

START UP CHECKLIST Air Source Units

Job Location _____

Date of Startup _____

Model No. _____

HP _____

Serial No. _____

JOB NOTES:

!!UNIT MUST BE POWERED ON FOR 6 HOURS BEFORE HEATING SYSTEM!!

- ☐ Oil leak inspection inside cabinet. (*Please see start-up section of I/O Manual)
- ☐ All wiring connections are tight.
- ☐ Unit mounting is level.
- ☐ Condensate trap is installed and prefilled.
- ☐ Drain Pan drains freely when unit is in operation.
- ☐ Verify correct incoming Voltage _____ Record VAC
- ☐ Water sample obtained & submitted. Water test kit P/N 100249265

— The information on this form verifies operation of the Lochinvar product only. —
This does not imply other system components or overall system operation is certified.
Component and system verification should be performed by the designated commissioning agent or installing contractor.

WARNING ! This Startup Sheet is for use only by a qualified heating installer/ service technician. Refer to the Installation and Operation Manual for your reference. Have this unit serviced/inspected by a qualified service technician, at least annually. Failure to comply with the above could result in severe personal injury, death, or substantial property damage.

**RUN UNIT AT 100% CAPACITY FOR A MINIMUM OF 15 MINUTES THEN COMPLETE THE FOLLOWING:
FLOW RATES, TEMPERATURES AND PRESSURES SHOULD BE TAKEN FROM THE USER INTERFACE**

WATER FLOW RATES

Condenser Flow: _____ gpm

Water Temp. **IN** : _____ °F

Water Temp. **OUT** : _____ °F

CALCULATED HEATING CAPACITY: _____ btuh
[$(T_{condout} - T_{condin}) \times \text{Cond. Flow} \times 500$]

Ambient Air Temperature: _____ °F
(actual outside temp, not from temp sensor)

Record Compressor amps per phase:

L1 _____ amps

L2 _____ amps

L3 _____ amps

☐ Check sightglass Clear ☐ Bubbles ☐

Oil level in compressor sight glass after

15 min: Full ☐ 3/4 ☐ 1/2 ☐ 1/4 ☐

30 min: Full ☐ 3/4 ☐ 1/2 ☐ 1/4 ☐

NUMBER OF TANKS _____ GALLON CAPACITY _____

PRESSURE & TEMPERATURES

CHECK SUPERHEAT AT 15 MIN & 30 MIN

- Compressor super heat - 15min: _____ 30min: _____

- Evap 1 super heat - 15min: _____ 30min: _____

- Evap 2 super heat - 15min: _____ 30min: _____

Compressor suction pressure (psig): _____

Compressor discharge pressure (psig): _____

Compressor discharge line temperature: _____ °F

Compressor suction line temperature: _____ °F

Liquid line temperature: _____ °F

START-UP PERFORMED BY:

Company: _____

Name: _____

Phone: _____

START-UP APPROVED BY:

Company: _____

Name: _____

Phone: _____

Send completed form By Email: 2tech@Lochinvar.com

By Fax: (615) 882-2963

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