



[Manuals.plus](#) /

> [GarveeHome](#) /

> GarveeHome 2 Zone Mini Split AC/Heating System 28000 BTU (12K+12K) User Manual

GarveeHome 6PlcquejWGDoevXbkmyDJg

GarveeHome 2 Zone Mini Split AC/Heating System

Model: 6PlcquejWGDoevXbkmyDJg

28000 BTU (12K+12K), 20 SEER2 Dual Zone Ductless Wall Mounted Air Conditioner

1. INTRODUCTION

Welcome to the GarveeHome 2 Zone Mini Split AC/Heating System user manual. This document provides essential information for the safe and efficient operation, installation, and maintenance of your new air conditioning and heating system. This system is designed to provide year-round comfort with its versatile AC, heat pump, dehumidifier, fan, and turbo modes, ideal for multi-room control in homes or commercial spaces.

Please read this manual thoroughly before installation and operation, and keep it for future reference. Professional installation is required for this product.

2. SAFETY INFORMATION

Your safety and the safety of others are paramount. Please observe all safety warnings and precautions outlined in this manual. Failure to do so may result in property damage, personal injury, or death.

- **Professional Installation Required:** This system operates on 208-230V and contains pre-charged refrigerant (R454B). Installation must be performed by a qualified HVAC professional to ensure proper setup, electrical connections, and refrigerant handling, and to comply with local codes and regulations.
- **Electrical Safety:** Ensure the power supply is disconnected before any installation, maintenance, or repair work. Use appropriate circuit breakers and wiring as specified.
- **Refrigerant Handling:** The system contains R454B refrigerant. Only certified technicians should handle refrigerant to prevent environmental damage and personal injury.
- **Clearances:** Maintain adequate clearances around both indoor and outdoor units for proper airflow and maintenance access.
- **Children and Pets:** Keep children and pets away from the units, especially during operation and maintenance.
- **Unit Placement:** Do not install the unit in areas with flammable gases or liquids, or near heat sources.

3. PRODUCT OVERVIEW

3.1 Components Included

The GarveeHome 2 Zone Mini Split AC/Heating System includes the following main components:

- 2 x Indoor Wall-Mounted Units (12,000 BTU each)
- 1 x Outdoor Condenser Unit (28,000 BTU total capacity)
- 2 x Remote Controls
- 2 x 16.4-foot Line Sets (for connecting indoor units to outdoor unit)
- Installation Kit (basic components for mounting)

Note: Extra copper tubing and power cords may be required depending on your specific installation needs and are not included in the standard kit.



Figure 3.1: Overview of the GarveeHome 2 Zone Mini Split AC/Heating System components.

3.2 Key Features

- **Multi-Room Control:** Independently control temperatures in two separate zones with individual indoor units.

- **All-Climate Cooling & Heating:** Equipped with an inverter heat pump, providing powerful performance in temperatures ranging from -4°F to 122°F.
- **4-in-1 Functionality:** Offers Cooling, Heating, Dehumidification (Dry mode), and Fan-only operation.
- **Energy-Saving Efficiency:** Features inverter technology for up to 30% energy savings. ETL & AHRI certified with a 20 SEER2 rating.
- **Ultra-Quiet Operation:** Indoor units operate at a low noise level of 28-45 dBA, ensuring a peaceful environment.
- **Advanced Airflow:** Features 4-way swing and 4D air surround technology, capable of distributing air up to 50 feet.
- **Smart Features:** WiFi 2.0 connectivity allows control via a smartphone app and integration with Amazon Alexa and Google Home.
- **Convenience Functions:** Includes Auto-Defrost, Sleep Mode, Mute Function, and Timer settings (0.5-24 hours).

4-IN-1


Smart Mini Split Air Conditioner Heat Pump System




 <p>Cool Cools to as low as 61°F</p>	 <p>Heat Heats to as high as 88°F</p>
 <p>Fan Low / Medium / High / Auto Speed</p>	 <p>Dry Dehumidification</p>

 **WIFI 2.0**

 Download on the **APP Store**

 GET IN ON **Google Play**

 WORKS WITH **amazon alexa**


 WORKS WITH **Google Home**

Figure 3.2: The 4-in-1 functionality of the GarveeHome Mini Split System, highlighting smart home integration.

ULTRA-QUIET OPERATION



Screen Off



Sleep Mode



Timing 0.5-24 H



58 dB



<50 dB



40 dB

Figure 3.3: Illustration of the ultra-quiet operation, ideal for bedrooms and quiet spaces.

WINDS UP TO 50 FT 4D AIR SURROUND



Figure 3.4: Depiction of the 4D Air Surround feature, illustrating wide and long-distance airflow.

4. SETUP AND INSTALLATION

IMPORTANT: Installation of this GarveeHome Mini Split System requires specialized knowledge and tools. It must be performed by a certified HVAC professional to ensure safety, proper function, and compliance with all applicable electrical and building codes.

4.1 Pre-Installation Checklist

- Verify power supply (208-230V, 60Hz, 1PH) matches unit requirements.
- Ensure adequate space and structural support for both indoor and outdoor units.
- Confirm availability of necessary additional materials (e.g., copper line sets if longer than 16.4 ft, electrical wiring, drainage).
- Review local building codes and regulations for HVAC installations.

4.2 Unit Dimensions

Consider the following dimensions for planning your installation:

- **Indoor Machine Size:** 31.92 inches (W) x 11.49 inches (H) x 7.99 inches (D)
- **Outdoor Machine Size:** 38.5 inches (W) x 31.6 inches (H) x 16.6 inches (D)

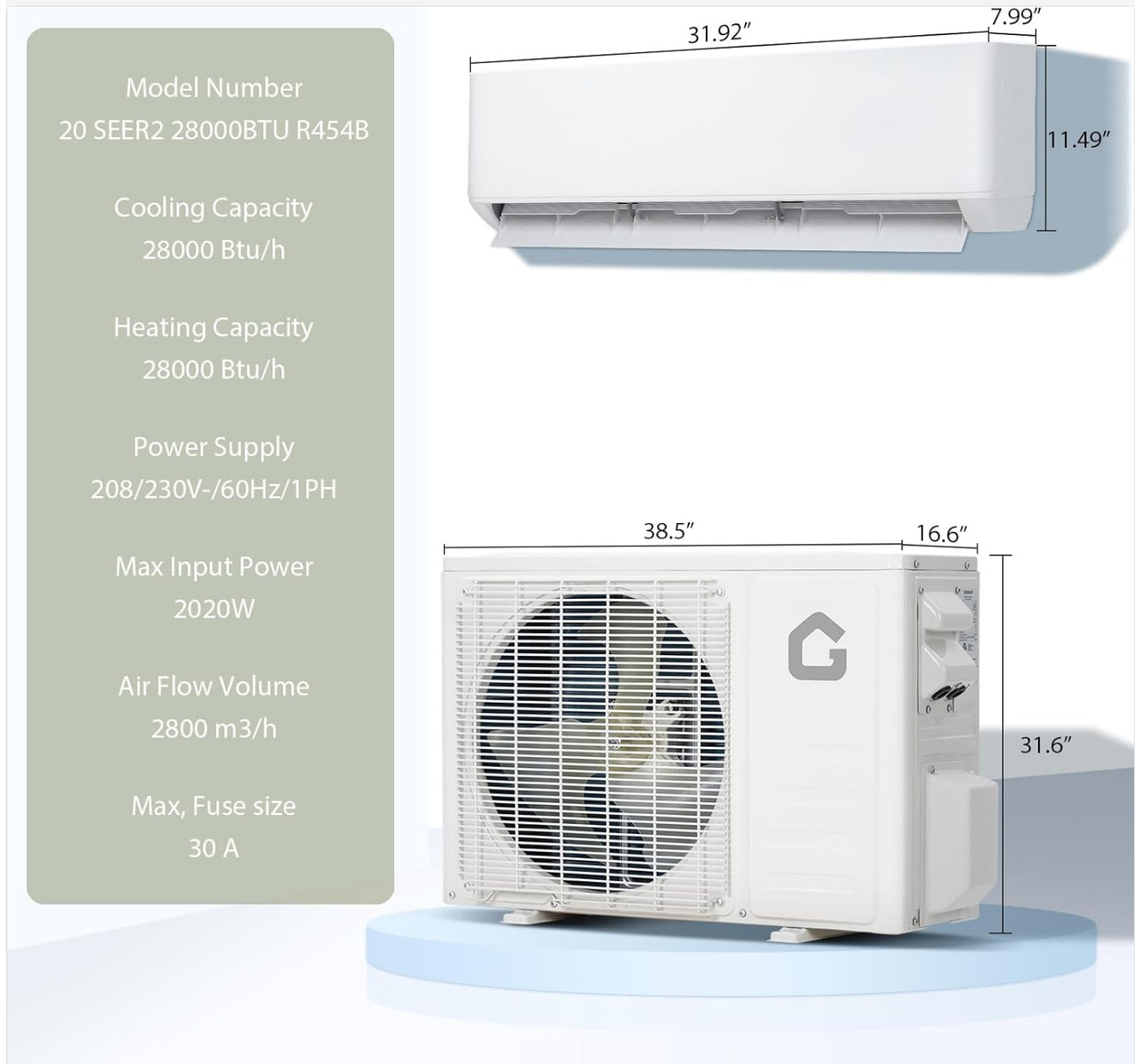


Figure 4.1: Detailed dimensions of the indoor and outdoor units for installation planning.

4.3 Installation Steps (Summary for Professional)

1. Mount indoor units securely on the wall, ensuring proper drainage.
2. Position the outdoor condenser unit on a stable, level surface with adequate clearance.
3. Connect refrigerant lines (pre-charged condenser, but professional connection and leak checks are crucial).
4. Perform electrical wiring connections according to local codes and wiring diagrams.
5. Evacuate the system to remove air and moisture.
6. Test the system for proper operation in all modes.

5. OPERATING INSTRUCTIONS

Once installed, your GarveeHome Mini Split System can be operated using the included remote controls or via the smartphone app (WiFi 2.0) for smart home integration.

5.1 Remote Control Functions

Each indoor unit is controlled by its dedicated remote. Common functions include:

- **Power On/Off:** Activates or deactivates the unit.
- **Mode Selection:** Cycle through Cool, Heat, Dry (Dehumidify), Fan, and Auto modes.
- **Temperature Adjustment:** Set desired temperature within the operating range.
- **Fan Speed:** Adjust fan speed (Low, Medium, High, Auto).
- **Swing Function:** Activate 4-way swing for optimal air distribution.
- **Sleep Mode:** Adjusts temperature and fan speed for comfortable sleep and energy savings.
- **Timer:** Set the unit to turn on or off automatically after a set period (0.5-24 hours).
- **Mute Function:** Reduces operational sounds for quieter performance.
- **Turbo Mode:** Provides rapid cooling or heating for quick temperature changes.

5.2 Smart Control (WiFi 2.0)

Download the GarveeHome app from the App Store or Google Play to connect your system to your home WiFi network. This enables remote control and integration with voice assistants.

- **App Control:** Manage modes, temperature, fan speed, and schedules from your smartphone.
- **Voice Control:** Compatible with Amazon Alexa and Google Home for hands-free operation. Follow the instructions in the app to link your device.

6. MAINTENANCE

Regular maintenance ensures optimal performance, energy efficiency, and longevity of your GarveeHome Mini Split System. Always disconnect power before performing any maintenance.

6.1 Indoor Unit Maintenance

- **Air Filter Cleaning:** Clean the air filters every 2-4 weeks, or more frequently depending on usage and air quality. Remove filters, wash with lukewarm water and mild detergent, rinse thoroughly, and allow to air dry completely before reinserting.
- **Surface Cleaning:** Wipe the exterior of the indoor unit with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.

6.2 Outdoor Unit Maintenance

- **Clear Debris:** Regularly remove leaves, dirt, and other debris from around the outdoor unit to ensure proper airflow.
- **Coil Cleaning:** Periodically clean the outdoor coil fins. This should ideally be done by a professional to avoid damaging the delicate fins.
- **Drainage:** Ensure the condensate drain line is clear and free of obstructions.

6.3 Professional Servicing

It is recommended to have your system inspected and serviced by a qualified HVAC technician annually. This includes checking refrigerant levels, electrical connections, and overall system performance.

7. TROUBLESHOOTING

Before contacting customer support, please review the following common issues and their potential solutions. For complex problems or issues not listed here, contact a qualified HVAC professional or GarveeHome customer support.

Problem	Possible Cause	Solution
Unit does not turn on.	No power, remote control batteries dead, circuit breaker tripped.	Check power supply, replace remote batteries, reset circuit breaker.
Insufficient cooling/heating.	Dirty air filters, blocked outdoor unit, wrong mode selected, low refrigerant.	Clean filters, clear outdoor unit, select correct mode, contact professional for refrigerant check.
Unusual noise from unit.	Loose parts, fan obstruction, compressor issue.	Check for loose covers or debris. If noise persists, contact professional.
Water leaking from indoor unit.	Clogged drain line, improper installation.	Check and clear drain line. If issue persists, contact professional.
Remote control not working.	Dead batteries, obstruction between remote and unit, remote malfunction.	Replace batteries, ensure clear line of sight, try resetting the unit.

8. SPECIFICATIONS

Detailed technical specifications for the GarveeHome 2 Zone Mini Split AC/Heating System (Model: 6PlcquejWGDoevXbkmyDJg).

Attribute	Value
Brand	GarveeHome
Model Number	6PlcquejWGDoevXbkmyDJg
System Type	2 Zone Mini Split AC/Heating System
Cooling Capacity	28000 BTU/h (Total)
Heating Capacity	28000 BTU/h (Total)
SEER2 Rating	20 SEER2
Refrigerant Type	R454B
Voltage	208-230V, 60Hz, 1PH
Max Input Power	2020 Watts
Annual Energy Consumption	1980 Watts
Indoor Unit Noise Level	28-45 dBa
Outdoor Unit Noise Level	62 dB
Indoor Unit Dimensions (W x H x D)	31.92 x 11.49 x 7.99 inches
Outdoor Unit Dimensions (W x H x D)	38.5 x 31.6 x 16.6 inches

Attribute	Value
Item Weight	172 pounds (total system)
Air Flow Volume	2800 m ³ /h
Max Fuse Size	30 A
Color	White
Special Features	Heating & Cooling Function, WiFi 2.0, Smart Home Integration (Alexa, Google Home), Auto-Defrost, 4-Way Swing, Sleep Mode, Mute Function

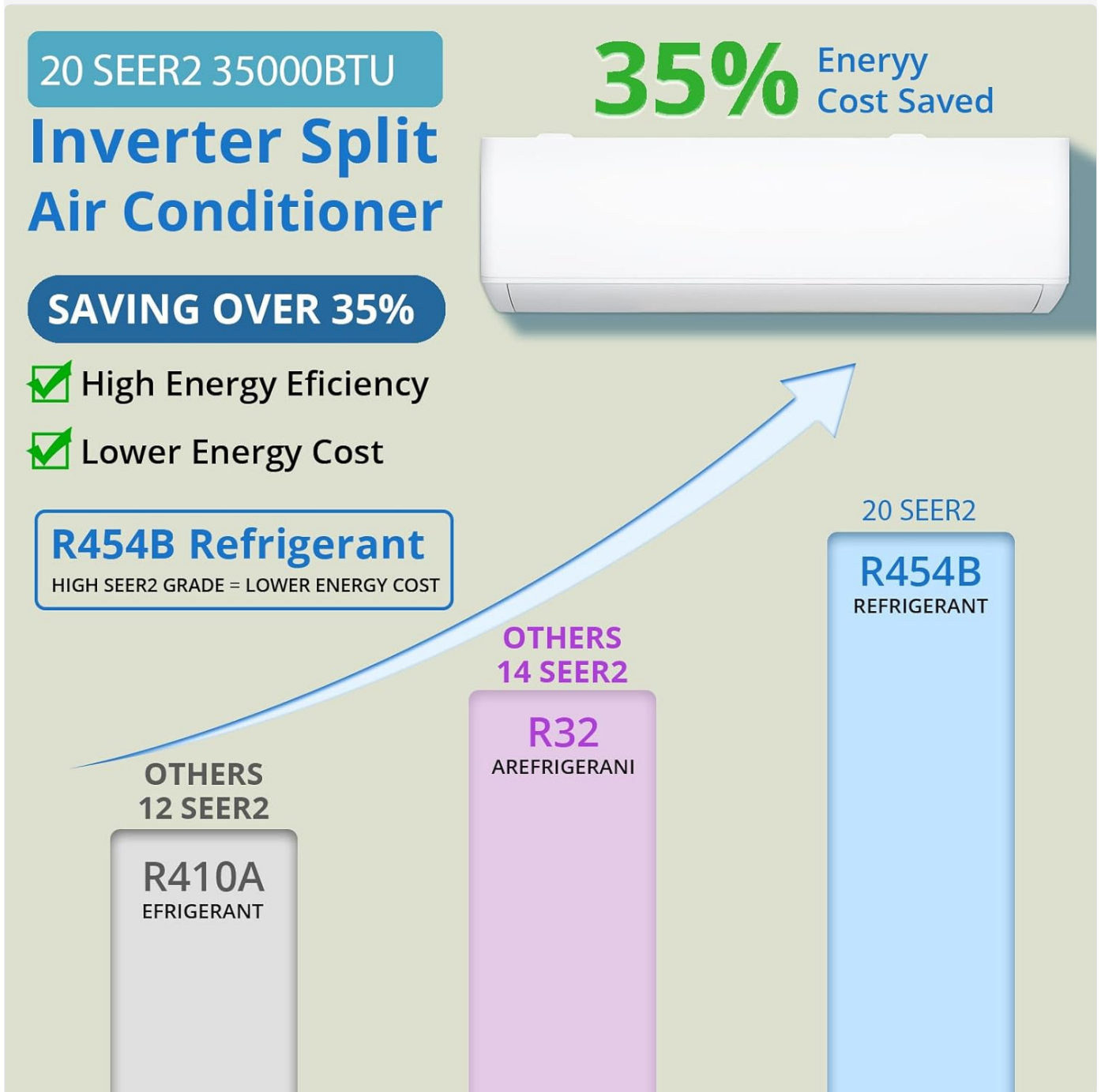


Figure 8.1: Energy efficiency and refrigerant type comparison.

9. WARRANTY AND SUPPORT

GarveeHome is committed to customer satisfaction. For any questions, technical assistance, or warranty inquiries, please contact our customer support team.

- **Customer Support:** We offer 24/7 service for your satisfaction. Please refer to the contact information provided with your product packaging or visit the official GarveeHome website for support details.
- **Warranty Information:** Specific warranty terms and conditions may vary. Please retain your proof of purchase. For detailed warranty coverage, contact GarveeHome customer support or refer to the warranty card included with your product.

For the latest information and support resources, please visit the [GarveeHome Store on Amazon](#).

© 2025 GarveeHome. All rights reserved.

Manual Version: 1.0