

Frequently Asked Questions

What is on the pre-startup checklist?

Pre-Startup Checklist

The following items should be checked on all units prior to startup:

Exterior and Interior Inspection

- Interior and exterior of unit is inspected for rigging and shipping damage. Any damage was reported to the manufacturer.
- Unit is installed correctly and is level.
- Unit is secured to curb or mounting supports.
- Clearances stated in the IOM have been followed.
- Doors operate smoothly and gaskets are in place.
- Door handles are tightened to ensure complete gasket seal.
- All shipping blocks/brackets/tie downs/bolts/etc. are removed.
- Condensate drains are piped, trapped, free of debris, and primed.
- External ductwork is completed and correctly installed.
- Outdoor air intake hood is installed, bird screen/filters are in place, and opening is unobstructed.
- Interior of unit is free of debris and/or ship-loose components.
- Filters are present and installed in correct directions.

Controls and Electrical

- Main power is wired to the disconnect, and the phase voltage monitor is not tripped.
- Incoming power matches unit's rated voltage within $\pm 4\%$.
- Electrical field wiring is complete.
- All field-mounted sensors and instruments are installed and wired.
- The supply temperature sensor is mounted 3-5 duct diameters downstream of the unit's discharge and away from any major changes in the duct.

- All factory and field electrical connections are tightened.
- Unit controller is disabled, or main unit disconnect is off. Note: Crankcase heaters must be energized for a minimum of 24 hours before refrigerant cooling startup.

Fans and Motors

- Fan inlets and outlets are unobstructed.
- Fasteners, setscrews, and locking collars on the fan are secure.
- Fasteners on the motor and base are secure.
- Fan wheel rotates freely by hand and no parts are rubbing.

Indirect Gas Fired Furnaces (As Applicable)

- Gas piping is complete and gas lines are purged.
- Incoming gas pressure is within acceptable range stated in IOM.
- Gas venting is in place (indoor units).
- The entire gas train is free of any leaks.

Hot/Chilled Water Coils (As Applicable)

- Field water piping is complete.
- Control valves are installed, wired, and operating properly.
- Water coils are balanced to design GPM.
- Water system is free of air.
- Freeze stats are installed and wired (as applicable).