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Garvee 12K-230V-19 SEER2-L

Garvee 12000 BTU 19 SEER2 Mini Split Air Conditioner Heat Pump System User Manual

Model: 12K-230V-19 SEER2-L

1. Introduction

This manual provides essential information for the safe and efficient operation of your Garvee 12000 BTU 19 SEER2 Mini Split Air Conditioner Heat Pump System. This system offers both cooling and heating capabilities for areas up to 750 sq. ft., utilizing advanced inverter technology for energy efficiency and stable temperature control. Please read this manual thoroughly before installation and use, and retain it for future reference.



Image 1.1: Overview of the Garvee 12000 BTU Mini Split System's cooling and heating capabilities, covering up to 750 sq. ft.

2. Safety Information

Always adhere to the following safety precautions to prevent injury or damage to the unit:

- **Professional Installation:** Installation, maintenance, and repair must be performed by qualified and certified HVAC professionals. Improper installation can lead to electric shock, fire, water leakage, or other hazards.
- **Electrical Safety:** Ensure the power supply matches the unit's specifications (230V). Do not use extension cords. Always disconnect power before servicing.
- **Refrigerant:** This unit uses R32 refrigerant. Handling of refrigerant should only be done by certified personnel.

- **Clearance:** Maintain adequate clearance around both indoor and outdoor units for proper airflow and maintenance.
- **Children and Pets:** Keep children and pets away from the unit, especially during operation and maintenance.
- **Cleaning:** Use a soft, dry cloth for cleaning. Do not use harsh chemicals or abrasive cleaners.

3. Package Contents

Verify that all components are present upon delivery. The system typically ships in two boxes. Contact your supplier immediately if any items are missing or damaged.



Image 3.1: Contents included with the Garvee Mini Split Air Conditioner Heat Pump System.

- Indoor Unit
- Outdoor Unit
- Remote Controller
- User Manual (this document)
- Wall Mounting Bracket
- 2x 2m Drain Hose
- Sealing Putty

- Insulation Tape
- Wall Sleeve (for pipe penetration)
- Aperture Sleeve
- Copper Tube (Φ 9.0x3000 mm)
- Copper Tube (Φ 6.0x3000 mm)

4. Setup and Installation

Professional HVAC installation is required for optimal performance and safety. Attempting to install the unit without proper training and tools can void the warranty and lead to serious hazards.

4.1 Site Selection

- **Indoor Unit:** Choose a location that allows for even air distribution throughout the room, away from direct sunlight or heat sources. Ensure sufficient space for maintenance.
- **Outdoor Unit:** Select a well-ventilated area, free from obstructions, and on a stable, level surface. Avoid locations where noise might disturb neighbors.

4.2 Electrical Connection

The unit requires a dedicated 230V power supply. All electrical wiring must comply with local and national electrical codes. A qualified electrician should perform all electrical connections.

4.3 Refrigerant Piping

The copper tubes provided are for connecting the indoor and outdoor units. Proper vacuuming and charging of the refrigerant lines are critical for system performance and must be done by a certified technician.

5. Operating Instructions

Your Garvee Mini Split system is controlled via the included remote control. Familiarize yourself with its functions for optimal comfort.



Image 5.1: Remote control and available operating modes for the Garvee Mini Split System.

5.1 Operating Modes

- **Cool Mode:** Provides cooling to lower room temperature.
- **Heat Mode:** Provides heating to raise room temperature.
- **Dry Mode:** Dehumidifies the air without significant cooling.
- **Fan Mode:** Circulates air without heating or cooling.
- **Sleep Mode:** Gradually adjusts temperature for comfortable sleep and reduced energy consumption.
- **ECO Mode:** Optimizes energy use by intelligently adjusting settings.

5.2 Fan Speeds

The unit offers 5 fan speeds: **Turbo, High, Med, Low, and Mute**, allowing you to customize airflow intensity.

5.3 Special Features

- **IFEEL Mode:** Senses the temperature at the remote control's location for more precise room-specific 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 quiet operation, ideal for bedrooms.
- **Auto Swing:** Automatically adjusts the louver direction for even air distribution.

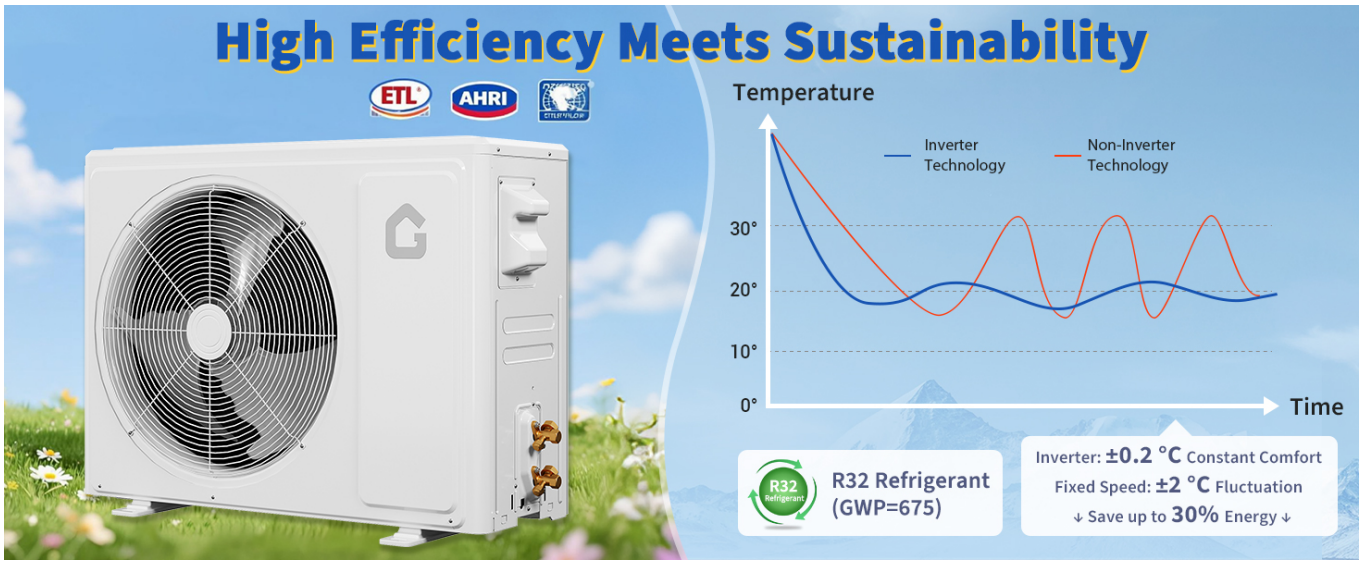


Image 5.2: The system's operational range in various ambient temperatures.

6. Maintenance

Regular maintenance ensures efficient operation and extends the lifespan of your unit. Always disconnect power before performing any maintenance.

6.1 Self-Cleaning Function

The evaporator features a self-cleaning function (57°C high-temp clean) to maintain air quality and system efficiency. Refer to your remote control instructions for activating this feature.

6.2 Filter Cleaning

The washable air filter should be cleaned regularly (e.g., every 2-4 weeks, depending on usage). Remove the filter, wash it with mild detergent and warm water, rinse thoroughly, and allow it to dry completely before reinserting.

6.3 Auto-Defrost

The outdoor unit is equipped with an auto-defrost function to ensure steady performance in cold conditions, minimizing manual intervention.

6.4 General Cleaning

Wipe the exterior surfaces of both units with a soft, damp cloth. Do not use chemical cleaners or solvents.

7. Troubleshooting

Before contacting service, review the following common issues:

Problem	Possible Cause	Solution
Unit does not turn on	No power, circuit breaker tripped, remote batteries low	Check power supply, reset breaker, replace remote batteries
Insufficient cooling/heating	Dirty air filter, blocked outdoor unit, wrong mode selected, room size too large	Clean filter, clear obstructions, select correct mode, ensure unit matches room size

Problem	Possible Cause	Solution
Unusual noise	Loose parts, foreign object in fan, refrigerant flow noise (normal)	Inspect for loose parts, remove obstructions (if safe), consult technician if noise is excessive
Water leakage from indoor unit	Clogged drain hose, improper installation	Check and clear drain hose, contact professional for inspection

For issues not listed or if solutions do not resolve the problem, contact a qualified HVAC technician.

8. Specifications

Key technical specifications for the Garvee 12000 BTU 19 SEER2 Mini Split Air Conditioner Heat Pump System.



Image 8.1: Detailed dimensions and electrical specifications of the Garvee Mini Split System.

Feature	Specification

Feature	Specification
Brand	Garvee
Model Number	WY-2vobmC-sJ3J2vRJju_RVQALdW
Cooling Capacity	12000 BTU/h
Heating Capacity	12300 BTU/h
SEER2 Rating	19
HSPF2 Rating	9.1
Voltage	230V
Rated Input Consumption	1100 W
Rated Current	6.8 A
Max Fuse Size	20 A
Noise Level (Indoor)	30 Decibels (min)
Refrigerant Type	R32
Coverage Area	Up to 750 sq. ft.
Indoor Unit Dimensions (D x W x H)	8.66"D x 31.89"W x 11.93"H
Outdoor Unit Dimensions (D x W x H)	12.95"D x 30.70"W x 23.70"H
Item Weight	89.29 Pounds (total)
Installation Type	Split System
Compressor Type	Rotary Scroll Inverter

9. Warranty and Support

Your Garvee Mini Split Air Conditioner Heat Pump System comes with a manufacturer's warranty. Please refer to the specific terms and conditions provided at the time of purchase.

- **Warranty Description:** 30 days manufacturer warranty.
- **Warranty Type:** Lifetime (This may refer to specific components or a limited lifetime warranty. Please consult your purchase documentation for full details).

For technical support, warranty claims, or service inquiries, please contact Garvee customer service through the retailer where the product was purchased or visit the official Garvee website.

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