

GarveeTech A029B

GarveeTech 12000 BTU Mini Split AC with Heat Pump System User Manual

Brand: GarveeTech | Model: A029B

1. PRODUCT OVERVIEW

The GarveeTech 12000 BTU Mini Split Air Conditioner with Heat Pump System (Model A029B) provides efficient year-round climate control for spaces up to 750 sq ft. This 4-in-1 unit offers rapid cooling, turbo-heating, dehumidification, and fan-only modes, all while maintaining a high 22 SEER2 energy efficiency rating.

- **Year-Round 4-in-1 Comfort:** Delivers 12,000 BTU of rapid cooling in 30 seconds and 12,300 BTU of turbo-heating in 60 seconds. Effectively conditions areas up to 750 sq ft within a 60–90 °F comfort range. Features Cooling, Heating, Dry, and Fan-Only modes with 4-way swing for uniform air distribution.
- **Precision Climate Control & Energy Savings:** An AI-driven vector inverter maintains setpoint to ± 0.1 °C (0.18 °F) at 1 Hz, reducing energy use by over 25%. ETL and AHRI certified with a 22 SEER2 rating, outperforming conventional units by more than 34%.
- **Smart Connectivity & Hands-Free Operation:** Built-in Wi-Fi 2.0 allows control via a dedicated app. Compatible with Alexa and Google Assistant for voice commands. The full-function remote operates up to 26 ft away.
- **Whisper-Quiet Performance:** Advanced torque-compensation and dual-layer acoustic insulation keep noise levels between 41 dB in Turbo mode and as low as 23 dB in Sleep mode.
- **Space-Saving Design:** The outdoor unit is 23% smaller than standard models, suitable for tight spaces.

2. PACKAGE CONTENTS

The GarveeTech Mini Split AC system is shipped in two packages, which may arrive separately. Please verify all components upon delivery.

- Outdoor unit
- Indoor unit
- Mounting accessories (remote control, batteries, copper lines, electrical wires, drain tube, putty, tape,

hardware)

3. SETUP AND INSTALLATION

Professional installation is required for compliance and optimal performance. Installation brackets are not included. Refer to the detailed installation videos for guidance.

3.1 Indoor Unit Placement and Dimensions

Ensure the indoor unit is placed in a location that allows for proper airflow and maintenance. Consider the unit's dimensions for optimal positioning.



Image: Diagram showing the dimensions of the indoor unit (11.61"D x 29.96"W x 7.87"H) and outdoor unit (11.73"D x 29.61"W x 22.28"H) in a bedroom setting.

3.2 Installation Process Overview

The installation involves mounting both indoor and outdoor units, connecting refrigerant lines, electrical wiring, and ensuring proper drainage. A vacuum pump is required to remove air from the system before releasing refrigerant.

Video: Detailed guide on the installation methods for the GarveeTech Mini Split Air Conditioner & Heater.

Video: Comprehensive installation guide for the Split Air Conditioner, covering various steps from mounting to connections.

4. OPERATING INSTRUCTIONS

The GarveeTech Mini Split AC can be controlled via the included remote control, a dedicated mobile app (Wi-Fi 2.0), or voice commands through Alexa and Google Assistant.

4.1 Remote Control Functions

The full-function remote allows you to power on/off, change modes (Cooling, Heating, Dry, Fan-Only), adjust temperature, set fan speed, and activate special features like Turbo and Sleep modes.

DISCOVER THE CONVENIENCE OF ADVANCED APPLIANCE CONTROL

Select Your Desired Method Of Operation



Image: Illustration showing the remote control and mobile app icons for controlling the mini split unit in a living room.

4.2 Wi-Fi and Smart Home Integration

Utilize the built-in Wi-Fi 2.0 to connect the unit to your smartphone app for remote control and scheduling. Voice control is available through Alexa and Google Assistant.

Video: Guide on connecting the GarveeTech Split AC to Wi-Fi for smart control.

4.3 Modes and Features

- **Cooling Mode:** Provides rapid cooling, ideal for hot weather.

- **Heating Mode:** Offers turbo-heating for colder conditions.
- **Dry Mode:** Dehumidifies the air, reducing moisture.
- **Fan-Only Mode:** Circulates air without heating or cooling.
- **4-Way Swing:** Ensures uniform air distribution throughout the room.
- **Turbo Mode:** Provides maximum cooling or heating power.
- **Sleep Mode:** Operates at a low noise level (23 dB) for undisturbed rest.

5. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your GarveeTech Mini Split AC unit.

5.1 Filter Cleaning

The unit features an Air Purification Filter and a Filter Light Reminder. Clean filters regularly to maintain air quality and efficiency.

5.2 Self-Cleaning Function

Utilize the 56°C High Temperature Self-cleaning feature to enjoy fresh and clean air.

6. TROUBLESHOOTING

If you encounter any issues with your unit, please refer to the troubleshooting section in the full user manual or contact customer service.

- **Wi-Fi Connection Issues:** Ensure your router settings are not blocking connections from new devices. Refer to the Wi-Fi connection guide video for detailed steps.
- **Temperature Display:** The remote control may default to Celsius. Refer to the remote control instructions to switch to Fahrenheit if desired.
- **Unusual Noises:** While the unit is designed for quiet operation, any unusual sounds should be investigated.

7. SPECIFICATIONS

Feature	Specification
Brand Name	GarveeTech
Model Info	A029B
Cooling Power	12000 British Thermal Units
Heating Power	12300 British Thermal Units
SEER2 Rating	22

Voltage	115 Volts
Wattage	3605 watts
Noise Level (Min)	23 Decibels
Floor Area Coverage	750 Square Feet
Indoor Unit Dimensions	11.61"D x 29.96"W x 7.87"H
Outdoor Unit Dimensions	31.13 x 23.62 x 28.78 inches

8. WARRANTY AND SUPPORT

The GarveeTech Mini Split AC comes with a 5-year manufacturer's warranty covering shipping damage, normal-use part failures, and any functional defects. For installation guidance, troubleshooting, or replacement parts, please contact our customer service team first to avoid unnecessary third-party fees.