



Liebert IntelCool 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

IntelCool Serial Number: _____

IntelCool Model Number: _____

Compressor Serial Number _____

Compressor Model Number _____

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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.

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

- Internal piping clamps tight and secure.
- ALL electrical connections are tight and properly terminated.
- Equipment is installed level.
- Remove all debris from unit area.
- Drain lines are open and clear of dirt and debris.
- Duct work is complete, and secured.
- Filters are installed in the unit?

Filter Size _____ Quantity _____

- Blower drive system rotates freely.

Main fan HP _____

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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 blower wheels and shafts, pulleys, belts, EC fan blades and hot surfaces such as motors, heater elements, hot gas lines, and humidifier bottles.

1. Check voltage at disconnect and record.

L1-L2 _____ (If Applicable) L2-L3 _____ (If Applicable) 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.



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.
- Check the compressors for proper rotation by bumping the contactors and watching the gauge pressures. If the pressures are equalized and the compressor sounds noisy, then compressor is running backwards.

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 Fan and record Main Fan amperage.

L1 _____ L2 _____ (If Applicable) L3 _____

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5. Increase temperature to energize the heaters and record amperage. Disable heaters after test.

L1 _____ **L2** _____ (If Applicable) **L3** _____

6. Decrease temperature to energize compressor.

7. Check compressor operating pressures and record.

Suction Pressure _____ **Discharge Pressure** _____

8. Check superheat on each circuit. (Should be approximately 10°-15°)

Superheat _____

9. Check and record compressor amps.

L1 _____ **L2** _____ (If Applicable) **L3** _____

10. Check and record condenser fan amperage.

L1 _____ **L2** _____ (If Applicable) **L3** _____

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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 _____ **START-UP DATE** _____
(Please print name)

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/>