

# FURNACE CONFIGURATION

**CUSTOMER**

**Date**

**FURNACE MODEL**     RTC LA-306     LCI LA-306     LCI LA-309P

**Serial Number**

**Job / Order Nbr**

**BASE EQUIPMENT**

<b>Power</b>	<input type="checkbox"/> Standard	<input type="checkbox"/> High Power	<input type="checkbox"/> Half Power (SCR's)
<b>Voltage</b>	<input type="checkbox"/> 208 Vac, 1 Ø	<input type="checkbox"/> 220 Vac, 1 Ø	<input type="checkbox"/> 230 Vac, 1 Ø
	<input type="checkbox"/> 208 Vac, 3 Ø	<input type="checkbox"/> 220 Vac, 3 Ø	<input type="checkbox"/> 380 Vac, 3 Ø
<b>Belt Speed, Units</b>  (Optional Speed)	<input type="checkbox"/> 0.5-10 inches/min	<input type="checkbox"/> 1.3-25 cm/min	<input type="checkbox"/> 13-250 mm/min
	<input type="checkbox"/> 1-20 inches/min	<input type="checkbox"/> 2.5-50 cm/min	<input type="checkbox"/> 25-500 mm/min
	<input type="checkbox"/> 2-40 inches/min	<input type="checkbox"/> 5-100 cm/min	<input type="checkbox"/> 50-1000 mm/min
<b>Product Clearance (height)</b>	<input type="checkbox"/> 50 mm (2 in.), std	<input type="checkbox"/> 25 mm (1 in.)	<input type="checkbox"/> 100 mm (4 in.)
<b>Baffle, Swinging Clearance (ht)</b>	<input type="checkbox"/> 6 mm (1/4 in.), std	<input type="checkbox"/> 12 mm (1/2 in.), std	<input type="checkbox"/> _____ other
<b>Process Gas Arrangement</b>			
Single Gas	<input type="checkbox"/> CDA	<input type="checkbox"/> Nitrogen	<input type="checkbox"/> Other
Dual Gas, Gas 1	<input type="checkbox"/> CDA	<input type="checkbox"/> Nitrogen	<input type="checkbox"/> Other, <u>CDA MIX</u>
Dual Gas, Gas 2	<input type="checkbox"/> Forming Gas	<input type="checkbox"/> Nitrogen	<input type="checkbox"/> Other

**CONFIGURATION AND OPTIONAL EQUIPMENT**

<table style="width: 100%; border-collapse: collapse;"> <tr><td><input type="checkbox"/> <b>AFR</b></td><td>Air Filter / Trap / Regulator</td></tr> <tr><td><input type="checkbox"/> <b>BNV</b></td><td>Belt, HiTemp Nichrome-V</td></tr> <tr><td><input type="checkbox"/> <b>BSS</b></td><td>Belt, 316 Stainless Steel</td></tr> <tr><td><input type="checkbox"/> <b>CB-1</b></td><td>Circuit Breaker Switch</td></tr> <tr><td><input type="checkbox"/> <b>CB-3</b></td><td>Circuit Breaker, 3-Phase</td></tr> <tr><td><input type="checkbox"/> <b>CXE</b></td><td>Load Extension (15 inches)</td></tr> <tr><td><input type="checkbox"/> <b>CXX</b></td><td>Unload Extension (15 inches)</td></tr> <tr><td><input type="checkbox"/> <b>DGO</b></td><td>Dual Gas Manifolds</td></tr> <tr><td><input type="checkbox"/> <b>EH</b></td><td>Edge Heaters (LA-309P only)</td></tr> <tr><td><input type="checkbox"/> <b>GSM</b></td><td>Supply Gas Mixing System</td></tr> <tr><td><input type="checkbox"/> <b>HC</b></td><td>Hermetic Chamber</td></tr> <tr><td><input type="checkbox"/> <b>HT</b></td><td>High Temperature (&lt;600C operation)</td></tr> </table>	<input type="checkbox"/> <b>AFR</b>	Air Filter / Trap / Regulator	<input type="checkbox"/> <b>BNV</b>	Belt, HiTemp Nichrome-V	<input type="checkbox"/> <b>BSS</b>	Belt, 316 Stainless Steel	<input type="checkbox"/> <b>CB-1</b>	Circuit Breaker Switch	<input type="checkbox"/> <b>CB-3</b>	Circuit Breaker, 3-Phase	<input type="checkbox"/> <b>CXE</b>	Load Extension (15 inches)	<input type="checkbox"/> <b>CXX</b>	Unload Extension (15 inches)	<input type="checkbox"/> <b>DGO</b>	Dual Gas Manifolds	<input type="checkbox"/> <b>EH</b>	Edge Heaters (LA-309P only)	<input type="checkbox"/> <b>GSM</b>	Supply Gas Mixing System	<input type="checkbox"/> <b>HC</b>	Hermetic Chamber	<input type="checkbox"/> <b>HT</b>	High Temperature (<600C operation)	<table style="width: 100%; border-collapse: collapse;"> <tr><td><input type="checkbox"/> <b>LFI</b></td><td>Line Interference Filter</td></tr> <tr><td><input type="checkbox"/> <b>LTR</b></td><td>Left to Right Belt Travel (standard)</td></tr> <tr><td><input type="checkbox"/> <b>MA</b></td><td>Moisture Analyzer</td></tr> <tr><td><input type="checkbox"/> <b>OA</b></td><td>Oxygen Analyzer</td></tr> <tr><td><input type="checkbox"/> <b>OSS</b></td><td>Sampling System</td></tr> <tr><td><input type="checkbox"/> <b>RTL</b></td><td>Right to Left Belt Travel</td></tr> <tr><td><input type="checkbox"/> <b>SENSLAS</b></td><td>Product Alert, CMOS Laser</td></tr> <tr><td><input type="checkbox"/> <b>SSP</b></td><td>Sample Port(s)</td></tr> <tr><td><input type="checkbox"/> <b>TT</b></td><td>Transition Tunnel, No Eductor</td></tr> <tr><td><input type="checkbox"/> <b>TTSE</b></td><td>Transition Tunnel, Single Eductor</td></tr> <tr><td><input type="checkbox"/> <b>UCD</b></td><td>Ultrasonic Cleaner/Dryer</td></tr> </table>	<input type="checkbox"/> <b>LFI</b>	Line Interference Filter	<input type="checkbox"/> <b>LTR</b>	Left to Right Belt Travel (standard)	<input type="checkbox"/> <b>MA</b>	Moisture Analyzer	<input type="checkbox"/> <b>OA</b>	Oxygen Analyzer	<input type="checkbox"/> <b>OSS</b>	Sampling System	<input type="checkbox"/> <b>RTL</b>	Right to Left Belt Travel	<input type="checkbox"/> <b>SENSLAS</b>	Product Alert, CMOS Laser	<input type="checkbox"/> <b>SSP</b>	Sample Port(s)	<input type="checkbox"/> <b>TT</b>	Transition Tunnel, No Eductor	<input type="checkbox"/> <b>TTSE</b>	Transition Tunnel, Single Eductor	<input type="checkbox"/> <b>UCD</b>	Ultrasonic Cleaner/Dryer
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**FLOWMETER SETTINGS**

	Installed		deg C	Settings	Low Oxygen
<b>Entrance Baffle</b>	0-100 Lpm	N2		7	7
<b>Zone 1</b>	0-100 Lpm	N2		5	50
<b>Zones 2 &amp; 3</b>	0-100 Lpm	N2		14	50
<b>Transition Tunnel</b>	0-100 Lpm	N2		7	7
<b>Lamp Seals (Plenums)</b>	0-100 Lpm	N2		38	38
<b>Cooling</b>	0-100 Lpm	N2		7	38

TOTAL INFLOW					
SUBTRACT EXCESS FLOW* =				0	118
DIVIDE BY EDUCTOR MULTIPLIER =				15	15
<b>ENTR Stack</b>	0-10 Lpm	=	2.8	1.3	
<b>TT Stack</b>	0-10 Lpm	=	1.9	1.0	

\* POSITIVE FURNACE: Vent excess gas flow through entrance and exit to produce a low moisture / O2 atmosphere.  
 NEGATIVE FURNACE: To assure volatiles do not escape into the room, enter ADD excess flow (pulls room air into furnace).