

CharBoss®

TRAILER-MOUNTED BIOCHAR PROCESSOR

Biochar Production & Clean Wood Waste Disposal**Features of the T26 CharBoss, a revolutionary Patented Biochar Processor:**

- Developed under the Cooperative Research and Development Agreement with U.S. Forest Service
- Only towable biochar production machine on the market; street legal with VIN
- Easy operation: enables handloading and utilization of biochar onsite for soil restoration
- Powered by a clean and economical HATZ Tier 4 Turbo Diesel Engine
- Biochar conveyor system and FireBox are powered by integrated hydraulic system
- Patented biochar conveyor system with high efficiency, up to 500lbs of Biochar per hour
- Increase ROI with no pre-processing such as chipping or grinding
- Biochar and ash can be turned back into the soil onsite or collected to be marketed
- Can be deployed in hard to reach locations in forests and on farms
- Environmentally friendly; Federally proven: exceeds EPA regulations for air curtain incinerators
- Designed and manufactured by Air Burners, Inc., the world leader in air curtain burner technologies



AIR BURNERS, INC.
4390 SW Cargo Way * Palm City, FL 34990
Phone 772-220-7303



CHARBOSS[®] SPECIFICATIONS



General: T26 CharBoss is a patented self-contained above-ground Air Curtain Burner with a refractory-lined burn container designed for the production of biochar while eliminating forest slash, vegetative agricultural waste, land-clearing debris, etc. The T26 is triple-axle trailer mounted and powered by an onboard Diesel engine. The firebox is raised and lowered by hydraulic lifts. The automatic system creates biochar, conveying it out the back of the machine into a small quenching pan. The biochar is ready for use as a soil additive. The T26 is in compliance with the requirements of U.S. EPA 40CFR60.

Shipped from the factory completely assembled ready for immediate use, the CharBoss is street-legal with a VIN.

MADE IN THE USA

1	Power	Three cylinder liquid cooled Diesel engine, 24.6 HP (HATZ 3H50T or equivalent), full enclosure; security locks around power source; Emission certified U.S. EPA Tier 4.	
2	Firebox	4 in. (102 mm) thick side walls; Refractory panels filled with proprietary thermal-ceramic material cast into steel trays; Panels kiln dried before assembly; Firebox and transport system are raised and lowered by hydraulic actuators; The firebox has a conveyor belt to remove the biochar into a quenching pan.	
3	Running Gear	Patented trailer design includes a fully welded steel frame, triple torsion axles and heavy duty tires; Self-adjusting electric brakes on all wheels; Break-away system; Class V heavy duty adjustable hitch for towing, ball type (2 5/16 inch (58.75 mm) standard, pintle hitch optional; Mechanical jack stand. Standard trailer lighting package.	
4	Instrument Panel	Lockable hatch with keyless engine start/stop with personal identification number (PIN) protection, engine monitoring and diagnostics with hydraulic system controls and gauges.	
5	Air Curtain	Direct-drive custom air fan; Steel manifold welded in position.	
6	Fuel Tank	25 gal. (95 L) fuel tank capacity allows for approximately 23 hr. of run time.	
7	Hydraulics	Hydraulic rams lower the firebox for operation and raise it for ash removal and transport; The biochar system is hydraulically powered, it produces the biochar and delivers it to the rear quenching device.	
8	Biochar Production	Approx. 500 lb./hr. (227 kg/hr.) (See Note).	
9	Through-put	Approx. 1 t/hr. of suitable forest slash (See Note).	
10	Fuel Consumption	Approx. 1.1 gal./hr. (4.2 L/hr.) Ultra Low Sulfur diesel fuel (ULSD).	
11	Water	Quenching biochar requires approx. 12 gal./hr.	
12	Weight	19,441 lb. (8188 kg) Tongue Weight: 1,750 lb. (793 kg)	
13	Dimensions	Overall Size L × W × H	FireBox L × W × H
		22' × 7' 8" × 6' 8" 6.7 m × 2.3 m × 2.0 m	12' × 4' × 4' 3.7 m × 1.2 m × 1.2 m

Note: Achievable through-put depends on several variables, especially the nature of the wood waste feedstock, its moisture content, the firebox temperature and the loading rate. All weights and dimensions are approximate and metric conversions are rounded. Specifications are subject to change without notice. The T26 CharBoss[®] air curtain burner is offered for the production of biochar and reduction of clean wood waste as "Non-self-propelled Mobile Machinery" for the forestry and agricultural industries. For detailed operating instructions and safety precautions, refer to the T26 CharBoss Operating Manual.



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