

20KG GAS COFFEE ROASTER



Model: NC-020

Nominal Capacity: 20 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)	87.5 x 45.75 x 81.75 in (2222 x 1162 x 2076 mm)
Roaster Weight	1102.3 lb (500 kg)
Chaff Collector Size (diameter x height)	27.5 x 55.5 in (698 x 1409 mm)
Chaff Collector Weight	154.3 lb (70kg)
Cooling Fan Size (length x width x height)	21 x 21.5 x 22.25 in (533 x 546 x 565 mm)
Cooling Fan Weight	95 lb (43 kg)
Drum Construction	Double-walled Drum, 430 Stainless Steel, Welded
Drum Size (diameter x length)	26 x 20 in (660.4 x 508 mm)
Cooling Tray Size (diameter)	36 in (812.8 mm)

Capacity/Output

Batch Size	3.2 - 24 kg
Average Roasting Time	< 15 minute batch
Production	133lb/hr, 1058lb/day (60kg/h, 480kg/day)

Power

Roaster	Single Phase 220V, 20A, 50-60Hz
Drum Motor	750W
Exhaust Fan Motor	750W
Cooling Fan Motor	1491W
Cooling Tray Stirring Motor	750W

Gas

Fuel Type	LP Gas -or- Natural Gas
Max BTU	160,000
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	7.7 lb/hr (3.5 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	1200 CFM
Exhaust Venting Type Required	Class III, Positive Pressure

Data Logging

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