

INSTALLATION CHECK LIST

Model # _____

Serial # _____

Owner _____

Owner Phone # _____

Owner Address _____

Installing Contractor _____ Start Up Mechanic _____

- £ · Inspect the unit for transit damage and report any damage on the carrier's freight bill.
- £ · Check model number to insure it matches the job requirements.
- £ · Install field accessories as required. Follow accessory installation instructions.
- £ · Prior to energizing the unit, inspect all the electrical connections. Tighten if needed.
- £ · On units with a reciprocating compressor, loosen the compressor mounting bolts
- £ · Verify field wiring, including the wiring to any accessories.
- £ · Check the multi-tap transformer, to insure it is set to the proper incoming voltage.
- £ · Install a drain trap.
- £ · On belt drive units, verify correct belt tension, as well as the belt/pulley alignment.
- £ · On all blowers, verify proper wheel/housing alignment. Check to insure the wheel is properly tightened on the motor or shaft.
- £ · Power the unit. Bump the motor starter and outdoor contactor to check rotation. Three phase compressors and motors are synchronized at the factory. If blower motor or condenser fans are running backwards, de-energize power to the unit, then swap two of the three incoming electrical lines to obtain proper phasing. Re-check.
- £ · Perform all start up procedures outlined in the installation manual shipped with the unit.
- £ · Fill in the Start Up Information as outlined on the opposite side of this sheet.
- £ · Provide owner with information packet. Explain the thermostat and unit operation.

START UP INFORMATION SHEET

VOLTAGE – OUTDOOR UNIT

Incoming Voltage L1-L2_____ L1-L3_____ L2-L3_____

Running Voltage L1-L2_____ L1-L3_____ L2-L3_____

Secondary Voltage_____ C to G Volts*_____ C to Y1*_____ C to Y2*_____

**With thermostat calling (Y2 is only used on units with economizers and two stage thermostats)*

AMPERAGE – CONDENSER FAN

Rated Amps - _____ Running Amps - _____

AMPERAGE – INDOOR FAN

Evaporator Motor: Nominal HP_____ Rated Amps_____ Running Amps_____

AIRFLOW

Design CFM_____ Dry coil Pressure Drop_____ Calculated CFM_____

Ambient Temp_____ Return Air db Temp*_____ Supply Air db Temp*_____

Return Air wb Temp*_____ Supply Air wb Temp*_____

** Measure after 15 minutes of compressor run time*

REFRIGERATION SYSTEM

System 1 Suction Pressure_____ Suction Temperature_____ Superheat_____

Discharge Pressure_____ Discharge Temperature_____ Subcooling_____

To Calculate CFM:

1. Run the unit in FAN ONLY mode for at least 10 minutes to obtain a dry evaporator coil.
2. Remove the dot plugs from the filter and blower access panels
3. Place the 1/4" tubes from an incline manometer 8" into the holes, holding them perpendicular to the flow of air.
4. Measure the pressure drop across the coil.
5. Convert the pressure drop to a CFM using the chart on the right.

