

CHARBOSS[®] SPECIFICATIONS



MADE IN THE USA

General: T26 CharBoss, a patented self-contained, completely assembled aboveground 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 a hydraulic lift system. The automatic onboard 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 VIN.

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 4F.	
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; 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	Key switch, hydraulic system controls and gauges, tachometer, hour meter, fuel gauge, oil pressure and water temperature indicators with safety shutdown features; Lockable hatches.	
5	Air Curtain	Hydraulically driven custom air fan; Steel manifold welded in position.	
6	Fuel Tank	20 gal. (76 L) fuel tank capacity allows for approximately 18 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 deliveries it to the rear quenching device.	
8	Biochar	Biochar production: approx. 40 gal/hr. or 5 ft ³ /hr. (0.15 m ³ /hr.) (See Note)	
9	Average Through-put	½ -1 t/hr. of 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	17,500 lb. (7900 kg) Tongue Weight:. 1,400 lb. (635 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, 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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