

BURNBOSS[®] SPECIFICATIONS



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-E3 or equivalent), full enclosure; security locks around power source; Emission certified US EPA Tier4 | |
| 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; Pintle or ball hitch (2 5/16" (58.75mm) for towing; Mechanical jack stand. Standard trailer lighting package; Heavy duty adjustable hitch | |
| 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 26 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. 0.35 gal/hr. (1.30 L/hr.) | |
| 11 | Weight | Gross Weight: Approx. 9,983 lbs. (4,528 kg) 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 wood 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. BurnBoss[®] is offered as "Non-self-propelled Agricultural/Forestry/Construction Equipment".

