

3KG GAS COFFEE ROASTER



Model: NC-003
Nominal Capacity: 3 Kilograms

Mill City Roasters, Minneapolis, MN, USA
Assembled by North Coffee Roaster Co., LTD, Shenzhen, China



ROASTER SPECIFICATIONS

Dimensions

Roaster Size (length x width x height)	54.25 x 35.75 x 66.15 in (1377 x 908 x 1680 mm)
Roaster Weight	760 (345 kg)
Chaff Collector Size (diameter x height)	16 x 52.05 in (406 x 1322 mm)
Chaff Collector Weight	76 lb (34 kg)
Drum Construction	Double-walled Drum, 430 Stainless Steel, Welded
Drum Size (diameter x length)	10.75 x 13.5 in (273 x 343 mm)
Cooling Tray Size (diameter)	22 in (559 mm)

Capacity/Output

Batch Size	0.6 - 3.6 kg
Average Roasting Time	< 15 minute batch
Production	26.5 lb/hr, 211.6 lb/day (12 kg/hr, 96 kg/day)

Power

Roaster	Single Phase, 220V, 15A, 50-60Hz
Step-Up Transformer	120V to 220V, 1000W
Drum Motor	200W
Exhaust Fan Motor	400W
Cooling Fan Motor	200W
Cooling Tray Stirring Motor	100W

Gas

Fuel Type	LP Gas -or- Natural Gas
Max BTU	60,000
Burner Control	Manual Valve
Gas Connection	1/2" NPT
Gas Pressure Required	LP Gas: 16" of water column Natural Gas: 16" of water column
Gas Orifice Size	LP Gas: 0.7 mm (installed at factory) Natural: 0.9 mm (see conversion/installation instructions)
Max Gas Usage	1.3 lb/hr (0.6 kg/hr)

Exhaust

Typical Roaster Exhaust High Temp	400°F - 450°F
Typical Chaff Collector Exhaust High Temp	300°F
Typical Cooling Tray Exhaust High Temp	180°F
Max Exhaust	300 CFM
Exhaust Venting Type Required	Class III, Positive Pressure

Data Logging

USB Logging Interface	Phidget 1048
Logging Thermocouples	BT, ET, Incoming Air