

Wood Waste / Green Waste Disposal

Forestry • Agriculture • Land Clearing • Storm Cleanup



Benefits of the Patented Machine:

- Low capital investment, long useful life
- High mass reduction: 95% to 98% waste reduction
- No chipping or grinding, waste goes straight into Firebox
- Easy operation: faster and cleaner than open burning; can be hand-loaded
- Firebox is lowered & raised by power lift system
- Easy ash clean-out; Firebox has no floor; waste is combusted on earthen ground
- Residue is wood ash and Biochar - ideal to turn back into the soil
- Dramatically reduced operating costs compared to chipping, grinding & trucking
- Street-legal with lights and safety equipment; VIN number
- Environmentally friendly; exceeds EPA regulations for air curtain incinerators



BurnBoss®

TRAILER-MOUNTED FIREBOX



General: The T24 is a towable self-contained, completely assembled above ground Air Curtain Burner (also called air curtain incinerator) for mobile applications. It has been fitted with a refractory lined burn-container that is raised and lowered by a hydraulic lift system. Designed for the environmentally sound high temperature reduction of clean wood waste in forestry and agriculture in compliance with the requirements of US EPA 40CFR60, the T24 is also used for disaster recovery and DHS/FEMA contingencies.

Shipped from the factory completely assembled ready for immediate use. The T24 is a street-legal dual-axle "Mobile Machinery Trailer" with VIN.

1	Power	Two cylinder liquid cooled Diesel engine, 12.5 HP (Kubota Z482-E4 or equivalent), full enclosure; security locks around power source; Emission certified US EPA Tier4 Final.	
2	Burn Container (FireBox)	4" (101mm) thick side walls; Refractory panels filled with proprietary thermo-ceramic material cast into steel trays; panels kiln cured before assembly with proprietary stress relieving and crack propagation reduction features. FireBox is raised and lowered by hydraulic actuators; FireBox is open to the ground.	
3	Running Gear	Patented trailer design includes a fully welded steel frame, dual torsion axles and heavy duty tires for on and off road use; Self-adjusting electric brakes on all wheels: Break-away system; Heavy duty adjustable hitch, pintle or ball type (2 5/16" (58.75 mm) for towing; Mechanical jack stand. Standard trailer lighting package.	
4	Instrument Panel	Key switch, tachometer, hour meter, fuel gauge, oil pressure and water temperature indicators with safety shutdown feature; Lockable instrument panel.	
5	Air Curtain	Custom heavy duty fan; Steel manifold welded in position and ready to use.	
6	Fuel Tank	10 Gallon (37 L) fuel tank capacity allows for approximately 18 hours of run time.	
7	Hydraulics	Hydraulic rams lower the FireBox for operation and raise it for ash removal and transport; Hydraulic system is powered electrically by the onboard 12V battery; ISO32 Synthetic Oil.	
8	Set-up	The BurnBoss arrives onsite ready to use.	
9	Average Through-put	5 -10 cu yd (4 - 8 m ³) per Hour (Average – See Note) Typical feedstock: clean wood waste: forest slash, tree trimmings, vineyard/orchard woody debris, tumbleweeds, etc.	
10	Fuel Consumption	Approx. 0.56 gal/hr. (2.12 L/hr.)	
11	Weight	Gross Weight: Approx. 9,983 lbs. (4,528kg) Tongue Weight: Approx. 1,200 lbs. (544 kg)	
12	Dimensions	Overall Size L × W × H	FireBox L × W × H
		19' 8" × 7' 8" × 5' 8" 6 m × 2.3 m × 1.7 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 waste material, the burn chamber temperature and the loading rate. All weights and dimensions are approximate and metric conversions are rounded. Specifications are subject to change without notice.

The "BurnBoss" is offered as "Non-self-propelled Agricultural/Forestry/Construction Equipment" for only incidental On-Road use.



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