



GREE MultiPRO Multi-Position Air Handler Instructions

[Home](#) » [Gree](#) » GREE MultiPRO Multi-Position Air Handler Instructions 

Contents

- [1 GREE MultiPRO Multi-Position Air Handler](#)
- [2 Product Information](#)
- [3 Product Usage Instructions](#)
- [4 Warranty](#)
- [5 TOOLS REQUIRED](#)
- [6 BEST PRACTICES](#)
- [7 Communication Wiring](#)
- [8 INSTALL SUPPORT](#)
- [9 Documents / Resources](#)
 - [9.1 References](#)
- [10 Related Posts](#)



GREE MultiPRO Multi-Position Air Handler



Product Information

- The product is a heating, ventilation, and air conditioning (HVAC) system with model numbers beginning with GMV. It consists of both an indoor unit (IDU) and an outdoor unit (ODU), which are powered separately and operate on 208/230 vac. The system is designed to be installed by a licensed HVAC contractor and must comply with applicable local and national codes for proper installation.
- Proper unit placement is crucial for optimal performance. The indoor and outdoor units should have sufficient clearance for proper airflow and servicing. Additionally, anchoring both units securely prevents vibration or malfunction. The installation should also include space for drainage to ensure proper disposal of condensate.
- Wiring and breaker sizing must be in accordance with local codes. It is recommended to have a means to disconnect for all indoor and outdoor units. Multiple indoor units can share one breaker, but it is important to check local requirements. Using a surge protector is highly recommended.
- Charging the system requires testing refrigerant lines for leaks by pressurizing with Nitrogen to 500 P.S.I. A leak detection solution should be used to test all connections at flare solder and compression fittings for any leaks. Proper evacuation and leak testing should be performed using approved evacuation hose and vacuum pump oil. The system should be evacuated to less than 500 Microns and held for 30 minutes. If refrigerant needs to be added, an electronic scale should be used to weigh in the precise amount determined by the basic layout or the selection software. All service valves on the air handler should be opened prior to energizing the system.
- Communication wiring for control purposes should be 18 AWG, 2 conductor, stranded wire. Shielding is not required but can be used if desired, following the daisy chain (parallel) configuration of the control wiring. If shielding is used, it should be tied together and grounded only at the outdoor unit. A resistor should be installed on the last indoor unit's D1 and D2 connections.

Product Usage Instructions

1. Ensure that the system is installed by a licensed HVAC contractor and complies with local and national codes.
2. Follow the clearance guidelines for both the indoor and outdoor units to ensure proper airflow and servicing.

3. Properly anchor both units to prevent vibration or malfunction.
4. Create space for drainage to allow condensate to flow out of the unit.
5. Verify that the wiring and breaker sizing comply with local codes.
6. Consider using a surge protector for added protection.
7. Test refrigerant lines for leaks by pressurizing with Nitrogen to 500 P.S.I. Use a leak detection solution to test all flare solder and compression fitting connections.
8. Evacuate the system using approved evacuation hose and vacuum pump oil. Ensure evacuation is less than 500 Microns and hold for 30 minutes.
9. If refrigerant needs to be added, use an electronic scale to weigh in the precise amount determined by the basic layout or selection software.
10. Open all service valves on the air handler before energizing the system.
11. Use 18 AWG, 2 conductor, stranded wire for control wiring. Shielding is optional but can be used following the daisy chain configuration. Ground the shielding only at the outdoor unit. Install a resistor on the last indoor unit's D1 and D2 connections.

For additional support and resources, visit greecomfort.com/resources or watch instructional videos at youtube.com/@GREEComfort/videos.

Warranty

ONLY VALID IF SYSTEM IS INSTALLED BY A LICENSED HVAC CONTRACTOR. Installation must comply with applicable local & national codes.

TOOLS REQUIRED

- R410A Flaring Tool
- Clamp-On Amp Meter
- Vacuum Pump
- Refrigerant Scale
- Micron Gauge
- Refrigerant Manifold & Gauges
- Nitrogen Regulator
- Wrenches (standard)
- Adjustable Torque Wrench
- Hex Keys (Allen Wrenches)
- Drill & Drill Bits
- Hole Saw
- Pipe Cutter
- Level
- Screw Drivers
- Safety Goggles
- Gloves

BEST PRACTICES

Verify Equipment

- Ensure both IDU & ODU
- Model Numbers begin with GMV

Unit Placement

- Follow clearance guidelines on indoor & outdoor units for proper airflow & servicing
- Include space for drainage so condensate flows out of unit
- Anchor both units properly to prevent vibration or malfunction
- Be sure condensate drain tubing is pitched downward for proper drainage

Piping

- Use only correct line set size as determined by either Basic Layout, system builder or selection software
 - Insulate both refrigerant lines from each other
-]For flare connections, use 45° flaring tool
-]Refer to GREE Multipro reference guide for Piping details.

Communication Wiring

- All Control; wiring is 18 AWG, 2 Conductor, Stranded Shielding is not required ,but if used must tie together, following the daisy chain (parallel) configuration of the control wiring, and grounded only at the outdoor unit.
- Resistor to be installed on the last indoor unit D1 & D2

Wiring

- Wiring and breaker sizing must be in accordance with local codes
- Outdoor and Indoor units are powered separately and are 208/230 vac
- Must have a means to disconnect for all indoor and outdoor units
- Multiple indoor units may share one breaker(Check local requirements)
- Surge protector HIGHLY recommended


Charging

- Test refrigerant lines for leaks by pressurizing with Nitrogen to 500 P.S.I.
- While under pressure, use a leak detection solution to test for all leaks at all flare solder , compression fitting connections.
- Use only approved evacuation hose & vacuum pump oil for proper evacuation and leak testing: Evacuate to less than 500 Microns and hold for 30 minutes.
- If refrigerant is added, use an electronic scale and weigh in the precise amount that is determined by the basic layout or the selection software
- Open all service valves (air handler) prior to energizing the system.

INSTALL SUPPORT

greecomfort.com/resources | www.youtube.com/@GREEComfort/videos
GREE_Multipro_Please Read_09132023

Documents / Resources



[GREE MultiPRO Multi-Position Air Handler](#) [pdf] Instructions
GMV, MultiPRO Multi-Position Air Handler, Multi-Position Air Handler, Air Handler

References

-  [System Documentation | GREE Comfort](#)