



## LT Series Start up Report

**Important** – To ensure warranty validation and continued customer satisfaction, complete this form and return it to Desert Aire immediately after start-up. Validation of this report activates the warranty.

**Desert Aire Corporation**  
**c/o Service and Warranty Department**  
**N120W18485 Freistadt Road**  
**Germantown, WI 53022**  
**(800) 443-5276**

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### Instructions

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- **Warning** – Only trained, qualified personnel should install and service Desert Aire equipment. Serious Injury or death can result from improper handling of this equipment. High voltage electrical components and refrigeration under pressure are present.
  - Before continuing, read the Installation and Operations manual. If you do not fully understand the manual contact the Desert Aire Service Department. Please be prepared with the model and serial numbers located on the rating plate of the unit.
  - Use one start up report per unit. Print or type all information. If there is not enough space available for readings or comments please attach additional pages directly to the start up report.
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### Location and Unit Information

Installation Name: _____	
Installation Address: _____	
Desert Aire Representative: _____	
Dehumidifier Model #: _____	Serial #: _____
Remote Condenser Model #: _____	Serial #: _____
Form Completed By (Print): _____	Signed: _____
Company Name: _____	Date: _____
Company Address: _____	Telephone #: (    ) _____
	Fax #: (    ) _____
Owners Email Address: _____	
Application (Pool, Spa, Other): _____	

\* Denotes that this is a model dependant item

Proper Installation Checklist		
<input type="checkbox"/> Installation manual read and understood	<input type="checkbox"/> Tighten all field and factory wiring	<input type="checkbox"/> Open all refrigeration service valves and tighten packing nuts
<input type="checkbox"/> Dehumidifier installed and leveled properly	<input type="checkbox"/> Adjust and tighten blower belts if necessary	<input type="checkbox"/> Check field and factory piping for leaks
<input type="checkbox"/> Condensate drain trapped and primed	<input type="checkbox"/> Check rotation of blower on 3 phase units	<input type="checkbox"/> Inspect air filters. Clean or replace as necessary
<input type="checkbox"/> Verify that the power supply matches the rating plate	<input type="checkbox"/> Check rotation of remote condenser fans.	<input type="checkbox"/> 120 volt circuit run to heat trace and powered up.

Unit Power Supply – Check transformer for proper primary wiring before powering up.				
Voltage at power block - No motors running	L1-L2	Control Voltage - No Motors running	Transformer 1	VA Rating
	L2-L3		Transformer 2	VA Rating
	L1-L3		Transformer 3	VA Rating

Line-set Installation			
***Refer to Installation and operation manuals for instructions***			
Line Sizes	Hot Gas		
	Liquid Return		
Lineset Length		Elevation Change	ABOVE / BELOW
Hot gas line trapped at every riser	Yes / No	Check Valve installed in hot gas line at remote condenser	Yes / No
Line-set pitched in direction of flow	Yes / No	Line-set Clamped per I/O Manual	Yes / No
Additional R407C Added	LBS	Additional Oil Added	OZS
Flush Cycle Enabled	Yes / No		

Fan Cycle Controller Settings – Refer to Air Cooled-Condenser manual for instructions						
SENS	SN-1		SN-2		SN-3	
OUTR <sup>1</sup>	ON <sup>1</sup>	OFF <sup>1</sup>	ONT <sup>1</sup>	OFT <sup>1</sup>	SNF <sup>1</sup>	SENS <sup>1</sup>
OUTR <sup>2</sup>	ON <sup>2</sup>	OFF <sup>2</sup>	ONT <sup>2</sup>	OFT <sup>2</sup>	SNF <sup>2</sup>	SENS <sup>2</sup>
OUTR <sup>3</sup>	ON <sup>3</sup>	OFF <sup>3</sup>	ONT <sup>3</sup>	OFT <sup>3</sup>	SNF <sup>3</sup>	SENS <sup>3</sup>
OUTR <sup>4</sup>	ON <sup>4</sup>	OFF <sup>4</sup>	ONT <sup>4</sup>	OFT <sup>4</sup>	SNF <sup>4</sup>	SENS <sup>4</sup>

<b>Air Flow Readings:</b> Refer to Installation and Operations manual for correct balancing procedures.					
		<b>Unoccupied Mode</b>		<b>Occupied Mode</b>	
Evaporator Static Pressure Drop		"wc		"wc	
Reheat Condenser Static Pressure Drop		"wc		"wc	
Supply Duct Static Pressure		"wc			
Return Duct Static Pressure		"wc			
OA Damper Setpoint		%		%	
Evap Bypass Damper Setpoint		%		%	
Blower FLA (off nameplate)	amps	Actual	L1	L2	L3
Blower Control Set to Continuous Operation or Automatic Operation				Continuous / Auto	

<b>Temperature Readings</b>			
Room Air Temperature	°F	Room Relative Humidity	°F
Outdoor Air Temperature	°F	Outdoor Relative Humidity	°F

<b>Compressors and Refrigeration in Reheat Mode</b>			
Motor #			
Compressor RLA off nameplate	amps		amps
Amperage	L1		L1
	L2		L2
	L3		L3
Head Pressure			Psig
Suction Pressure			Psig
Refrigerant Sight Glass Clear	Yes / No		
Suction Temp at Compressor			°F
Superheat			°F
Subcooling			°F
Compressor Oil Level Sight Glass (level should be at least 3/4 full at completion of the start up)	1/2	3/4	F

**Compressors and Refrigeration in Cooling Mode\*** (Remote or Tower Water Condenser)

Head Pressure	Psig
Suction Pressure	Psig
Refrigerant Sight Glass Clear	Yes / No
Superheat	°F
Subcooling	°F
Compressor Oil Level Sight Glass (level should be at least 3/4 full at completion of the start up)	1/2 3/4 F
Water In (applicable only with tower water condenser option)	°F
Water Out (applicable only with tower water condenser option)	°F

**Auxiliary Water / Steam Coil Information\***

	Signal	Inlet Temp	Outlet Temp	Discharge Air Temp
Water Coil		°F	°F	°F

**Auxiliary Electric Heater Information\***

	Signal	L1 Amps	L2 Amps	L3 Amps	Discharge Air Temp
Electric Heater					°F

**Building Management System Information\***

Communication Type (circle one)	BACnet MS/TP - BACnet Ethernet - Modbus - Lon - N/A	
BACnet MS/TP	Device Instance	
	MAC Address	
	Baud Rate	
BACnet Ethernet	IP Address	
	Netmask	
	Gateway	
Modbus	Baud Rate	
	Address	

**Additional Comments:** \_\_\_\_\_

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