



RocketChar 301 Biochar Production Unit

\$40,000 USD



The RocketChar 301 is an extremely energy efficient pyrolyzer packed with features only found on much more expensive biochar equipment

The RC301 offers easy startup and does not require any propane or natural gas. The RC301 is extremely energy efficient due to not requiring fans for flue gas or combustion air. This allows the furnace to operate on less than 3 amps of electricity at 110v, and 2 amps of that is just the heat exchanger fan. This is truly the Prius of small scale biochar equipment. This furnace can operate on a wide variety of biomass including wood chips, hemp, crop residues, etc as long as it will flow through a 3" auger which feeds the system. The machine is appx 10 ft tall and has a footprint of 5 ft x 10 ft.

Input = 10-15 gallons +/- of biomass per hour

Output = Appx 15-30% by volume.

Heat = Appx 100k BTU/hr is available. We offer different heat exchanger options for air or liquid applications.

Fuel = Biomass that will flow through a 3" auger. No pieces bigger than 1-1/4". MC up to 30%. Machine has several adjustable features that allow fine tuning for different fuels.

Site requirements = A single 110V outlet. Furnace uses appx 6 amps during startup lasting approximately 5 minutes, 3 amps while running. Truly the prius of continuous automated biochar equipment.

Biochar quench = Water/steam via pump with adjustable digital controls.

Ignition = Electric pellet igniters or manual ignition.

Chimney = 8"

Fuel feed system = 12 ft long auger with vibrating bin.

Controls = Color screen, automatic temperature control, data plotting, remote operation via phone/computer, data collection for carbon credit verification. 90V DC gearmotors for speed adjustment and dwell time adjustment.

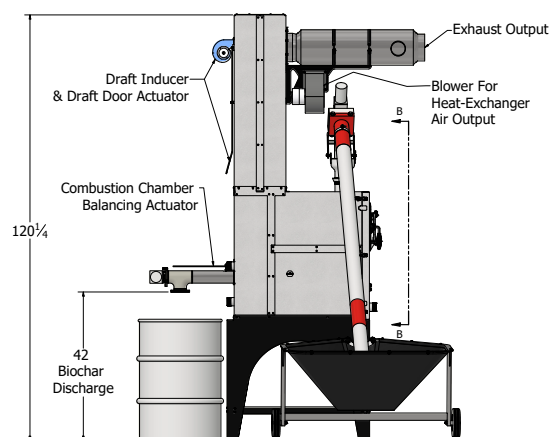
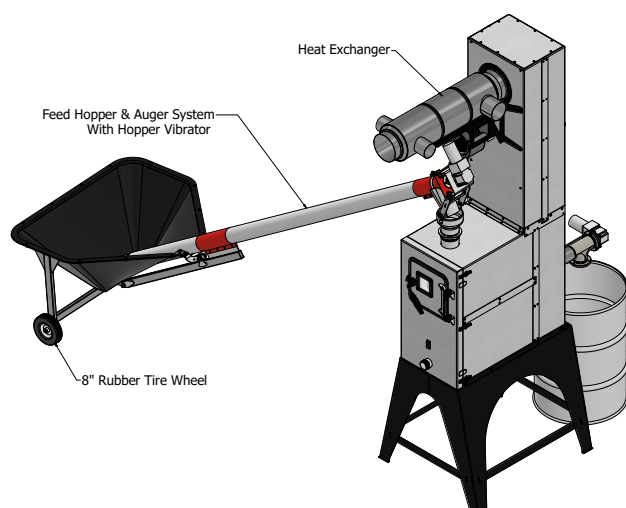
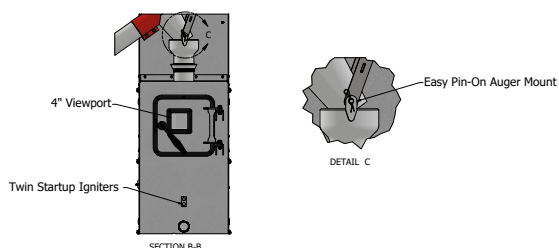
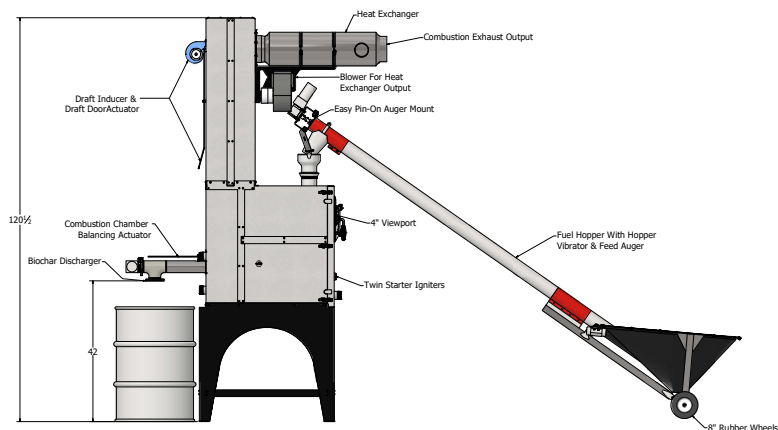
Options = Air to air and air to liquid heat exchangers.

Cost = \$40k USD

Lead time = 120 days

Term = 50% deposit, remaining 50% due upon completion

Assembly & Overview of the RocketChar 301 Biochar Production Unit:



Contact for more information:

Email: Kevin@HPBiochar.com 303-550-4659

or Rowdy@HPBiochar.com

Phone: 307-761-5508 | Web: www.HPBiochar.com



High Plains Biochar LLC
108 Howe Rd Laramie, WY 82070