Convenient Remote Control



Image: The remote control for the GarveeTech Mini Split AC/Heating System.

5.2 Wi-Fi Connectivity

Control your GarveeTech Mini Split from anywhere using the AC Freedom smartphone app.

- Download the