



LC/LV/SA Startup Request Form

Factory Assisted Start-Up consists of a Desert Aire Service Department Technician to visit the job-site and provide supervisory experience to installing contractors as they perform the required procedures as outlined in our warranty activation start-up report. The company technician will also present an educational review of the dehumidifier's operating and maintenance requirements. **Factory Assisted Start-Up is not an installation bid & therefore the system must be ready to run before scheduling.**

CST Start-Up is performed by a local Certified Service Technician who has been trained by Desert Aire. The CST performs all duties listed above. In addition they will supply the "items to be supplied for start-up" as listed below. Please note charges for refrigerant will apply if refrigerant is necessary to complete the start up.

Items to be completed by the installing contractor before any Start-Up can be scheduled:

- Dehumidifier leak checked and inspected for internal concealed damage – remove access panels and inspect the interior of the unit for transit damage. Contact Desert Aire immediately if damage is noted **(262)946-7400**
- Dehumidifier leveled and properly supported per the installation manuals recommendations. **See section 2.1 of the LC/LV I&O manual for details**
- Outside air duct filters and damper installed (if applicable) – **See LC/LV I&O manual section 2.2 for details**
- Condensate P Trap installed with heat trace for winter operation. **See LC/LV I&O manual section 2.3 for details**
- Remote condenser plumbed per **Air Cooled I&O manual section 2.4**, check valve installed in the hot gas discharge line (**this valve is shipped separately with other controls**) , leak checked, evacuated, and charged if necessary. LC and LV Units require additional field charging. **Refer to the charge label affixed to the unit for details.** Refrigerant added _____lbs.(if applicable)
- Gas heater lines plumbed and purged / Record gas pressure entering the unit - _____'wc (if applicable)
- Refrigeration line set is clamped and the header supported per the **Air Cooled I&O manual sec 2.3**
- Pressure transducer and cord sent with the remote condenser installed on the liquid line header and wired to the Johnson 450 controller. **See section 2.7 of the Air Cooled I&O manual for wiring details.** (if applicable)
- All electrical connections terminated and verified for proper voltage at the unit and the condenser (if applicable)
- All field controls, sensors - duct or wall sensor installed per the **LC/LV I&O manual Section 2.7**, (This sensor is shipped separately with other components) actuators installed and circuits verified that they are wired correctly. If you have questions, contact Desert Aire for instructions **(262)946-7400**.
- Water condenser circuit connected to dehumidifier with flow meter and balancing valves installed in circuit (if applicable)
- Water temp sensor well and temp sensor installed per **I&O manual section 2.4** (This sensor is shipped separately with other components)
- Water flow verified and air purged from water the lines. (If applicable)
- Remove shipping blocks from under the compressor.

Items to be supplied by the installing contractor (Factory Assisted Start-Up only)

- Equipped service vehicle and service technician – Technician will be trained.
- Volt/Amp/OHM meters. / Refrigerant Manifold Gauges
- Combustion Analyzer (SA Units only supplied with factory gas heating option)
- Air balancing equipment (magnehelic or manometer differential pressure gauge – one inch scale preferred)
- 50# of the appropriate refrigerant & scale.
- Hand pump for adding oil to compressors and 1 gallon of one of the following oils:
Copeland Ultra 32-3MAF
Lubrizol Emkarate RL32-3MAF
Park Emkarate RL32-3MAF
Nu Calgon 4314-66 (RL32-3MAF)
(This is required on split systems based on line set calculations and trapping)



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Unit Information

Model # _____

Serial # _____

Jobsite Information

Job site name _____

Job Site Address _____

Contractor Information

Installing Contractor: _____

Manager's Name : _____ Phone #: _____

Job Site Contact: _____ Cell # _____

Controls Company Name: _____

Controls Contact: _____ Cell# _____

Test and Balance Company: _____

If you are unable to supply any of the required equipment you must contact Desert Aire before returning this document.

I agree that all of the above has been completed as of _____ (Date) If a return trip must be scheduled due to insufficient job-site preparation an additional purchase order must be issued to Desert Aire for re-scheduling. **A two week minimum is needed to schedule start-up.** Once the form is completed please fax or email both pages to the Desert Aire service department. Fax (262) 946-7400 Email: service@desert-aire.com

Signature of project manager: _____ (print) _____ (sign)

Company Name: _____ Phone #: _____