

# LORING™ S15 Falcon™

Automated 15 kg Roaster

## INCLUDES

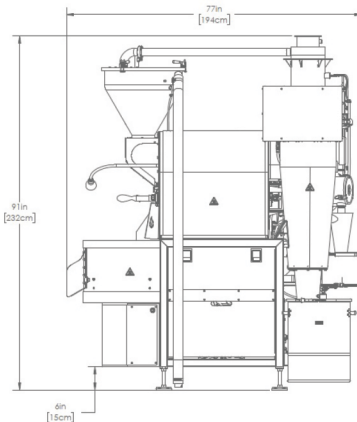
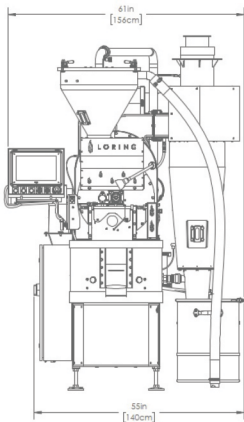
- Touchscreen interface
- Green bean vacuum lift
- Automation software with auto-charge and discharge of beans
- High speed cooling tray with paddle stirring
- 3-15 kg batch capacity

## OPTIONAL

- Destoner
- Green bean cart with scale

## ROASTER SPECIFICATIONS

Maximum Batch Size	33 lb (15 kg)
Minimum Batch Size	6.6 lb (3 kg)
Nominal Electrical Power <sup>1</sup>	3.26 kW
Peak Electrical Power <sup>2</sup>	4.33 kW
Maximum Operational BTU Rating	133,000 BTU/h (34,000 kcal/h)
Maximum Instantaneous BTU Rating	152,000 BTU/h (38,300 kcal/h)
Stack Temp Continuous <sup>3</sup>	1,400°F (760°C)
Stack Temp Intermittent <sup>4</sup>	1,600°F (870°C)
Stack Flow Continuous <sup>5</sup>	22 dscfm (37 dsm <sup>3</sup> /h)
Stack Max Flow (Peak Air Cool) <sup>6</sup>	250 dscfm (425 dsm <sup>3</sup> /h)
Stack Duct Diameter (Minimum)*	6 in (152 mm)
Cooler Vent Max Flow	725 scfm (1,230 sm <sup>3</sup> /h)
Cooler Duct Diameter*	6 in (152 mm)
Water Supply	1 GPM (4 liter/min)
Water Pressure	50 psi (345 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 <sup>7</sup>	1,335 lb (606 kg)



\* Larger stack diameters may be required based upon stack geometry. <sup>1</sup> Loring defines Nominal Electrical Power as the power the roaster consumes during typical use. <sup>2</sup> Loring defines Peak Electrical Power as the power the roaster will consume if all roaster operations are run simultaneously. <sup>3</sup> Loring defines the continuous temperature rating as the temperature which the machine can reach and maintain when roasting at the high end of its capability. <sup>4</sup> Loring defines the intermittent temperature rating as the maximum temperature that the machine cannot exceed during a roast. <sup>5</sup> Dry, or water content of the flue removed, under standard pressure and temperature conditions. <sup>6</sup> Add Stack Max Flow (Peak Air Cool) and Cooler Vent Max Flow to obtain the total airflow out of the building. <sup>7</sup> Uncrated weight. Exact system weight may depend on options selected.

# SUPERIOR IS OUR STANDARD.

Engineered for a roasting experience like no other, every Loring machine gives you unmatched quality, unheard-of efficiency, and unparalleled control.



## UNMATCHED QUALITY.

- Designed and made in U.S.A.
- Constructed by skilled craftsmen.
- Stainless steel construction.
- ISO 9001:2015 certified.

## UNPARALLELED CONTROL.

- Touch screen and PID provide operation of burner and fan speeds.
- Profiles can be saved and repeated consistently.
- Fully automated roasting process.

## UNHEARD-OF EFFICIENCY.

- Single burner roasts beans and incinerates smoke.
- High-speed cooling tray reduces cooling time while protecting beans.
- Up to 80% fuel-savings and reduction of greenhouse gases in every roast, compared to conventional roasters.

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L O R I N G™

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