AIR-MOTION 6 QUICK SPECIFICATIONS



Overview:

- Operator has total, full-variation control of convection and conduction heat transfer via a patented "Open Chamber Roasting" fluid-bed 6 kg 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 6 kg roasting capacity (13 lbs of green beans)

Roast Time: 8-12 minutes (dependent on roast level)

Output: Max 50 lbs/hour; 400 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

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: 208v // 90 Amps -OR- 240v // 85 Amps

Three-Phase: 208v // 63 Amps -OR- 480v // 28 Amps

COMPONENTS

Air Flow: High-efficienty 3 kW heater blower

Cooling: Optional 30-40 second water dousing system for high-speed bean cooling

Extraction: Centrifugal 2.6 kW extraction fan immediately moves dust, smoke, and chaff from roast chamber

Heating: 18 kW Nichrome plated electrical spiral elements

Roast Chamber: Stainless steel construction, durable, easy cleaning

AIR-MOTION 6

Take advantage of our private, competitive lending program, AMR Approved!

Visit www.air-motionroastersusa.com/financing/

Info:
949.289.8083
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AIR-MOTION ROASTERS™ USA

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DIMENSIONS AND WEIGHT: **AIR-MOTION 6** ROASTER COMPONENTS

To allow for best space planning, measurements account for the widest, tallest, and deepest parts of components (e.g., touchscreen arm, casters, etc.).

COMPONENT	RAW UNCRATED WEIGHT	DIMENSIONS (L x W x H)
Roast Chamber	231.5 LBS (105 KG)	29.07" L x 21.6" W x 21.6" H (2.4' L x 1.8' W x 1.8' H)
Cyclone	275.6 LBS (125 KG)	55″ L x 31.5″ W x 85.4″ H (4.6' L x 2.6' W x 7.1' H)
Cooling Tray	77.2 LBS (35 KG)	27.4″ L x 24.6″ W x 14.6″ H (2.3' L x 2.05' W x 1.2' H)
TOTAL	**584.3 LBS (265 KG)**	

DIMENSIONS AND WEIGHT: **AIR-MOTION 6** ROASTER CRATING

CRATE	CRATED WEIGHT	CRATE DIMENSIONS (L x W x H)
Crate #1	See note below.	89" L x 59" W x 37" H (7.4' L x 4.9' W x 3.08' H)
Crate #2	See note below.	39" L x 32" W x 53" H (3.25' L x 2.7' W x 4.4' H)
TOTAL	**873 LBS (396 KG)**	

NOTE: Weight provided is total weight for both crates. Individual crate weights will be received prior to shipping.

DIMENSIONS: **AIR-MOTION 6** FOOTPRINT

FOOTPRINT: 73.4" L x 68" W x 85.4" H
CLEARANCE: 31.5" L x 31.5" W x 20" H
ROASTER HEIGHT: 85.4"
MINIMUM CEILING HEIGHT: 91"

AIR-MOTION 6 CYCLONE VENTING DIAMETER

Exit Pipe Diameter: 247 mm
Outside Diameter of aluminum flex pipe: 250 mm (3mm wall thickness)
Purchase ducting from **Nordfab** or **Selkirk**.

AIR-MOTION 6 WATER SPECIFICATIONS

Intake Connection: 1/4″ NPT pipe
Pressure: 60 psi

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.

SERVICING

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

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.

WARRANTY

AMR provides a 2-year warranty on all machine parts.

DECIBEL READING

85 dB

EMISSION TESTING

Emission testing report included in User Manual.

CERTIFICATIONS

CE approved and built to UL standards, IEC (International Electrotechnical Commission)

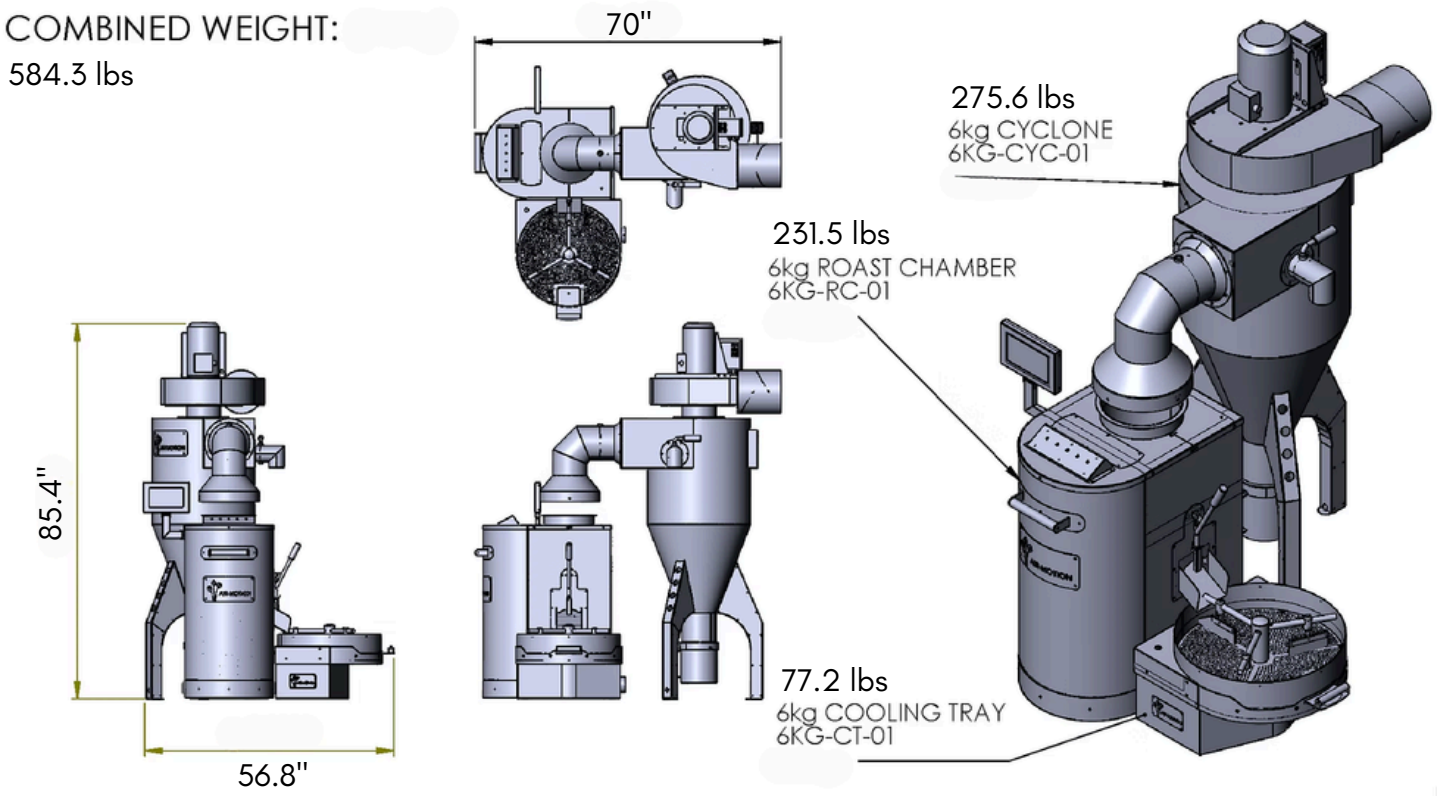
REQUIRED CLEARANCES

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

AIR-MOTION 6 ROASTER LAYOUT

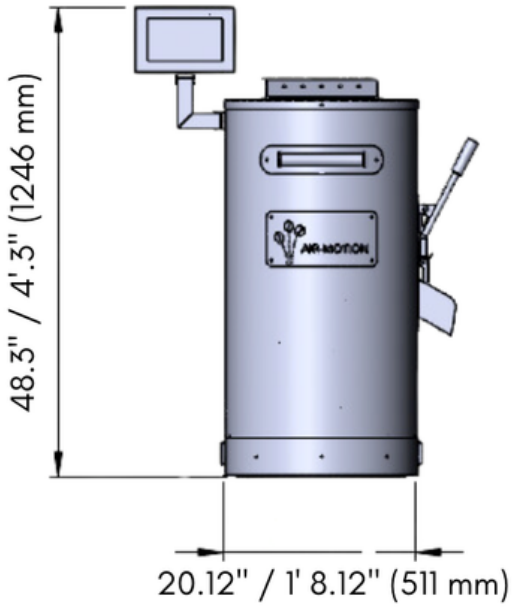
See next 4 pages for 6kg AMR roast chamber, cooler tray, and cyclone footprint, weight, layout, and dimensions.

AIR-MOTION 6: FOOTPRINT

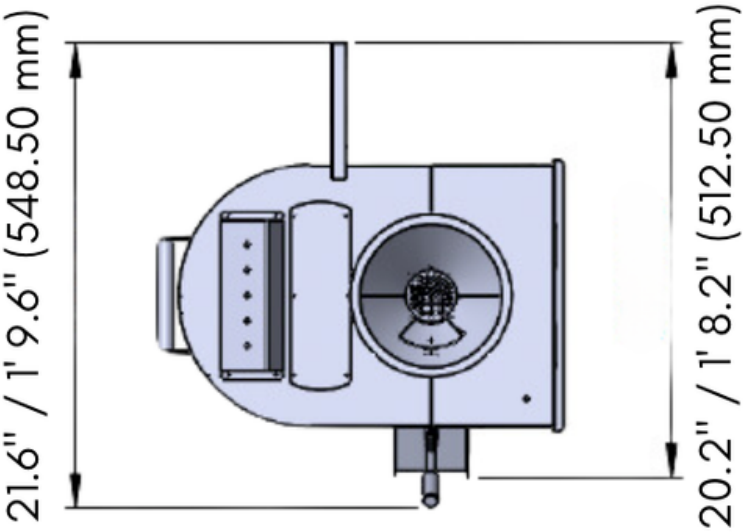


AIR-MOTION 6: ROAST CHAMBER

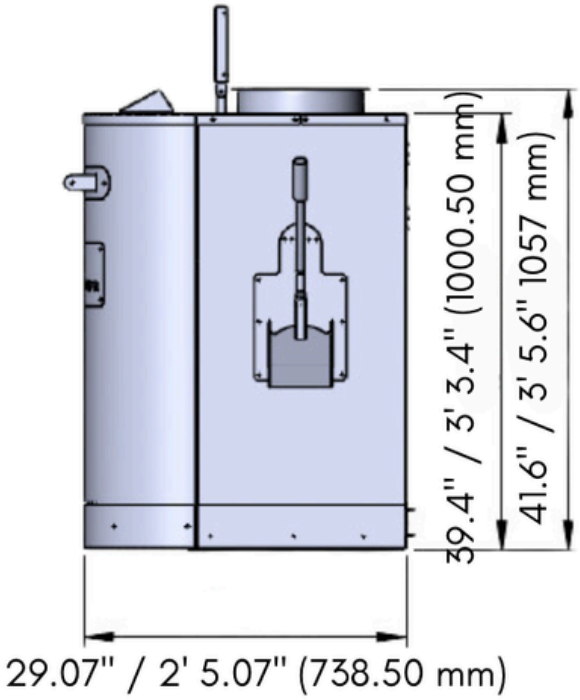
WEIGHT: 235.1 lbs (105 kg)
Below measurements are provided in inches, feet, and millimeters (mm).



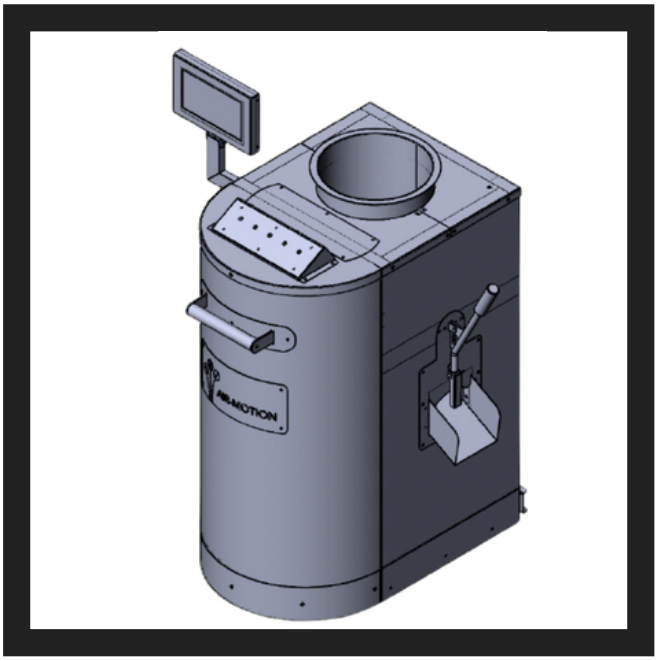
FRONT VIEW



TOP VIEW

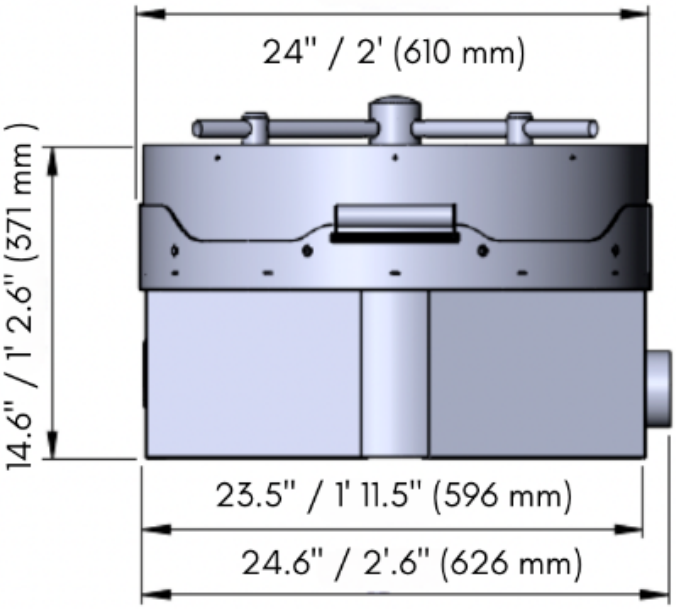


SIDE VIEW

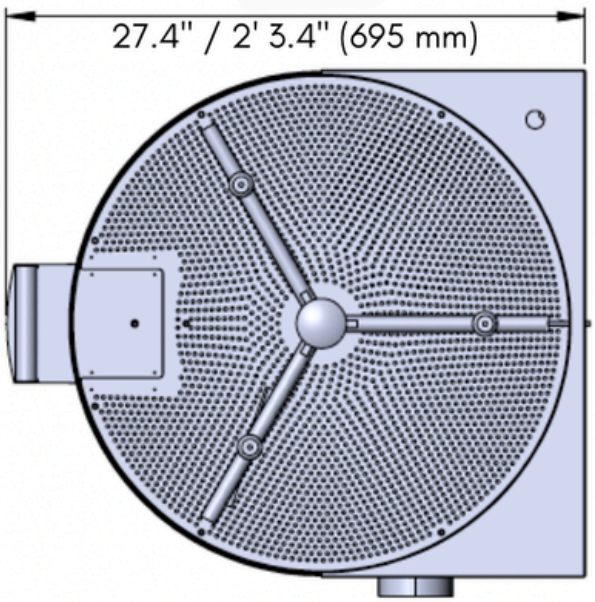


AIR-MOTION 6: COOLER TRAY

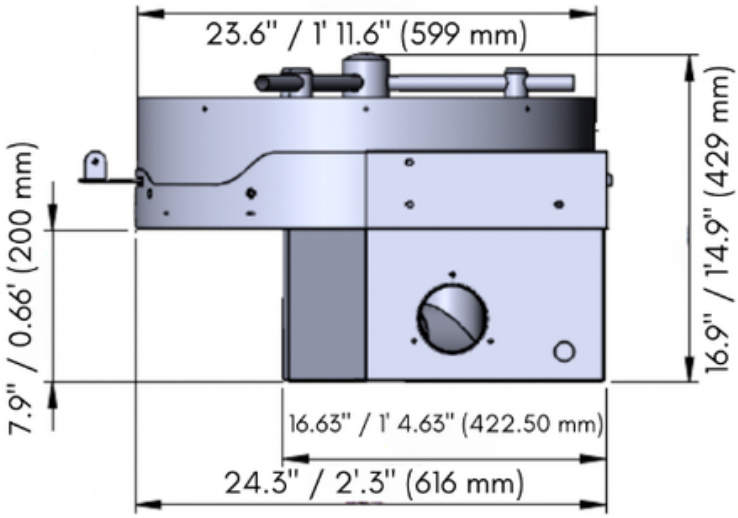
WEIGHT: 77.2 lbs (35 kg)
Below measurements are provided in inches, feet, and millimeters (mm).



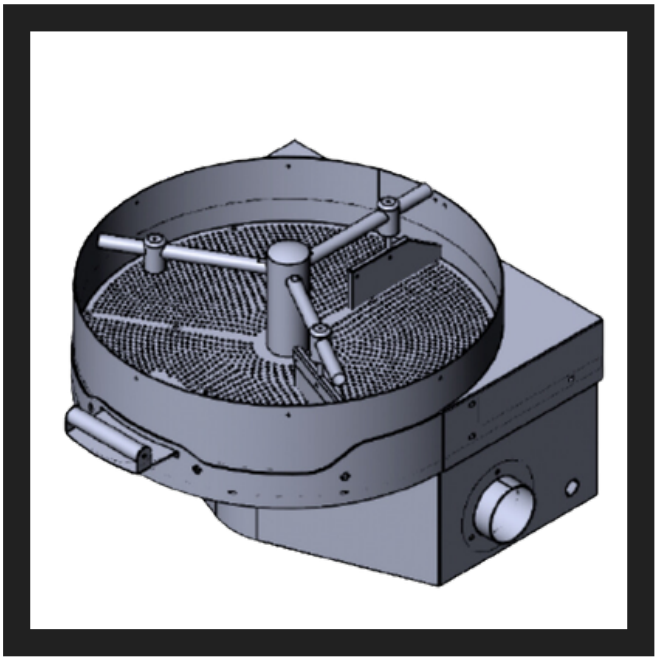
FRONT VIEW



TOP VIEW

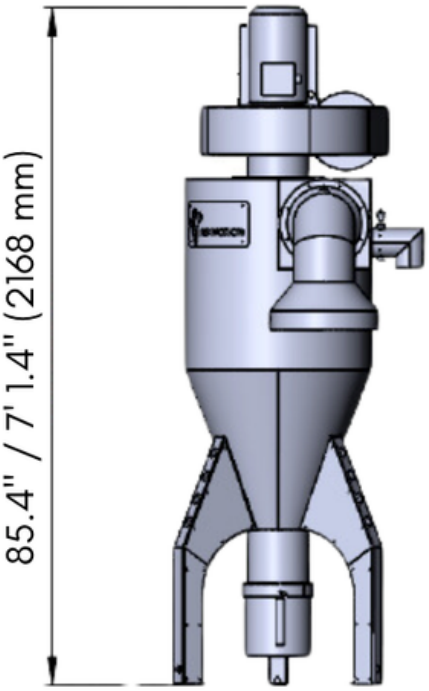


SIDE VIEW

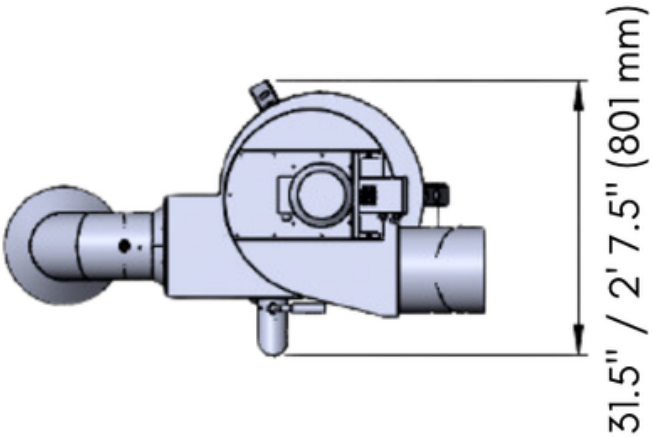


AIR-MOTION 6: CYCLONE

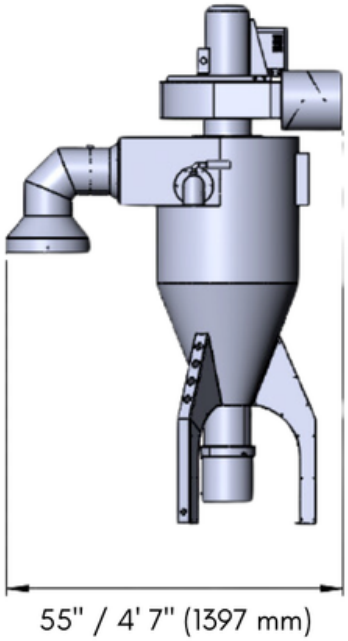
WEIGHT: 275.6 lbs (125 kg)
Below measurements are provided in inches, feet, and millimeters (mm).



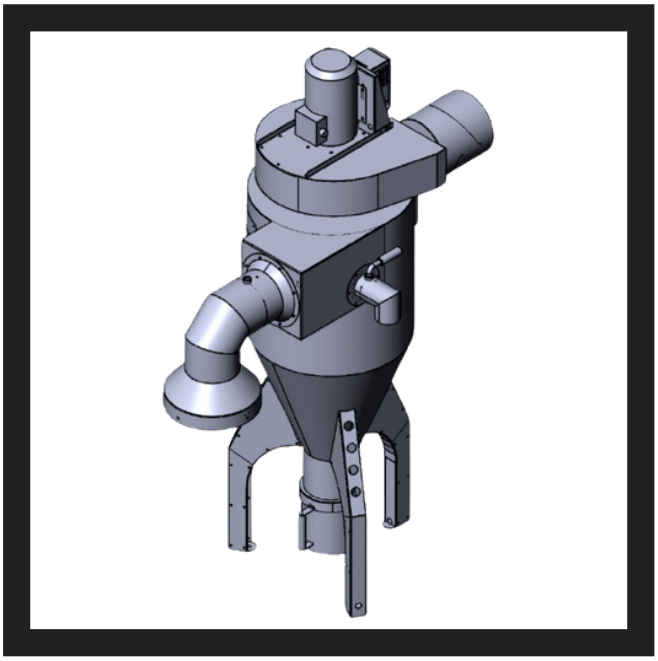
FRONT VIEW



TOP VIEW



SIDE VIEW



AIR-MOTION ROASTERS™ USA

AIR-MOTION 6

