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GREE VIR12HP115V1B

Gree VIREO+ Ductless Mini Split Air Conditioner Heat Pump User Manual

Model: VIR12HP115V1B | Brand: GREE

1. PRODUCT OVERVIEW

The Gree 12,000 BTU 22 SEER VIREO+ Wall Mount Ductless Mini Split Air Conditioner Heat Pump 115V offers efficient and quiet climate control. It features advanced functionalities like I FEEL mode for precise temperature sensing and intelligent pre-heating to prevent cold drafts. This unit is Wi-Fi ready with an optional kit for smartphone control. Gree has manufactured HVAC products for many of the world's most respected brands for over 20 years, trusted to manufacture high quality products that push the limits of features and design. Using this experience, Gree is now creating products for its own brands and selling direct to its own customer base.

Key Features:

- **High Efficiency:** 22 SEER rating for energy savings.
- **Versatile Climate Control:** Provides both cooling and heating functions.
- **I FEEL Mode:** Senses temperature at the remote for optimized comfort.
- **Intelligent Pre-heating:** Prevents cold air blasts during heating startup.
- **Wi-Fi Ready:** Optional Wi-Fi kit (WSBEC02) for remote control via smartphone/tablet.
- **Quiet Operation:** Designed for minimal noise, especially the outdoor unit.
- **Air Purification Filter:** Enhances indoor air quality.



Figure 1: The Gree VIREO+ 12,000 BTU Mini Split system, showing both the indoor wall-mounted unit, the remote control, and the outdoor condenser unit.

2. SETUP AND INSTALLATION

Installation of the Gree VIREO+ Mini Split system requires professional expertise. It is mandatory that installation be performed by a state-licensed HVAC contractor to ensure proper function, safety, and warranty validity. The system requires a 1/4" x 1/2" line set, which is not included.

Key Installation Considerations:

- **Location:** Ensure proper clearance for both indoor and outdoor units for optimal airflow and maintenance.
- **Electrical Requirements:** This 12,000 BTU unit operates on 115V. Verify your electrical supply meets the unit's requirements.
- **Line Set Connection:** The refrigerant line set connects the indoor and outdoor units. Proper vacuuming and charging are crucial.
- **Drainage:** Ensure the condensate drain line is correctly installed to allow for proper water runoff from the indoor unit.



Figure 2: The outdoor condenser unit of the Gree VIREO+ Mini Split system, designed for quiet operation.

3. OPERATING INSTRUCTIONS

The VIREO+ system can be easily controlled using the wireless infrared remote controller or an optional wired controller. The indoor unit features a digital display showing the set temperature.

Using the Remote Control:

- **Power Button:** Press to turn the unit ON or OFF.
- **Mode Selection:** Cycle through operating modes (Cool, Heat, Fan, Dry, Auto).
- **Temperature Adjustment:** Use the Up/Down arrows to set your desired temperature.
- **Fan Speed:** Adjust fan speed for optimal comfort and noise level.
- **Swing Function:** Control the vertical swing louvers for even air distribution.
- **I FEEL Mode:** Activate this mode for the unit to sense the temperature at the remote's location and adjust accordingly.
- **Timer Function:** Set the unit to turn ON or OFF at specific times.

Optional Wi-Fi Control:

Upgrade your control capabilities by purchasing the Wi-Fi Kit WSBEC02. This allows you to manage your unit from your smartphone or tablet from anywhere with Wi-Fi access, providing ultimate convenience.



Figure 3: The indoor unit of the Gree VIREO+ and its wireless remote control, illustrating temperature display and control options.

4. MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your Gree VIREO+ system. Always disconnect power to the unit before performing any maintenance.

Recommended Maintenance:

- **Air Filter Cleaning:** The indoor unit's air filter should be cleaned regularly (e.g., every 2-4 weeks, depending on usage and air quality). Refer to the full manual for instructions on how to access and clean the filter.
- **Outdoor Unit Cleaning:** Keep the outdoor condenser unit free from debris, leaves, and dirt to ensure proper airflow and heat exchange. Periodically rinse the coils with a garden hose (ensure power is off).
- **Professional Inspection:** It is recommended to have a licensed HVAC technician perform an annual inspection and tune-up to check refrigerant levels, electrical connections, and overall system performance.



Figure 4: Icons highlighting key features, including the Air Purification Filter, which requires regular cleaning.

5. TROUBLESHOOTING

Before contacting customer support, try these basic troubleshooting steps:

- **Unit Not Turning On:** Check if the unit is properly plugged in and if the circuit breaker has tripped. Ensure the remote control batteries are not depleted.
- **Insufficient Cooling/Heating:** Verify that the air filters are clean and not obstructed. Check if the outdoor unit's coils are clean and free of debris. Ensure windows and doors are closed.
- **Unusual Noises:** Minor noises during operation are normal. If you hear loud or unusual sounds, contact a licensed HVAC technician.
- **Water Leaking from Indoor Unit:** This could indicate a clogged condensate drain line. Turn off the unit and contact a professional for inspection.

For more complex issues or if troubleshooting steps do not resolve the problem, please refer to the comprehensive troubleshooting guide in the full product manual or contact GREE customer support.

6. SPECIFICATIONS

| Feature | Detail |
|-----------------------------------|--------------------------------------|
| Brand | GREE |
| Model Number | VIR12HP115V1B |
| Capacity | 12,000 BTU (1 Ton) |
| SEER Rating | 22 |
| Voltage | 115 Volts |
| Wattage | 545 watts |
| Noise Level | 55 dB |
| Refrigerant | R 410A |
| Product Dimensions (Indoor Unit) | 8 x 33 x 11 inches |
| Product Dimensions (Outdoor Unit) | 33 x 23 x 12 inches (for 12,000 BTU) |
| Item Weight | 23 pounds |

Vireo+ Single

INDOOR UNITS

(W x H x D) MEASUREMENT

| | |
|------------|-----------------|
| 9,000 BTU | 33" x 11" x 8" |
| 12,000 BTU | 33" x 11" x 8" |
| 18,000 BTU | 37" x 11" x 8" |
| 24,000 BTU | 42" x 12" x 9" |
| 30,000 BTU | 53" x 12" x 10" |
| 36,000 BTU | 56" x 12" x 10" |

OUTDOOR UNITS

MEASUREMENT

| | |
|------------|-------------------|
| 9,000 BTU | 33" x 21" x 12" |
| 12,000 BTU | 33" x 23" x 12" |
| 18,000 BTU | 37" x 27" x 15" |
| 24,000 BTU | 38" x 31" x 16" |
| 30,000 BTU | 38" x 31" x 16" |
| 36,000 BTU | 39.5" x 31" x 16" |

Figure 5: Detailed measurements for various BTU capacities of Vireo+ indoor and outdoor units. Refer to this table for other available sizes.

7. WARRANTY INFORMATION

The manufacturer's warranty terms for the Gree VIREO+ Mini Split system are as follows:

- **Parts:** 5 Year Limited Warranty
- **Compressor:** 7 Year Limited Warranty

Important Note: All manufacturers require that the installation must be done by a state-licensed HVAC contractor in order to be eligible for the warranty. Failure to comply with this requirement may void your warranty.

8. CUSTOMER SUPPORT

For further assistance, technical support, or warranty claims, please contact GREE customer service or visit their official

store.

- **GREE Official Store:** [Visit the GREE Store on Amazon](#)
- **Seller Support:** For purchase-related inquiries, you may contact the seller, MRO Next Day.