

SA Startup Request Form

<u>Factory Assisted Start-Up</u> 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. <u>Factory Assisted Start-Up is not an installation bid & therefore the system must be ready to run before scheduling.</u>

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

Unpa	ack	ing and installing
[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
[Return and supply duct work complete with grills, registers, and turning veins installed where necessary.
[Outside air and exhaust duct work complete.
[Condensate P Trap installed with heat trace for winter operation. See SA I&O manual section 2.3 for details
[Remove shipping blocks from under the compressor and blowers with spring isolation
[Inspect the remote condenser for nitrogen holding charge – condensers are shipped with 30 psig
Rem	ote	condenser installation and wiring
[Remote condenser plumbed per Air Cooled I&O manual section 2.4 , Traps installed at the base of all hot gas risers and check valves installed in the hot gas discharge lines. Pay careful attention to which circuit goes to each remote condenser header . Many systems have dual circuits of different capacities. It is essential that the larger circuit on the dehumidifier is tied to the larger headers on the remote condenser.
[Refrigeration line sets are clamped and the header supported per the Air Cooled &O manual sec 2.3
[Linesets and remote condenser leak checked, evacuated, and charged if necessary. All SA units come pre-charged with enough refrigerant to accommodate up to a 50 foot lineset. If lineset is longer than 50 feet please contact Desert Aire for evaluation.
[Pressure transducers and cords sent with the remote condenser installed on the liquid line headers 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).
Sens	sor	Installation
[Combination temperature/humidity sensor installed in return air duct or on the wall in the conditioned space. See section See section 2.8.1 of the SA I&O manual for details
[Supply air sensor installed in supply air duct downstream of any auxiliary heat sources. See section 2.8.1 of the SA I&O manual for details
[Water condenser circuits connected to dehumidifier with flow meters and balancing valves installed in circuit. Water flow verified and air purged from water the lines. (if applicable)
[Water temperature sensor wells and temp sensors installed and wired per I&O manual section 2.8.2 (if applicable)
[Aux pool heater and booster pump interlocked with dehumidifier.
[Static pressure sensors installed and tubing run back to dehumidifier. See section 2.8.3 of the SA I&O manual for details. These sensors are required on SA units with integral exhaust fans.
[VOC sensor installed. See section 2.8.4 of the SA I/O manual for details (if applicable)
Aux	Hea	at Installation – Unit may be equipped with hot water coil, steam coil or aux gas heat package
[Water/Steam valve installed and wired per section 2.9 of the SA I&O Manual
[Gas heater installed per section 2.10 of the SA I&O Manual (if applicable)
[Gas heater lines plumbed and purged / Record gas pressure entering the unit'wc (if applicable)
Pa	age	1 of 2 SB-055



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` ` ` ` ` `	 ☐ Equipped service vehicle and service technician – Technician will be trained. ☐ Volt/Amp/OHM meters. / Refrigerant Manifold Gauges ☐ Air balancing equipment (magnehelic or manometer differential pressure gauge – one inch scale preferred) ☐ 50# of the appropriate refrigerant & scale. 			
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Copeland Ultra 3 Lubrizol Emkara Park Emkarate F Nu Calgon 4314	te RL32-3MAF			
Unit Information	Model #			
	Serial #			
Jobsite Information				
		Phone #:		
Job Sit	te Contact:	Cell #		
Controls Company N	Name:			
Controls Conta	act:	Cell#		
Test and Balance Co	ompany:			
If you are unable to suppl	y any of the required equipment you	must contact Desert Aire before returning this docu	ument.	
insufficient job-site prepar	ration an additional purchase order m schedule start-up. Once the form is	(Date) If a return trip must be schedule ust be issued to Desert Aire for re-scheduling. A two completed please Email both pages to the Desert	<u>vo week</u>	
•				
		(print)	(sign)	
Company Name:		Phone #:		