

Garvee 2025 NEW-12K-115V-19 SEER2

Garvee 12000 BTU 19 SEER2 Mini Split AC/Heating System User Manual

Model: 2025 NEW-12K-115V-19 SEER2

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Garvee 12000 BTU 19 SEER2 Mini Split AC/Heating System. Please read this manual thoroughly before installation and use, and retain it for future reference. Proper installation and adherence to these instructions will ensure optimal performance and longevity of your unit.

2. SAFETY INFORMATION

WARNING: Professional HVAC installation is required for optimal performance and safety. Improper installation can lead to electric shock, fire, serious injury, or death.

- Ensure the unit is installed by a qualified and certified HVAC technician in accordance with all local and national electrical and safety codes.
- Do not attempt to repair or service the unit yourself. Refer all servicing to qualified personnel.
- Always disconnect power to the unit before performing any maintenance or cleaning.
- The unit uses R32 refrigerant. Handle with care and only by certified professionals.
- Keep children and pets away from the outdoor unit.

3. PACKAGE CONTENTS

Verify that all components listed below are included in your package. The system ships in two boxes.

Technical Parameters

Cooling Capacity: 12,000 BTU/h
Heating Capacity: 12,300 BTU/h
SEER2: 19

Power Supply: 115 V~/60 Hz/1.5 P

Rated Input Consumption: 1,100 W

Rated Current: 10 A

Max Fuse Size: 30 A

Air Flow Volume: 600 m³/h (Turbo)

Length (Max. Line Length):
50 ft (15 m)
Voltage: 115 V



Image: Overview of the Garvee Mini Split AC/Heating System package contents, showing two boxes labeled 'BOX 1-Outdoor' and 'BOX 2-Indoor' with their respective components listed below.

Box 1 - Outdoor Unit (Approx. 55.1 lb)

- Outdoor Condenser Unit
- 2x2m drain hose
- 1x sealing putty
- 1x insulation tape
- 1x wall sleeve (for pipe penetration)
- 1x aperture sleeve
- 1x copper tube ($\varphi 9.0 \times 3000$ mm)
- 1x copper tube ($\varphi 6.0 \times 3000$ mm)

Box 2 - Indoor Unit (Approx. 18.7 lb)

- Indoor Air Handler Unit

- 1x remote controller
- 1x user manual (this document)
- 1x wall mounting bracket

4. PRODUCT OVERVIEW

The Garvee 12000 BTU Mini Split AC/Heating System is a high-efficiency, ductless solution designed for year-round comfort. It features inverter technology for stable temperature control and energy savings.



Image: The Garvee Mini Split AC/Heating System, showing the indoor unit, outdoor unit, remote control, and installation accessories.

Key Features:

- **High-Efficiency Cooling & Heating:** Delivers 12,000 BTU cooling and 12,300 BTU heating, suitable for areas up to 750 sq. ft.
- **Inverter Technology:** Maintains stable temperatures (62°F–89°F) while reducing energy consumption by up to 30%.

- **6-in-1 All-Season Comfort:** Offers Cool, Heat, Dry, Fan, Sleep, and ECO modes for versatile climate control.
- **Customizable Airflow:** Features 5 fan speeds (Turbo, High, Med, Low, Mute) for personalized comfort.
- **Energy-Efficient:** Achieves 19 SEER2 and HSPF2 9.1 efficiency ratings.
- **Improved Air Quality:** Includes a self-cleaning evaporator and washable filter.
- **Quiet Operation:** Operates as quietly as 30 dB, ideal for bedrooms and offices.
- **Smart Features:** IFEEL mode, 24-hour timer, Sleep Mode, Silent Mode, and Auto-defrost.

ULTRA-FAST COOLING & HEATING



Image: Diagram illustrating the 12,000 BTU cooling and 12,300 BTU heating capacity, covering up to 750 sq. ft., with rapid cooling and heating times.

High Efficiency Meets Sustainability

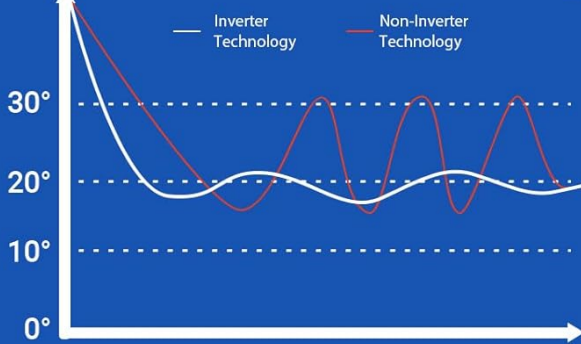


R32 Refrigerant
(GWP=675)

Inverter: ± 0.2 °C Constant Comfort
Fixed Speed: ± 2 °C Fluctuation
↓ Save up to **30%** Energy ↓



Temperature



SEER2 19 | HSPF2 9.1/8.0
4.64 MPa

Image: Graphic detailing the high efficiency of the system, including R32 refrigerant, inverter technology for stable temperature, and SEER2 19 / HSPF2 9.1 ratings.

5. SETUP AND INSTALLATION

IMPORTANT: Installation of this mini split system requires specialized tools and knowledge. It must be performed by a certified HVAC professional to ensure proper function, safety, and warranty validity.

The installation process typically involves:

- Selecting appropriate locations for the indoor and outdoor units.
- Mounting the indoor unit on a wall using the provided bracket.
- Installing the outdoor unit on a stable, level surface.
- Drilling a penetration hole through the wall for refrigerant lines, drain hose, and electrical wiring.
- Connecting the refrigerant lines between the indoor and outdoor units.
- Connecting the drain hose for condensate removal.
- Performing electrical wiring connections according to local codes and the unit's specifications (115V).

- Evacuating the refrigerant lines to remove air and moisture.
- Checking for leaks and charging the system with refrigerant if necessary.
- Testing the system's operation in all modes.

Refer to the detailed installation guide provided with the physical product for specific instructions intended for professional installers.

6. OPERATING INSTRUCTIONS

Your Garvee Mini Split system can be controlled using the included remote control. Ensure the remote has fresh batteries installed.



Image: The Garvee Mini Split AC/Heating System indoor unit and remote control, highlighting the multiple functions and modes available.

Operating Modes:

- **Cool Mode:** Provides cooling to lower the room temperature. Adjust the temperature setting and fan speed as

desired.

- **Heat Mode:** Provides heating to raise the room temperature. Adjust the temperature setting and fan speed as desired.
- **Dry Mode (Dehumidification):** Reduces humidity in the room without significant cooling.
- **Fan Mode:** Circulates air without heating or cooling. Select from various fan speeds.
- **Sleep Mode:** Gradually adjusts the temperature and fan speed for quiet, comfortable sleep. The display light may dim or turn off.
- **ECO Mode:** Optimizes energy consumption by intelligently adjusting settings to maintain comfort with reduced power usage.

Fan Speeds:

The system offers 5 fan speeds:

- **Turbo:** Maximum airflow for rapid cooling or heating.
- **High:** Strong airflow.
- **Med (Medium):** Moderate airflow.
- **Low:** Gentle airflow.
- **Mute:** Ultra-quiet operation with minimal airflow.

Additional Functions:

- **IFEEL Mode:** Senses the temperature at the remote control's location for more precise, localized comfort.
- **24-Hour Timer:** Allows you to program the unit to turn on or off automatically within a 24-hour period.
- **Silent Mode:** Mutes remote control beeps for undisturbed operation.
- **Auto Swing:** Controls the louver to automatically swing, distributing air evenly.

7. MAINTENANCE

Regular maintenance ensures the efficiency and longevity of your Garvee Mini Split system.

Self-Cleaning Evaporator:

The unit features a self-cleaning function for the evaporator (indoor coil). This process typically involves freezing and then rapidly thawing the coil to remove accumulated dust and mold, followed by drying at 57 °C. Consult your remote control's instructions for activating this feature.

Washable Filter:

The indoor unit is equipped with a washable air filter. Regularly clean the filter to maintain optimal airflow and air quality. The frequency of cleaning depends on usage and environmental conditions, but generally, it should be checked every 2-4 weeks.

- Open the front panel of the indoor unit.
- Remove the air filters.
- Clean the filters with a vacuum cleaner or wash them with lukewarm water and mild detergent.
- Allow filters to dry completely before reinstalling.

Auto-Defrost:

The outdoor unit features an auto-defrost function to prevent ice buildup on the coil during heating operation in cold weather. This ensures steady performance with minimal manual intervention.

Professional Inspection:

It is recommended to have a qualified HVAC technician perform an annual inspection and professional cleaning of the entire system, including refrigerant levels, electrical connections, and coil cleaning, to ensure peak performance and prevent potential issues.

8. TROUBLESHOOTING

Before contacting customer support, please check the following common issues:

- **Unit not turning on:** Check if the power supply is connected and the circuit breaker has not tripped. Ensure remote control batteries are not depleted.
- **Insufficient cooling/heating:** Verify that the correct mode is selected and the temperature setting is appropriate. Check if air filters are clean and not obstructed. Ensure no windows or doors are open.
- **Unusual noises:** Some operational noises are normal (e.g., refrigerant flow, fan operation). If you hear loud or unusual noises, turn off the unit and contact a professional.
- **Water leakage from indoor unit:** This could indicate a clogged drain line. Turn off the unit and contact a professional for inspection.
- **Remote control not working:** Check and replace batteries. Ensure there are no obstructions between the remote and the indoor unit's receiver.

For persistent issues or error codes displayed on the unit, consult a qualified HVAC technician.

9. SPECIFICATIONS

Technical specifications for the Garvee 12000 BTU 19 SEER2 Mini Split AC/Heating System.

PACKAGE LIST

Ships in 2 boxes • Delivery time varies
Professional installation recommended



BOX 1-Outdoor (Unit 55.1 lb)

BOX 2-Indoor (Unit 18.7 lb)

- 2×2m drain hose
- 1×sealing putty
- 1×insulation tape
- 1×wall sleeve(for pipe penetration)
- 1×aperture sleeve
- 1×copper tube($\varphi 9.0 \times 3000\text{mm}$)
- 1×copper tube($\varphi 6.0 \times 3000\text{mm}$)

- 1×remote controller
- 1×user manual
- 1×wall mounting bracket

Image: Diagram showing the technical parameters and dimensions of the Garvee Mini Split AC/Heating System indoor and outdoor units.

Parameter	Value
Brand	Garvee
Model Number	2025 NEW-12K-115V-19 SEER2 (Technical: WY-Y3nprrnRmn8akMzZjtMtwgy3mC7cg)
Cooling Capacity	12,000 BTU/h
Heating Capacity	12,300 BTU/h
Coverage Area	Up to 750 sq. ft.
SEER2 Rating	19
HSPF2 Rating	9.1

Parameter	Value
Voltage	115 Volts
Wattage	1100 watts
Noise Level (Indoor)	As low as 30 Decibels
Refrigerant Type	R32
Max Line Length	50 ft (15 m)
Outdoor Unit Dimensions (D x W x H)	15 x 23.7 x 12.95 inches (approx.)
Indoor Unit Dimensions (D x W x H)	8.27 x 31.89 x 11.93 inches (approx.)
Item Weight	15 pounds (indoor unit)

10. WARRANTY AND SUPPORT

For warranty information, please refer to the warranty card included with your product or contact Garvee customer support directly. Warranty terms typically cover manufacturing defects and may require proof of professional installation.

For technical support, service, or parts inquiries, please contact Garvee customer service through their official website or the contact information provided in your product packaging.