

## BURNBOSS®



**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 U.S. 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 U.S. EPA Tier4   |  |
| 2  | Burn Container (Firebox) | 4 in. (101 mm) thick side walls; Refractory panels filled with proprietary thermal ceramic material cast into steel trays; panels kiln dried before assembly. 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 <sup>5</sup> / <sub>16</sub> inch (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 air fan; Steel manifold welded in position and ready to use.  |  |
| 6  | Fuel Tank                | 10 gal. (37 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; 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      | ½-1 t/hr. (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.) Ultra-low sulfur (ULSD) Diesel fuel.  |  |
| 11 | Weight                   | Gross Weight: Approx. 9,980 lb. (4,530 kg) Tongue Weight: Approx. 1,200 lb. (544 kg)  |  |
| 12 | Dimensions               | Overall Size<br>L × W × H   | FireBox<br>L × W × H                   |
|    |                          | 19' 8" × 7' 8" × 5' 8"<br>6 m × 2.3 m × 1.7 m   | 12' × 4' × 4'<br>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”.

