

# 1K MINI REV Spec Sheet

US Roaster Corp.

## Dimensions

Roaster Dimensions (L x W x H)	23 x 19 x 30 in
Roaster Weight	144 pounds
Chaff Collector Dimensions (Dia. x H)	8 in, 34 in
Chaff Collector Weight	10 pounds
Catalyst Afterburner Dimensions (Dia. x H)	5 in, 21 in
Catalyst Afterburner Weight	One pound
Crate Dimensions (L x W x H)	35 x 19 x 42 in
Crate Weight	200 pounds
Drum construction	Single Wall Stainless Steel 10 gauge
Drum Diameter/Length	7 in, 8 in
Cooling Tray Diameter/Height	12.25 in, 3.75 in
Cooling Tray Construction	Stainless Steel
Faceplate Diameter and Construction	12 in, Double Walled

## Capacity / Output

Batch Size	100g – 1,000g
Average Roasting Time	12-15 minute batch
Production	11 lb/hr, 88 lb/day

## Power

Roaster Voltage/Frequency	Single Phase 208-240V, 35 amp service 50-60Hz
Drum Motor	150W, Variable Speed
Exhaust Fan Motor	1/8 hp
Exhaust Fan Max Airflow	80 cfm
Cooling Tray Stirring Motor	200W Servo
Drum Heater	3500W, 240V
Catalyst Pre-Heater	2000W, 240V
Door Solenoid	12V, 60W
Cooler Damper Solenoid	12V, 60W
Recirculation Damper Actuator	12V, 60W

## Data Logging/Control

Data Logging Interface	Desktop (Cloud, USB), 7in Touchscreen
Logging Thermocouples	Bean, Exhaust Air, Recirculated Air
Control Interface	7in Touchscreen, Desktop
Automation	Fully automated, Profile Tracking

## Electrical and controls specs

Part number	Descriptions
PSP24-0129S	Switching power supply 24vdc output,120/240vac nominal input
PSM12-078S	Switching power supply 12vdc output,120/240vac nominal input
IPC5	Switching power supply 48vdc, output, 120/240vdc nominal input
DDS2-460-DHGRY	Non-fused door disconnect
W22PTR-YMR/10	E-stop button
PH75PG	Controls transformer 75va, 120/240vac input, 24v ac output
AD-HSSR808-DC-15	Solid state relay 3.5-32vdc input voltage, 3-150dc load voltage
AD-SSR230-22-DCZ	Solid state relay 4-32 dc input voltage, 24-280vac load voltage
PA-14-3	Mini linear actuator 12vdc
69905k185	Electric damper 24vdc
CPM-MCVC-34115-RLN	Servo motor
CPM-MCVC-34215-RLN	Servo motor
AT MEGA 2560	Micro controller
RA8875	LCD Touch screen