LORING™ S15 Falcon™
Convection Drum Roaster with Paddle Stirring

• Benefits Include:
  » Very low oxygen roast atmosphere protects natural flavors
  » Smokeless, odorless exhaust during roasting*
  » High-speed cooling tray and air cool system
  » Profile Roasting: Unlimited number of profiles can be captured during roasting or manually created; precise tracking of profile curve
• Capacity: 15 kg green coffee beans per batch
• Controls: Touch screen and PLC provide precise operation of burner and fan speeds
• Communications: Download roast data and upload software updates via internet; remote control roasting via laptop, tablet or smart phone
• Fuel: Natural or propane gas
• Roast Time Range: 10 to 16 minutes (typical)
• Safety Features: Self-cleaning roast chamber and exhaust stack; water quench into cyclone and chaff barrel
• Rugged stainless steel construction, superior motors, drives and controls throughout for low maintenance and long life
• Automatic green drop and auto-discharge door standard with manual override switch
• Automatic green bean vacuum loader with green dust collection system
• Footprint: 37.9 ft² (3.5 m²)
  (91” deep x 60” wide/230 cm x 152 cm)

* Depending on roaster model, batch size, and the darkness of your roast, it is possible that some visible smoke will be emitted from the cooling tray.
Technical Specifications
Maximum Batch Size ........................................ 33 lb (15 kg)
Minimum Batch Size ........................................ 6.6 lb (3 kg)
Nominal Electrical Power .................................... 2.8 kW
Peak Electrical Power ....................................... 5.8 kW
Maximum BTU Rating .................................... 130,000 BTU/h (33,000 kcal/h)
Stack Rated Temperature .................................. 1,400 °F (760°C)
Stack Max Rated Temp (intermittent) ..................... 1,500 °F (816°C)
Stack Max Flow ........................................... 22 dscfm (37 ds3/m3/h)
Stack Max Flow (Peak Air Cool) ......................... 310 dscfm (527 ds3/m3/h)
Stack Duct Diameter (Minimum)* ....................... 6 in (152 mm)

Stack Duct Wall Type: Positive Pressure System with 316 Stainless Steel Liner Recommended
Cooler Vent Max Flow ................................... 980 scfm (1,665 sm3/min)
Cooler Duct Diameter ...................................... 6 in (152 mm)
Water Supply ................................................ 1 GPM (4 LPM)
Water Pressure ............................................... 50 psi (345 kPa)
Compressed Air Flow ...................................... 4 CFM (0.1 m3/min)
Compressed Air Pressure .................................. 60 psi (414 kPa)
Natural Gas Pressure ...................................... 4-7 in WC (1.0-1.7 kPa)
Propane Gas Pressure ..................................... 11-13 in WC (2.7-3.2 kPa)
Weight ....................................................... 1,500 lb (680 kg)
*Larger stack diameters may be required based upon stack geometry

Gas Type
□ NG – Natural Gas
□ LPG – Propane Gas

Power Frequency
□ 50 Hz
□ 60 Hz

Power Voltage
□ 200/100(3PD)
□ 208/120(1PY)
□ 208/120(3PY)
□ 208/XXX(3PY)
□ 220/110(3PD)
□ 230/XXX(3PY)
□ 240/120(1PD)
□ 240/120(3PD)
□ 380/220(3PY)
□ 400/230(3PY)
□ 415/240(3PY)
□ 480/277(3PY)

Contact Us Today to Experience a Test Roast on a Loring Roaster
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