

Please read this manual carefully before installation and keep it for future reference.

# Installation & Owner's Manual



**MRCOOL®**

COMFORT MADE SIMPLE

## Hyper-Heat Single-Zone 24K-60K Ducted Air Handler & Condenser

Due to updates and constantly improving performance, the information and instructions within this manual are subject to change without notice. Please visit [www.mrcool.com/documentation](http://www.mrcool.com/documentation) to ensure you have the latest version of this manual.

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## Before Test Run

A test run must be performed after the entire system has been completely installed. Complete and confirm the list of checks below before performing a test run.

### List of Checks to Perform Before Test Run

- The indoor & outdoor units are properly installed
- Unit is properly grounded
- All wiring & electrical terminals are properly covered & connected
- The power voltage is the correct voltage for the unit
- Length of piping and additional refrigerant stow capacity have been recorded.
- All refrigerant piping connection points are properly connected and **DO NOT** leak
- Water drains properly from drain pipe and to a safe location
- Heating insulation is properly installed
- Ensure there are no obstacles near the inlet and outlet of the outdoor or indoor units
- Ensure all connection valves on the outdoor condenser are fully opened

## Test Run Instructions

### **WARNING**

Failure to perform the test run could result in damage to the unit, property, or personal injury. Only perform test run after you have ensured the following steps have been completed:

- **Electrical Safety Checks** - Confirm that the unit's electrical system is safe and operating properly.
- **Gas Leak Checks** - Check all refrigerant piping/line set connections and confirm that the system is not leaking.
- Confirm that the gas and liquid (high and low pressure) stop valves are fully open.

You should perform the Test Run for at least 30 minutes.

1. Connect power to the unit. Then, turn on the main power switch and allow the unit to warm up.
2. Set the air conditioner to **COOL** mode.

### List of Checks to Perform During Test Run

#### For Indoor Unit

- Ensure the room temperature is being registered/displayed correctly
- Ensure the manual buttons of the indoor air handler function properly
- Check to see that the drainage system is unimpeded and draining smoothly
- Ensure there is no vibration or abnormal noise during operation

#### For Outdoor Unit

- Ensure refrigerant system & piping connections **DO NOT** leak
- Ensure there is no vibration or abnormal noise during operation
- Ensure the wind, noise, and water generated by the unit **DO NOT** pose a safety hazard or cause a disruption to your neighbors

### Drainage System Test

This test is to ensure the drainage system is functioning properly and drains smoothly. New buildings should have this test performed before the ceiling is finished.

1. Remove the test cover. Then, add 2,000 ml of water to the tank through the attached tube.
2. Turn on the main power switch and run the air conditioner in **COOL** mode.
3. Listen to the sound of the drain pump to see if it makes any unusual noises.
4. Ensure that the water is being discharged. It may take up to one minute before the unit begins to drain depending on the drain pipe.
5. Ensure that there are no leaks in any of the piping.
6. Then, stop the air conditioner. Turn off the main power switch and reinstall the test cover.

**NOTE: If the unit malfunctions or does not operate correctly, please refer to the Troubleshooting section of this manual before contacting technical support.**