



Liebert Fin/Tube Condenser Warranty Inspection Check Sheet

The following information must be fully completed and forwarded to your local Liebert sales office to establish your equipment warranty.

Installer _____ Address _____

Owner _____ Address _____

Owner e-mail address _____

Installation Date _____

Was the unit received in good condition? Yes No

If no, has the carrier been notified? Yes No

Have the manuals been kept with unit? Yes No

PRE-START-UP

Condenser Unit Serial Number: _____

Condenser Model Number: _____

Evaporator Unit Serial Number: _____

Evaporator Unit Model Number: _____



WARNING

Arc flash and electric shock hazard. Open all local and remote electric power disconnect switches, verify with a voltmeter that power is off and wear personal protective equipment per NFPA 70E before working within the electric control enclosure or any hazardous voltage electric connection enclosure. Failure to comply can cause serious injury or death.

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With the electric power to the unit OFF check the following items as noted:

- Is condenser at least 18" from any obstructions, walls, or adjacent units?
- Field piping properly supported and secure.
- Inverted traps installed on refrigerant lines where required (refer to installation manual).
- All piping secured and isolated for vibration reduction.
- Hot Gas line pitched according to User Manual.
- Field piping trapped according to User Manual.
- Field piping properly sized according to the User Manual.
- ALL electrical connections are tight and properly terminated on Evaporator and Condenser.
- Heat Rejection Interlock wiring has been correctly installed between Evaporator and Condenser (70 & 71).
- Equipment is installed level.
- Remove all debris from unit area.
- A separate power source is connected to the Lee-Temp heater pads.
- Condenser fans are secure, with blades rotate freely with no obstructions.
- All panels are securely fastened to unit?

Condenser Inspection



WARNING

Risk of electric shock, contact with high speed moving parts and hot surfaces, Can cause serious injury or death. Use extreme caution when working inside the unit cabinet of an energized unit near bare live hazardous voltage terminals, high speed moving parts such as fan blades and hot surfaces such as motors, hot gas lines

1. Check voltage at disconnect and record.

L1-L2 _____ **L2-L3** _____ **L1-L3** _____

2. Close all local and remote electric power disconnect switches. Verify with a voltmeter that power is on and the supply voltage matches the marked unit voltage rating.

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WARNING

Arc flash and electric shock hazard. Wear personal protective equipment per NFPA 70E before working within the electric control enclosure or any hazardous voltage electric connection enclosure. Use extreme caution when checking the status of live hazardous voltage circuits. Failure to comply can cause serious injury or death.

- Check unit electrical phasing with a phase meter. If phasing is incorrect, change wiring at input source to unit. Do not change any unit or component phasing.

3. Check and record control voltage transformers for proper output. (Secondary voltage should not be under 23 VAC or exceed 27 VAC under load, change tap if necessary).

T1 _____ Volt

4. Enable Fans and record all fan amps. (Fill in all that applies.)

No. 1 L1 _____ L2 _____ L3 _____ Fuse _____

No. 2 L1 _____ L2 _____ L3 _____ Fuse _____

No. 3 L1 _____ L2 _____ L3 _____ Fuse _____

No. 4 L1 _____ L2 _____ L3 _____ Fuse _____

No. 5 L1 _____ L2 _____ L3 _____ Fuse _____

No. 6 L1 _____ L2 _____ L3 _____ Fuse _____

No. 7 L1 _____ L2 _____ L3 _____ Fuse _____

No. 8 L1 _____ L2 _____ L3 _____ Fuse _____

Air-Cooled Condenser w/Fan Speed

Add additional refrigerant to obtain the proper superheat and subcooling for fan speed model condensers. Refer to associated evaporator warranty inspection sheet for additional information.

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Condensers w/ Lee-Temp Receivers

- a. On each receiver at the condenser there are two refrigerant-level sight glasses. Refrigerant level will vary with outside temperature. Check refrigerant level after the system has been on for at least 15 minutes. Record Ambient Temperature and Refrigerant level below.

Ambient Temperature _____

Sight Glass Level (Mark box)

40°F (4.5°C) and lower—bottom sight glass is 3/4 full

40 to 60°F (4.5 to 15.5°C)—bottom sight glass is full

60°F (15.5°C) and higher—top sight glass is 3/4 full

- b. Check Voltage at Lee-Temp Heater Pad and record below. (If Applicable):

Volts _____

5. Check constant speed fan stat settings. Factory settings can be found on the condenser wiring diagram. Adjust stats settings if needed.
6. Reinstall any panels, or caps that were removed during start-up.

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Your start-up is now complete.

Your input is important to us. Did you encounter any factory or field issues? If YES, please check the YES box and supply detailed description below. If NO, please check the NO box; however please feel free to provide any additional comments or suggestions.

YES

NO

Comments:

START-UP

PERFORMED BY _____

(Please print name)

START-UP DATE _____

COMPANY _____

PHONE # _____

IMPORTANT:

This form must be properly completed and returned to your local Liebert Sales office. If you do not know who your local Liebert sales office is, call 1-800-Liebert or check our website at:

<https://www.vertivco.com/en-us/products/brands/liebert/>