

EQUIPMENTSPECIFICATIONS

DOC NBR: STD - 802-101401 | R3

MODEL: LA-306N STD & HIGH POWER

SERIAL NBR: ALL SIXE A SHT 1 OF 1

| Search Component Continuous Bell Controlled Atmosphere 3 30 752 mm 6.0 in 152 mm 152 m | Equipment Me | ndal | | | | | | | | | |
|--|---------------------------------------|---|---------------------|-------------------|------------------|-------------|-----------------------|---|----------------------------|-------------------|--|
| LA-308N | Equipment Model Model Base Equipment | | | | Control Zones | | Furnace Heated Length | | Nominal Furnace Belt Width | | |
| Ref | LA-306N | Continuous Belt Controlled Atmosphere | | | | | | | | | |
| Process Pro | Equipment Ar | | | | ļ. | | Į. | | | | |
| PRase 1 | | | | | | May | l a | nath | Process Gas | Temperature (typ) | |
| Process Sections | | | | | | | · | | | | |
| | , | | | | | | | | | | |
| Process Sections | 111400 2 | | | 10 | | 05/(0/112 | 000 10 0 | | | | |
| | Drococo Socti | +, | ortion turner) | | | | <u> </u> | | | | |
| | | T | | | | I | | | | | |
| Entrance Educator | | | | | | | | • | | | |
| R Furnace Zone 1 | Product Load | | | | | | | | | | |
| RF united | | | | | | | _ | | | | |
| | IR Furnace | irnace | | | | | | | | | |
| Trans Turnel Heat/cool barrier 15 in 381 mm N2 80-450 C | | | | | | | | | | | |
| Cooling Section Cooling Section Cooling Section So in 762 mm N2 S5-360 C | | | | | | | | | | | |
| Product Unload Unload Station | Cooling Section | | | | | | | | | | |
| Frame Adjustment Total Frame Adjustment Total Frame Adjustment Total GAS1 & GAS2 Dual Gas: GAS2 = CDA, N2 or FG to furnace heating zones, GAS1=N2 or CDA to all except zones) Adual Conditions Typical Operation Typical (Igno Q2 operation) Max (all flowmeters open) Formace Replenishment Rate 2.0 reprimin 2.6 reprimin 6.1 reprimin 6.2 reprimin 6.1 r | | | | | | | | | | | |
| Process Gas If Single Gas combine GAS1 & GAS2. Dual Gas: GAS 2 = CDA, N2 or F6 to furnace heating compose, AS1=N2 or CDA to all except zones) Process Gas If Single Gas combine GAS1 & GAS2. Dual Gas: GAS 2 = CDA, N2 or F6 to furnace heating compose, AS1=N2 or CDA to all except zones) Furnace Replenishment Rate | 1 Toddot Officad | - | | | Exit dillodd di | <u>cu</u> | | | | difficint | |
| Process Gas (If Single Gas combine GAS1 & GAS2. Dual Gas: GAS3 = CDA, N2 or FG to furnace heating zones, GAS1+N2 or CDA to all except zones) | | 1 | mont | | | | | | | | |
| Actual Conditions | Process Gas | | | | 0 0400-4 | 2DA NO FO | | | 04-N0 0DA 4 11 | | |
| Furnace Replenishment Rate | Process Gas | | | | | | | | | | |
| Temperature Press | Furnace Replenis | | 7 totaar Corrations | , | | • | | | , | · ' | |
| Cash Supply 21 70 177 84 229 108 1,085 51: | T difface Propierio | | Press | | | | Typica | I Typical | | | |
| TOTAL PROCESS GAS | | | | | | | | | | sL/m | |
| Temporal | , | | | | 177 | 84 | 229 | 108 | 1,085 | 512 | |
| Temp | TOTAL PROCESS GAS | | | | 177 | 84 | 229 | 108 | 1,085 | 512 | |
| C In H_O Seft | Exhaust Gas | | | | | | | | | | |
| Cabinet Ventilation | | | | | | | | | | Maximum Exhaust | |
| Cabinet Ventilation Cabinet Ventilation Fans Flowrate 550 cfm 930 m3/h 150 cfm 930 m3/h 550 cfm 930 m3/h 212 cfm 360 m3/h 210 cfm 360 m3/h 212 cfm 360 m3/h 212 cfm 360 m3/h 210 cfm 360 m3/h | | | | | | | | | | sL/m | |
| Cabinet Ventilation Fans Flowrate 550 cfm 930 m3/h 550 cfm 930 m3/h 680°C 6122°F 650°C | · | | | | 177 | 84 | 206 | 97 | 348 | 164 | |
| Vent to room or exhaust system Temperature 486°F <30°C <122°F <50°C | | | | | | | | | I | | |
| Flowrate 212 cfm 360 m3/h 212 cfm 240 cfm 212 cfm 240 cfm 212 cfm 240 cfm 2 | | | | | | | | | | | |
| Temperature Ref Re | - | | | | | | | | | | |
| Standard Standard | | | | | | | | | | | |
| Belt width Belt wave Belt width Belt wave Belt width Belt wave Belt | , remperature | | | | | | | | | | |
| Balanced spiral weave Balanced spiral weave Balanced spiral weave Set Set | | stem | | 6 O in | 152.4 mm | | Dalt C | das Hastaria). | 200 | | |
| Product height 2 in (50.8 mm) above belt level. Baffle plate clearance: 0.5" above belt | | | | | *** | | | Beit Euge Heater(s). Hone | | | |
| Belt speed range | 1 7. | | | | • | | | Baffle plate clearance: 0.5" above belt | | | |
| Standard | | | | | 1, 45010 5011 10 | ¥01. | · | | | 7 5010 | |
| Standard Standard High Power | | +/- 1.5 in | adiustable | | | | | | | | |
| Voltage (as configured) 208 Vac 220 Vac 230 Vac 240 Vac 208 Vac 220 Vac 230 Vac 240 Vac Frequency, Hz 50/60 11 | , , | | | | | | | | | | |
| Frequency, Hz | | | 209 \/20 | | | 240 \/20 | 208 \/20 | 1 | , — | 240 \/20 | |
| Phase 1 <td></td> <td>jurcu)</td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td></td> | | jurcu) | | | | | 1 | | | | |
| Power, maximum, kW 14.2 14.2 14.5 14.8 17.2 17.2 17.2 17.2 17.2 Current, maximum, A 67 Hz 64.4 62.9 61.6 82.7 78.1 75.4 72.3 Power,kW, operating @ 950 C 7.8 8 8 8.1 8.3 9.6 9.6 9.6 9.6 9.6 Current, A, operating @ 950 C 37.5 36.3 35.4 34.6 46.3 43.8 41.9 40.1 Power, kW, operating @ 425 C 5.8 5.9 6.0 6.2 7.1 7.1 7.1 7.1 7.1 Current, A, operating @ 425 C 27.8 26.9 26.2 25.6 34.2 32.3 30.9 29.6 Materials of Construction Heating Chamber 304 Stainless steel Belt support Quartz rod, Quartz tube Frame Steel, epoxy or powder coated Heating element Quartz, near infrared Belt Return UHMW-PE Cover Panels 18GA steel, epoxy coated Furnace Dimensions Length Width Height (floor to stack) Furnace Sect Coolg Secth Total Net Wt U.S. 121 in 25 in 80 in +/- 1.5 in 1100 LB none 1100 LB Metric 3.1 m 64 cm 203 cm +/- 3.8 cm 500 kg none 500 kg | Phase | | | | | | 1 | | | | |
| Current, maximum, A 67 Hz 64.4 62.9 61.6 82.7 78.1 75.4 72.3 Power,kW, operating @ 950 C 7.8 8 8.1 8.3 9.6 9.6 9.6 9.6 Current, A, operating @ 950 C 37.5 36.3 35.4 34.6 46.3 43.8 41.9 40.1 Power, kW, operating @ 425 C 5.8 5.9 6.0 6.2 7.1 7.1 7.1 7.1 Current, A, operating @ 425 C 27.8 26.9 26.2 25.6 34.2 32.3 30.9 29.6 Materials of Construction Heating Chamber 304 Stainless steel Cooling Aluminum, aircraft Belt Nichrome V, 80%Ni,20%Cr, <1% Fe | | | | | | | | | | | |
| Power,kW, operating @ 950 C | Current, maximum, A 67 | | | | | | | | | | |
| Power, kW, operating @ 425 C 5.8 5.9 6.0 6.2 7.1 7.1 7.1 7.1 7.1 | Power,kW, operat | ing @ 950 C | 7.8 | | 8.1 | 8.3 | | 9.6 | 9.6 | 9.6 | |
| Current, A, operating @ 425 C 27.8 26.9 26.2 25.6 34.2 32.3 30.9 29.6 Materials of Construction Heating Chamber 304 Stainless steel Cooling Aluminum, aircraft Belt Nichrome V, 80%Ni,20%Cr, <1% Fe Baffle & Eductor 304 Stainless steel Belt support Quartz rod, Quartz tube Frame Steel, epoxy or powder coated Heating element Quartz, near infrared Belt Return UHMW-PE Cover Panels 18GA steel, epoxy coated Furnace Dimensions Length Width Height (floor to stack) Furnace Sect Coolg Sectn Total Net Wt U.S. 121 in 25 in 80 in +/- 1.5 in 1100 LB none 1100 LB Metric 3.1 m 64 cm 203 cm +/- 3.8 cm 500 kg none 500 kg | Current, A, operat | ing @ 950 C | 37.5 | 36.3 | 35.4 | 34.6 | 46.3 | 43.8 | 41.9 | 40.1 | |
| Materials of Construction Heating Chamber 304 Stainless steel Cooling Aluminum, aircraft Belt Nichrome V, 80%Ni,20%Cr, <1% Fe | Power, kW, opera | ting @ 425 C | 5.8 | 5.9 | 6.0 | 6.2 | 7.1 | 7.1 | 7.1 | 7.1 | |
| Heating Chamber 304 Stainless steel Cooling Aluminum, aircraft Belt Nichrome V, 80%Ni,20%Cr, <1% Fe Baffle & Eductor 304 Stainless steel Belt support Quartz rod, Quartz tube Frame Steel, epoxy or powder coated Heating element Quartz, near infrared Belt Return UHMW-PE Cover Panels 18GA steel, epoxy coated Furnace Dimensions Length Width Height (floor to stack) Furnace Sect Coolg Sectin Total Net Wt U.S. 121 in 25 in 80 in +/- 1.5 in 1100 LB none 1100 LB Metric 3.1 m 64 cm 203 cm +/- 3.8 cm 500 kg none 500 kg | Current, A, operat | ing @ 425 C | 27.8 | 26.9 | 26.2 | 25.6 | 34.2 | 32.3 | 30.9 | 29.6 | |
| Baffle & Eductor 304 Stainless steel Belt support Quartz rod, Quartz tube Frame Steel, epoxy or powder coated Heating element Quartz, near infrared Belt Return UHMW-PE Cover Panels 18GA steel, epoxy coated Furnace Dimensions Length Width Height (floor to stack) Furnace Sect Coolg Sectin Total Net Wt U.S. 121 in 25 in 80 in +/- 1.5 in 1100 LB none 1100 LB Metric 3.1 m 64 cm 203 cm +/- 3.8 cm 500 kg none 500 kg | Materials of Construction | | | | | | | | | | |
| Heating element Quartz, near infrared Belt Return UHMW-PE Cover Panels 18GA steel, epoxy coated Furnace Dimensions Length Width Height (floor to stack) Furnace Sect Coolg Sectn Total Net Wt U.S. 121 in 25 in 80 in +/- 1.5 in 1100 LB none 1100 LB Metric 3.1 m 64 cm 203 cm +/- 3.8 cm 500 kg none 500 kg | | | | Cooling | Aluminum, air | craft | | Belt Nichrome V, 80%Ni,20%Cr | | ,20%Cr, <1% Fe | |
| Furnace Dimensions Length Width Height (floor to stack) Furnace Sect Coolg Sectn Total Net Wt U.S. 121 in 25 in 80 in +/- 1.5 in 1100 LB none 1100 LB Metric 3.1 m 64 cm 203 cm +/- 3.8 cm 500 kg none 500 kg | Baffle & Eductor 304 Stainless steel | | | Belt support | Quartz rod, Q | uartz tube | | Frame Steel, epoxy or powder coated | | wder coated | |
| Furnace Dimensions Length Width Height (floor to stack) Furnace Sect Coolg Sectn Total Net Wt U.S. 121 in 25 in 80 in +/- 1.5 in 1100 LB none 1100 LB Metric 3.1 m 64 cm 203 cm +/- 3.8 cm 500 kg none 500 kg | Heating element | Heating element Quartz, near infrared Belt Return | | | UHMW-PE | | | Cover Panels | 18GA steel, epoxy | coated | |
| Length Width Height (floor to stack) Furnace Sect Coolg Sectn Total Net Wt U.S. 121 in 25 in 80 in +/- 1.5 in 1100 LB none 1100 LB Metric 3.1 m 64 cm 203 cm +/- 3.8 cm 500 kg none 500 kg | Furnace Dimensions | | | | | | | | | | |
| U.S. 121 in 25 in 80 in +/- 1.5 in 1100 LB none 1100 LB Metric 3.1 m 64 cm 203 cm +/- 3.8 cm 500 kg none 500 kg | | | Height (floor to st | ack) Furnace Sect | | Coolg Sectn | Total Net Wt | | | | |
| | | | | 25 in | | | +/- 1.5 in | 1100 LB | none | 1100 LB | |
| Standard Conditions Pressure 14.7 psia 101.3 kPa Temperature 70 °F 21 °C | | | | 64 cm | 203 cm | | +/- 3.8 cm | 500 kg | none | 500 kg | |
| | Standard Conditions Pressu | | | Pressure | 14.7 psia | 101.3 kPa | | Temperature | 70 °F | 21 °C | |