

Start Up Checklist

Air Source Units

Must be filled out for each unit and returned with warranty registration form

Unit Location: _____ **HP:** _____

Model #: _____ **Serial #:** _____

- Check all the wiring connections to ensure they are tight
- Check to make sure the unit is mounted level
- Check the Condensate line to ensure a trap has been installed
- Check the Drain Pan to ensure it drains freely when unit is in operation
- Verify correct incoming Voltage

Voltage: _____ VAC

Run Unit at 100% capacity for a minimum of 15 minutes then complete the following

- Verify Water Flow Rates

Cond. Flow: _____ gpm

- Record Condenser Water Temperature.

Water Temp. in (Tcondin) _____ °F

Water Temp. out (Tcondout) _____ °F

- Calculate Heating Capacity _____ btuh

(Heating Capacity = (Tcondout - Tcondin) x Cond. Flow x 500)

- Record the Ambient Air Temperature _____ °F

- Record Compressor amps per phase

L1 _____ amps

L2 _____ amps

L3 _____ amps

Calculate superheat prior to accumulator _____ ° F

Check sightglass

_____ Clear _____ Bubbles

Record Evaporator Pressure _____ psig

Saturated Evaporator Temperature (SET) _____ ° F

Record Condenser Pressure _____ psig

Saturated Condenser Temperature (SCT) _____ ° F

Measure compressor discharge line temperature _____ ° F

Measure compressor suction line temperature _____ ° F

Measure refrigerant liquid line temperature _____ ° F

Record oil level in compressor sight glass

_____ Full _____ 3/4 _____ 1/2 _____ 1/4

Calculate approach temperature (SCT - Tcondout) _____ ° F

Installer Signature: _____ Date: _____

Manufacturers Copy

To be returned to: Nyle Water Heating Systems, LLC 12 Stevens Rd Brewer, Maine 04412