



Liebert CW

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 _____

Date of Installation: _____

Was the unit received in good condition? Yes No

If no, was the carrier notified? Yes No

Have the manuals been kept with unit? Yes No

PRE-START-UP

CW Serial Number: _____

CW 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.

Liebert CW

Warranty Inspection Check Sheet

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

- Internal piping clamps tight and secure on Evaporator.
- Field piping properly supported and secure.
- ALL electrical connections are tight and properly terminated on Evaporator and Condenser/Drycooler.
- Equipment is installed level.
- Remove all debris from unit area.
- Water supply line(s), condensate pump, or gravity drain connections are tight and do not leak. Drain lines are open and clear of dirt and debris.
- Duct work is complete, and secured. (If Applicable)
- Verify Proper Water/Glycol Maintenance/Treatment has been performed.
 - Yes No (if no, conformation available please inform end user)
- Strainers Shut off valves
- Filters are installed in the unit?

Filter Size _____ **Quantity** _____

Forward Curve Fan

- Blower drive system rotates freely and belts are properly aligned and tensioned

Main fan HP _____ **Voltage** _____ **Belt Size** _____

Motor Sheave _____ **Fan Pulley** _____

EC Fan

- EC plug fan Assemblies tight and secured?
- EC plug Fan secured in **UP** position?
- EC plug Fan secured in **Down** position?
- Jack secured in holder?

EC Plug Fan HP. _____ **Voltage** _____

Liebert CW

Warranty Inspection Check Sheet

Evaporator 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 bulbs

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.

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. Record iCOM Software Version: _____

NOTE: The software version is located in the Network Menu that is located in Service Menus.

NOTE: Check operation of each component by utilizing the Service Menu that is located in the Service Menus on the iCOM Control.

5. Enable Manual Mode.

Liebert CW

Warranty Inspection Check Sheet

6. Enable Fans and record Main Fan amperage.

L1 _____	L2 _____	L3 _____	Fuse _____
L1 _____	L2 _____	L3 _____	Fuse _____
L1 _____	L2 _____	L3 _____	Fuse _____

7. Enable Reheats and record amperage. Disable Reheats after test.

RHT1 ____/____ RHT2 ____/____ RHT3 ____/____ Fuse _____

NOTE: On units with Infrared humidifiers, fill pan with water before turning on the lamps. Check water level and adjust high limit float for proper operation.

8. Enable Humidifier and record amperage. Check for leaks at all piping connections. Disable Humidifier after test.

 **WARNING**

Risk of electric shock and contact with extremely hot parts, can cause serious injury or death. Use extreme caution when working near bare live hazardous voltage terminals or energized humidifier bulbs.

L1 _____ L2 _____ L3 _____ Fuse _____

9. Check condensate pump for proper operation by filling pump with water. Check for leaks at all piping connections. Record pump amperage. (If Applicable)

 **WARNING**

Risk of electric shock and contact with hot motor surfaces, Can cause serious injury or death. Use extreme caution when working near bare live hazardous voltage terminals or the energized condensate pump motor. Do not remove the condensate pump electric connection terminal cover. Use extreme caution and do not spill water on the motor or the electric connection cover.

L1 _____ L2 _____ Fuse _____

Chilled Water Valve

- Set 3P 1/2 Actuator Open to On. Check for full valve travel. Set 3P 1/2 Actuator Open to Off.
- Set 3P 1/2 Actuator Close to On. Check for complete valve closure. Set 3P 1/2 Actuator Close to Off.
- Check for leaks at all piping connections.

Liebert CW Warranty Inspection Check Sheet

NOTE: Adjust all set-points for proper operation after testing.

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/>