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GREE VIREOGEN3

Gree VIREOGEN3 Mini Split Air Conditioner Heat Pump User Manual

Model: VIREOGEN3

Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Gree 9,000 BTU 26 SEER VIREOGEN3 Wall Mount Ductless Mini Split Air Conditioner Heat Pump. Please read this manual thoroughly before installation and use to ensure proper operation and to prevent damage to the unit or injury to yourself.
The Gree VIREOGEN3 system is designed to provide efficient heating and cooling for residential and light commercial applications. It features G10 inverter technology for energy savings and quiet operation, along with Google Home/Alexa connectivity for smart control.



Image: The Gree VIREOGEN3 mini split system, showing the indoor wall-mounted unit, the outdoor condenser unit, and the wireless remote control.

Safety Information

Always observe the following safety precautions to reduce the risk of fire, electric shock, or injury.

- Installation must be performed by a state Licensed HVAC contractor.
- Ensure the power supply matches the unit's specifications (115V).
- Do not operate the unit with wet hands.
- Do not insert objects into the air inlet or outlet.
- Keep children and pets away from the unit during operation.
- Refer to local codes and regulations for proper disposal of refrigerant.

System Components

The Gree VIREOGEN3 system includes the following main components:

- **Indoor Wall Mounted Air Handler:** Distributes conditioned air within the space.

- **Outdoor Condenser:** Houses the compressor and heat exchange coils.
- **Wireless Remote Control:** For convenient operation and setting adjustments.
- *Note: Lineset is required but not included with the system.*



Image: Close-up view of the Gree VIREOGEN3 indoor wall-mounted air handler unit.



Image: Close-up view of the Gree VIREOGEN3 outdoor condenser unit.

Setup and Installation

Important: Installation of this mini split system must be performed by a state Licensed HVAC contractor to ensure proper function, safety, and warranty eligibility.

Pre-Installation Checklist:

- Verify power supply (115V).
- Ensure adequate space for indoor and outdoor units, allowing for proper airflow and maintenance access.
- Confirm availability of necessary lineset and electrical wiring (not included).

Installation Steps (Summary for HVAC Professional):

1. Mount the indoor unit securely on the wall, ensuring proper drainage.
2. Install the outdoor condenser unit on a stable, level surface, away from obstructions.
3. Connect the refrigerant lineset between the indoor and outdoor units.
4. Perform vacuuming and refrigerant charging according to manufacturer specifications.
5. Connect electrical wiring, ensuring all connections are secure and meet local electrical codes.
6. Test the system for proper operation in both cooling and heating modes.



Image: An efficiency scale diagram, indicating the high efficiency of the Gree VIREOGEN3 system.

Operating Instructions

The wireless remote control allows full command of your Gree VIREOGEN3 system.

Remote Control Functions:

- **Power Button:** Turns the unit ON/OFF.
- **Mode Button:** Cycles through operating modes (Cool, Heat, Fan, Dry, Auto).
- **Temperature Adjustment:** Use UP/DOWN arrows to set desired temperature.
- **Fan Speed:** Adjusts fan speed (Auto, Low, Medium, High).
- **Swing Button:** Controls the louver swing for air distribution.
- **Timer:** Sets ON/OFF times for automated operation.
- **Sleep Mode:** Adjusts temperature for comfortable sleep and energy saving.
- **Turbo Mode:** Provides rapid cooling or heating.



Image: The wireless remote control for the Gree VIREOGEN3 mini split system, displaying various function buttons and an LCD screen.

Smart Connectivity:

The VIREOGEN3 system supports Google Home and Alexa connectivity. Refer to the separate smart home integration guide for detailed setup instructions to control your unit via voice commands or smart home apps.

Maintenance

Regular maintenance ensures optimal performance and longevity of your Gree VIREOGEN3 system.

Filter Cleaning:

- The air filters in the indoor unit should be cleaned every 2-4 weeks, or more frequently depending on usage and air quality.
- Open the front panel of the indoor unit and remove the filters.
- Wash filters with lukewarm water and mild detergent, or vacuum them.
- Allow filters to dry completely before reinserting them.

Outdoor Unit Maintenance:

- Keep the area around the outdoor unit clear of debris, leaves, and snow to ensure proper airflow.
- Periodically clean the outdoor coil fins with a soft brush or water hose.
- Schedule annual professional maintenance by a Licensed HVAC contractor to check refrigerant levels, electrical connections, and overall system health.

Troubleshooting

Before contacting service, review the following common issues and solutions:

Problem	Possible Cause	Solution
Unit does not turn on.	No power, remote control batteries dead.	Check circuit breaker, replace remote batteries.
Insufficient cooling/heating.	Dirty air filters, blocked outdoor unit, low refrigerant.	Clean filters, clear obstructions, contact HVAC professional for refrigerant check.

Problem	Possible Cause	Solution
Unusual noise.	Loose parts, fan obstruction.	Inspect for loose components, clear obstructions. If noise persists, contact service.
Water leakage from indoor unit.	Clogged drain line, improper installation.	Clear drain line, contact HVAC professional for inspection.

If the problem persists after attempting these solutions, please contact a Licensed HVAC professional or Gree customer support.

Specifications

Key technical specifications for the Gree VIREOGEN3 9,000 BTU Mini Split System:

- **Model:** VIREOGEN3
- **Cooling Capacity:** 9,000 BTU
- **Heating Capacity:** (Implied by Heat Pump)
- **SEER (Seasonal Energy Efficiency Ratio):** 26
- **Voltage:** 115 Volts
- **Refrigerant:** R 410A
- **Form Factor:** Mini-Split
- **Special Features:** G10 Inverter Technology, Google Home/Alexa Connectivity, Easy to Install (by professional)
- **Manufacturer:** GREE



Image: Icons representing key features and certifications: 5-year limited warranty, WiFi Ready, Heating & Cooling, AHRI Certified, G10 Inverter Technology, Intertek ETL Listed, and Energy Star.



Image: A table showing dimensions for various BTU capacities of Vireo+ Single indoor and outdoor units. For 9,000 BTU, indoor unit is 33" x 11" x 8" and outdoor unit is 33" x 21" x 12".

Warranty and Support

Manufacturer's Warranty:

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

Important Warranty Note: To be eligible for the manufacturer's warranty, installation must be performed by a state Licensed HVAC contractor.
For technical support, warranty claims, or service inquiries, please contact Gree customer service or your authorized Gree dealer.

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