



RocketChar 302 Biochar Production Unit

\$50,000 USD



The RocketChar 302 is an extremely energy-efficient pyrolyzer packed with features normally found on more expensive biochar equipment

The RC302 only requires paper and biomass (like wood) for startup, with no propane or natural gas needed. Extremely energy-efficient, the RC302 operates on less than 2 amps of electricity at 110V. Requiring no fans for flue gas or combustion air, it is truly “the Prius of small-scale biochar equipment.” This furnace can operate with a wide variety of biomass including wood chips, hemp, crop residues, and more - so long as it flows through the 6" auger that feeds the system. The machine is approximately 10 ft. tall and has a footprint of 5 ft. x 10 ft.

Input: 10-25 gallons +/- of biomass per hour

Output: Approximately 15-35% by volume

Temperature range: ~540-800°C (~1,000-1,500°F)

depending on feedstock

Heat: Approximately 200k BTU/hr is available. An optional heat exchanger is available at an additional cost, with different options for air or liquid applications.

Fuel: Biomass that will flow through a 6" auger

*No pieces bigger than 1½"

Moisture Content (MC) up to 20%. *Adjustable features available to allow fine-tuning for different fuels.

No propane required.

Site requirements: A single 110V outlet - The stove uses approximately 2 amps at 110V while running

Biochar quench: Water/steam via pump with adjustable digital controls

Ignition: Manual ignition using paper and wood

Chimney: 8"

Fuel feed system: 10 ft. long x 6" auger with vibrating bin

Controls: Color screen, automatic temperature control, data plotting, remote operation via phone/computer, data collection for carbon credit verification, and 90V DC gear motors for speed and dwell time adjustments

Options: Air-to-air and air-to-liquid heat exchangers

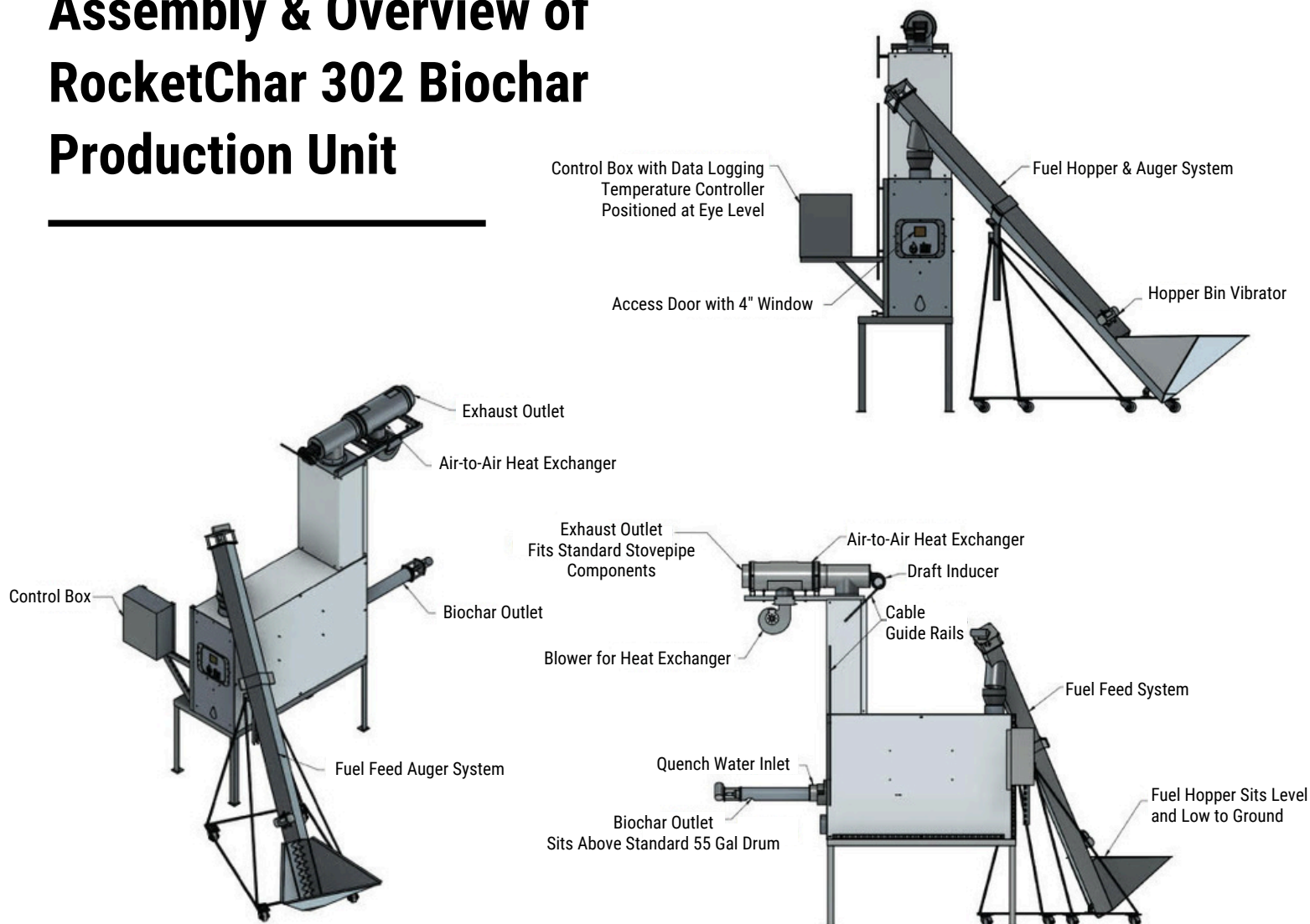
Cost: \$50k USD

Lead time: Approximately 120 days

Terms: 50% deposit to purchase, remaining 50% balance due upon completion



Assembly & Overview of RocketChar 302 Biochar Production Unit



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