Garvee 2026 NEW-12K-115V-22 SEER2-WIFI 2.0

GarveeHome 12000 BTU Inverter Split System Air Conditioner User Manual

Model: 2026 NEW-12K-115V-22 SEER2-WIFI 2.0

1. Introduction

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your GarveeHome 12000 BTU Inverter Split System Air Conditioner. Please read this manual thoroughly before installation and use, and retain it for future reference.
The GarveeHome 12000 BTU Inverter Split System is a versatile unit designed for energy-efficient cooling and heating, suitable for spaces up to 750 square feet. It features inverter technology, multiple operating modes, and smart Wi-Fi control.

2. Safety Information

Important Safety Instructions:

- Installation must be performed by a qualified professional to prevent electric shock, fire, or serious injury.
- Ensure the power supply matches the unit's specifications (115V).
- Do not attempt to repair or modify the air conditioner yourself. Contact qualified service personnel.
- Keep the area around the outdoor unit clear of obstructions to ensure proper airflow.
- Do not insert objects into the air outlet or inlet.
- Ensure proper grounding to prevent electrical hazards.
- Regularly clean air filters to maintain efficiency and air quality.

3. Package Contents

Verify that all components are present before beginning installation.

Figure 3.1: Package List - This image displays the main components included in the package: the indoor unit, outdoor unit, copper connection pipes (air and liquid), power line, communication wire, drain pipe, remote control, user manual, tape, and putty.

- Indoor Unit
- Outdoor Unit
- 13 ft Copper Connection Pipe (Air Pipe)
- 13 ft Copper Connection Pipe (Liquid Pipe)
- 8 ft Power Line
- 15 ft Communication Wire
- 6.5 ft Drain Pipe
- Remote Control
- User Manual (this document)
- Tape
- Luting (Putty)

4. Installation Guide

Installation of this split system requires specialized tools and knowledge. It is highly recommended that installation be performed by a certified HVAC professional.

4.1 Indoor Unit Installation

The wall for the indoor unit installation must be hard and firm to prevent vibration. Ensure adequate clearance around the unit for proper airflow and maintenance.

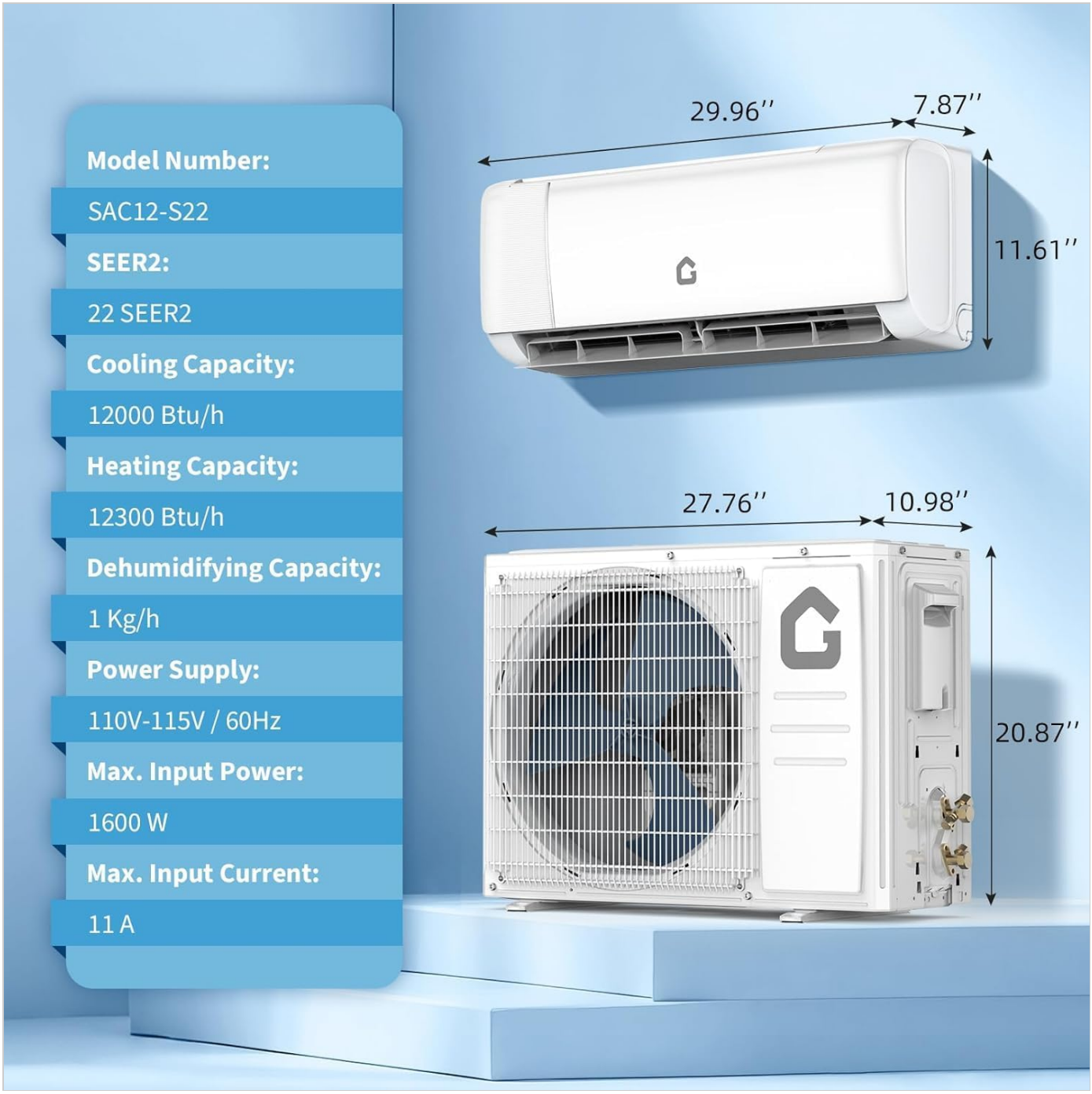

Figure 4.1: Indoor Unit Clearance Requirements - This diagram illustrates the minimum recommended distances from the indoor unit to the ceiling, side walls, and floor to ensure optimal operation and maintenance access.

1. **Mounting Plate Installation:** Drill holes and use appropriate screws to fasten the mounting plate horizontally and vertically on the wall.
2. **Wall Hole for Piping:** Create a wall hole (typically Ø60mm-Ø80mm) for refrigerant piping, ensuring it slopes slightly downward to facilitate drainage. Avoid pre-buried power wires or hard wall sections.

3. **Power Cable Connection:** Pass the power cable from the back of the indoor unit to the terminal board. Secure the cable with a clamp.
4. **Piping Connection:** Connect the connecting pipes to the indoor unit. Aim at the pipe center, tighten the taper nut with fingers, then use a torque wrench to secure it according to the specified torque values (refer to the table in the video for pipe size and torque). Carefully check for any damage to joints before installation. Do not reuse joints unless re-flared.
5. **Insulation and Sealing:** Use insulation sleeves to wrap the joint parts of the indoor unit and connection pipes. Seal insulation material to prevent condensate water generation.
6. **Drain Hose Connection:** Connect the water outlet with the drain pipe, ensuring the drain hose is straight and slopes downward.
7. **Wrapping Pipes and Cables:** Use plastic cable ties to wrap the connecting pipes, cables, and drain hose together. Run the assembly sloping downward.
8. **Refrigerant Piping Through Wall:** Carefully guide the wrapped refrigerant piping through the wall hole.
9. **Mounting Indoor Unit:** Hang the indoor unit on the mounting plate. Move it from left to right to ensure the hooks are properly positioned.
10. **Sealing Wall Hole:** Install a pipe protecting ring and seal the wall hole with putty to prevent air and moisture infiltration.

4.2 Outdoor Unit Installation

The outdoor unit should be installed in a location that meets the specified clearance requirements for optimal performance and maintenance.

Figure 4.2: Outdoor Unit Placement - This image shows the outdoor unit. Ensure adequate space around the unit for proper airflow: 50cm above, 10cm on the air intake side, 50cm to other obstructions, 30cm above the ground, and 200cm clear space for air discharge.

1. **Mounting Bracket Installation:** Use at least 6 expansion bolts to fix the mounting brackets firmly on the wall. Ensure the brackets are level.
2. **Positioning Outdoor Unit:** Carefully place the outdoor unit onto the installed brackets.
3. **Securing Outdoor Unit:** Use 4 screws to fix the feet of the outdoor unit onto the brackets.
4. **Connecting Refrigerant Pipes:** Remove the nuts from the stop valves. Aim at the pipe center of the stop valves and tighten the taper nuts with fingers. Then, use two wrenches to fully tighten the taper nuts.
5. **Electrical Connections:** Remove the electrical box cover. Connect the cables respectively to the corresponding terminals of the terminal board of the outdoor unit (refer to the wiring diagram provided in the unit's documentation). Ensure the ground wire is securely connected. Fix all cables reliably with fasteners.
6. **Vacuuming the System:** Fully open the handle Lo of the manifold valve and apply vacuum for at least 15 minutes. Check that the compound vacuum gauge reads -0.1MPa (-76cmHg).
7. **Opening Stop Valves:** After applying vacuum, fully open the stop valves with a hex wrench. Be sure to retighten the caps afterward to prevent potential air leakage.

8. **Securing Caps:** Screw all the caps back onto the stop valves and tighten them securely.

4.3 Installation Video Guide

Watch this official installation video for a visual step-by-step guide on setting up your GarveeHome Mini Split AC system.

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Video 4.1: Garvee Mini Split AC Installation Guide - This video demonstrates the complete installation process for the Garvee 12000 BTU Mini Split AC/Heating System, covering both indoor and outdoor unit setup, piping, electrical connections, and vacuuming.

5. Operating Instructions

Your GarveeHome Mini Split AC offers various modes and features for personalized comfort.

5.1 Remote Control Functions

Figure 5.1: Multifunctional Remote Control - This image displays the remote control for the GarveeHome Mini Split AC, highlighting its various buttons and functions for controlling the unit's modes and settings.

- **Cool Mode:** Provides rapid cooling.
- **Heat Mode:** Offers fast heating.
- **Dry Mode:** One-key drying mode to quickly reduce indoor humidity.
- **Fan Only Mode:** Selectable low, mid, high, or turbo fan speeds with up to 50ft long-distance airflow.
- **Display On/Off:** Toggles the unit's display.
- **Sleep Mode:** Adjusts temperature for comfortable sleep and quiet operation (41 dB). The remote display turns off automatically after 10 seconds of inactivity.
- **ECO Energy Saving Mode:** Optimizes operation for reduced energy consumption.
- **Self-Cleaning:** Initiates an automatic cleaning cycle.
- **°C/°F:** Switches between Celsius and Fahrenheit temperature display.
- **24H Timer:** Sets a timer for automatic on/off operation.
- **4D Auto Swing:** Controls the automatic swing of the air deflector for wider air distribution.
- **iFEEL Mode:** Senses the temperature at the remote control's location for precise comfort.

5.2 Wi-Fi Smart Control

Figure 5.2: Smart Control via App - This image illustrates the capability of controlling the GarveeHome Mini Split AC using a smartphone application, highlighting compatibility with Wi-Fi 2.0, Amazon Alexa, and Google Assistant.

The unit supports Wi-Fi 2.0 for smart control. Download the GarveeHome app (or compatible smart home app) to connect your unit. You can remotely adjust temperatures, change modes, and monitor your AC from anywhere. The system is compatible with Google Home for voice control.

5.3 Energy Efficiency and Performance

- **Inverter Technology:** Innovative inverter technology ensures optimal performance with up to 25% energy savings.
- **Wide Operating Temperature Range:** Designed to perform in various environments, with low-temperature startup at -4°F (-20°C) and stable operation up to 140°F (60°C).
- **Precise Temperature Control:** AI intelligent sensing of ambient temperature allows for precise control within ±0.1°C.
- **Quiet Operation:** Operates at a low noise level of 41 dB, ensuring a peaceful environment.

6. Maintenance

Regular maintenance ensures the longevity and efficient operation of your air conditioner.

6.1 Filter Cleaning

Air filters should be cleaned regularly (e.g., every two weeks) to maintain optimal airflow and air quality.

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

6.2 Self-Cleaning Function

Figure 6.1: Self-Cleaning Process - This image depicts the internal self-cleaning mechanism of the indoor unit, which involves condensation, frosting, defrosting, and sterilization at 57°C to ensure clean air.

The unit features a 57°C high-temperature self-cleaning and sterilization function. Activate this mode via the remote control to ensure fresh and clean air by removing dust and bacteria from the evaporator.

6.3 Seasonal Maintenance

- Before long periods of inactivity, run the unit in fan-only mode for a few hours to dry the internal components.
- Clean the outdoor unit's coils and fins to remove any debris that may obstruct airflow.
- Inspect refrigerant lines for any signs of leakage or damage.

7. Troubleshooting

Before contacting customer service, refer to the following common issues and 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 batteries.
Insufficient cooling/heating	Dirty air filters, blocked outdoor unit, low refrigerant, incorrect mode setting.	Clean filters, clear obstructions, check refrigerant levels (professional service), select correct mode.
Water leakage from indoor unit	Clogged drain pipe, improper installation angle.	Clear drain pipe, ensure proper slope of drain hose.
Unusual noise	Loose parts, fan obstruction, unit not level.	Check for loose components, remove obstructions, ensure unit is level.
Wi-Fi connection issues	Router issues, incorrect Wi-Fi password, app not updated.	Restart router, verify Wi-Fi credentials, update app, ensure unit is within Wi-Fi range.

If the problem persists after attempting these solutions, please contact a qualified service technician.

8. Specifications

Key technical specifications for the GarveeHome 12000 BTU Inverter Split System Air Conditioner.

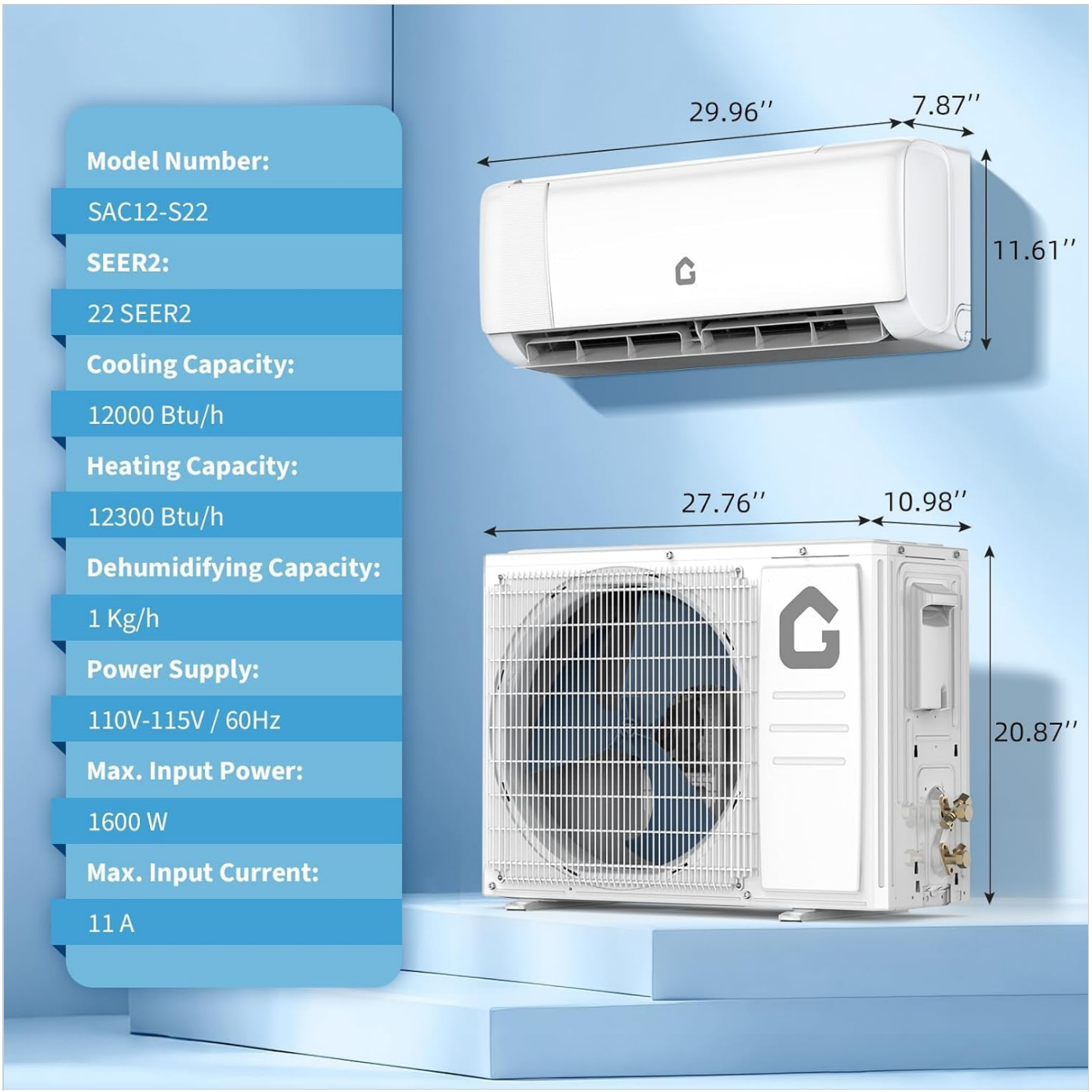

Figure 8.1: Product Dimensions and Specifications - This image provides a visual overview of the indoor and outdoor unit dimensions, along with key technical data such as cooling capacity, SEER2 rating, and power requirements.

Feature	Specification
Brand	Garvee
Model Number	WY-I1ZuA6uYMZeQGuNAyxSwIQEaFgBej
Cooling Power	12000 BTU
Capacity	1 Ton
SEER2 Rating	22
Voltage	115 Volts
Wattage	1450 watts

Feature	Specification
Noise Level	30 Decibels (Indoor Unit)
Coverage Area	Up to 750 Sq. Ft.
Special Features	Fast Cooling, Heating & Cooling Function, Inverter Compressor, Remote Controlled, Sleep Mode, Wi-Fi Enabled

Note: Dimensions are approximate and may vary slightly.

Component	Dimensions (W x D x H)
Indoor Unit	29.96" x 7.87" x 11.61"
Outdoor Unit	27.76" x 10.98" x 20.87"

9. Warranty and Support

For warranty information, please refer to the documentation included with your purchase or contact Garvee customer support. Protection plans may be available for extended coverage.
For technical assistance, troubleshooting beyond this manual, or service inquiries, please contact Garvee customer support through their official channels.