

1KG GAS COFFEE ROASTER



Model: NC-001
Nominal Capacity: 1 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)	42 x 27.5 x 34.5 in (1067 x 699 x 876 mm)
Roaster Weight	198.4 lb (90 kg)
Chaff Collector Size (diameter x height)	12 x 29 in (305 x 737 mm)
Chaff Collector Weight	44.1 lb (20 kg)
Drum Construction	Double-walled Drum, 430 Stainless Steel, Welded
Drum Size (diameter x length)	8.75 x 7.5 in (222 x 190.5 mm)
Cooling Tray Size (diameter)	13 in (330 mm)

Capacity/Output

Batch Size	0.2 - 1.5 kg
Average Roasting Time	< 15 minute batch
Production	13.2 lb/hr, 105.8 lb/day (6 kg/hr, 48 kg/day)

Power

Roaster	Single Phase, 220V, 15A, 50-60Hz
Step-Up Transformer	120V to 220V, 1000
Drum Motor	45W
Exhaust Fan Motor	45W
Cooling Fan Motor	90W
Cooling Tray Stirring Motor	15W

Gas

Fuel Type	LP Gas -or- Natural Gas
Max BTU	25,000
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 Orifices Size	LP Gas: 0.7 mm (installed at factory) Natural: 0.9 mm (see conversion/installation instructions)
Max Gas Usage	0.9 lb/hr (0.4 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	150 CFM
Exhaust Venting Type Required	Class III, Positive Pressure

Data Logging

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