

QUICK SPECIFICATIONS

- Overview:**
- Operator has total, full-variation control of convection and conduction heat transfer via a patented "Open Chamber Roasting" fluid-bed 3kg air-roasting chamber.
 - All electric. No fuel or afterburner needed.
 - Extremely low emissions. Environmentally smart.
 - Clean, consistent roast every time.

CAPACITY/OUTPUT

- Batch Size:** Max 3kg roasting capacity (6.5 lbs of green beans)
- Roast Time:** 8-12 minutes (light to dark roast)
- Output:** Max 25 lbs/hour; 200 lbs/day (based on 8-hour day)

DATA LOGGING

- Internal:** 5 real-time graphs: bean temp, heater temp, RoR bean temp, RoR heater temp, and saved profile curve line
- External:** Bluetooth, USB connectivity, Artisan/Cropster compatible

CONTROL POINTS

- Integrated touchscreen control panel
- Presetting profile parameters
- Fast-reacting thermocouples
- Quick-response heat transfer
- Speed controller to adjust bean lifting height during roasting

ELECTRICAL REQUIREMENTS

- Single-Phase:** 240V/60 Hz, 63 Amps, 15 kW
- Three-Phase:** 240V/60 Hz, 34 Amps, 14 kW

COMPONENTS

- Air Flow:** High-efficiency 2 kW heater blower
- Cooling:** Optional 30-40 second water dousing system for high-speed bean cooling
- Extraction:** Centrifugal type extraction fan (2.2 kW 1ph, 1.3 kW 3ph) immediately moves dust, smoke, and chaff from roast chamber
- Heating:** 10.5 kW Nichrome plated electrical spiral elements
- Roast Chamber:** Stainless steel construction, durable, easy cleaning



3KG AIR-MOTION ROASTER

\$27,500

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DIMENSIONS AND WEIGHT: 3KG ROASTER COMPONENTS

COMPONENT	RAW UNCRATED WEIGHT	DIMENSIONS
Cyclone	179 LBS	43" x 26.6" x 77.2" (3.6' x 2.2' x 6.4')
Cooling Tray	77 LBS	27.6" x 27.6" x 16.5" (2.3' x 2.3' x 1.4')
Roast Chamber	157 LBS	27.2" x 21.7" x 41.3" (2.3' x 1.8' x 3.4')
TOTAL	413 LBS	

DIMENSIONS AND WEIGHT: 3KG ROASTER CRATING

CRATE	CRATED WEIGHT	CRATE DIMENSIONS
Crate #1	328 LBS	43" X 26.6" X 77.2" (3.6' X 2.2' X 6.4')
Crate #2	232 LBS	31.5" X 27.2" X 46.3" (2.6' X 2.3' X 3.9')
TOTAL	560 LBS	

3KG CYCLONE VENTING DIAMETER

Exit Pipe Diameter: 197mm

Outside Diameter of aluminum flex pipe: 200mm (3mm wall thickness)

Purchase ducting from **Nordfab** or **Selkirk**.

MAINTENANCE

The only maintenance required is the emptying of the Chaff Collector Bucket every couple of days depending on the frequency of roasting and the wiping down of the Roast Chamber with a wet cloth after completion of roasting schedule for the day.

REPLACEMENT PARTS (IF NEEDED)

The only parts that may need to be replaced due to natural wear and tear:

- Blower fan
- Element bank

Contact Air-Motion Roasters USA to purchase replacement parts.

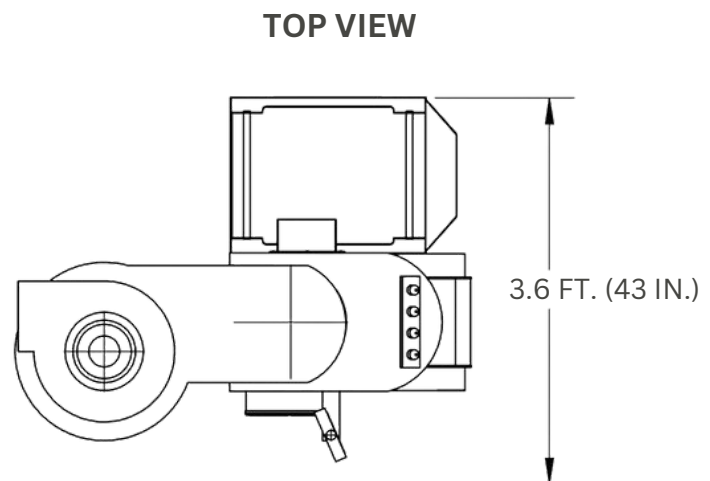
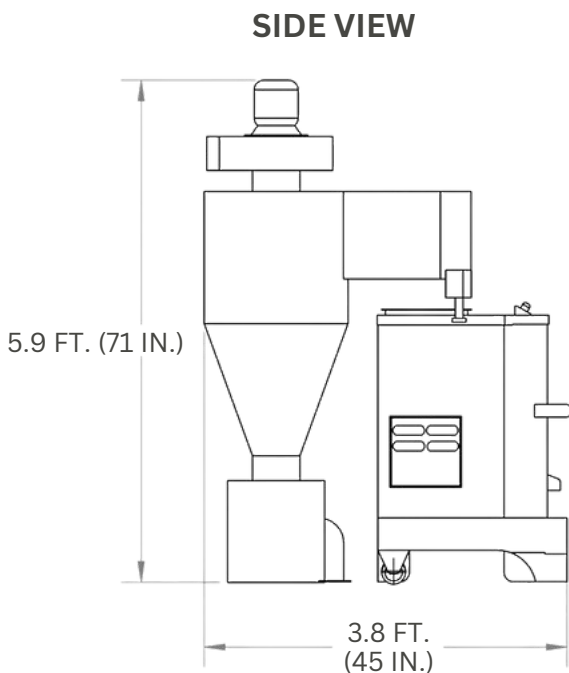
DECIBEL READING

85 dB

CERTIFICATIONS

CE, UL, IEC (International Electrotechnical Commission)

3KG ROASTER LAYOUT



NOTE: 3kg roaster is on casters to allow for easy positioning and cleaning.

SERVICING

No servicing is required other than the Maintenance Schedule as listed.

WARRANTY

AMR provides a 1-year warranty on all moving parts.

EMISSION TESTING

Emission testing report included in User Manual.

REQUIRED CLEARANCES

Position roaster at least 24" from walls or other equipment, and allow for at least 48" in front of roaster for user operation.



Cyclone Motor
And Fan

Control Panel
With Operation
Control Dials

**Touchscreen
Interface**
Real-Time
Information
& Graphs

Element Bank
Immediate Heat
Response Electrical
Element Bank

Blower Fans
Provides Clean Fresh
Heated Air Into The
Roast Chamber

Cyclone System
Removes Dust, Smoke &
Chaff from Roast Chamber

Water Dousing System
Immediately Stops Roast Once
Target Temp is Reached

Work Light

Roast Chamber
OCR with Clear View

Cooling Tray Ducting
Assists with Rapid Cooling
of Beans in Cooling Tray

**Roast Chamber
Exit Chute**

Cooling Tray
Assists with the Rapid
Cooling of Beans