

500G GAS COFFEE ROASTER



Model: NC-500
Nominal Capacity: 500 Grams

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)	38 x 19 x 30 in (965 x 482 x 762 mm)
Roaster Weight	77 lb (35 kg)
Chaff Collector Size (diameter x height)	6.75 x 13.5 in (172 x 343 mm)
Drum Construction	0.2 in (4 mm) thick, 430 Stainless Steel, Welded
Drum Size (diameter x length)	6.5 x 6.4 in (165 x 163 mm)
Cooling Tray Size (diameter)	10 in (254 mm)

Capacity/Output

Batch Size	0.1 - 0.6 kg
Average Roasting Time	< 15 minute batch
Production	4.4 lb/hr, 35.3 lb/day (2 kg/h, 16 kg/day)

Power

Roaster	Single Phase, 220V, 15A, 50-60Hz
Step-Up Transformer	120V to 220V, 750W
Drum Motor	15W
Exhaust Fan Motor	50W
Cooling Fan Motor	38W

Gas

Fuel Type	LP Gas -or- Natural Gas
Max BTU	10,000
Burner Control	Manual Valve
Gas Connection	3/8" 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	0.4 lb/hr (0.2 kg/h)

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	90 CFM
Venting Type Required	Class III, Positive Pressure

Data Logging

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