

FIREBOX SPECIFICATIONS



MADE IN THE USA

General: A self-contained above ground Air Curtain Burner (FireBox or air curtain incinerator) with a refractory lined burn-container for portable and stationary applications. Designed for the environmentally friendly high temperature reduction of clean wood waste in forestry, agriculture, land clearing, at landfills, transfer stations, etc. in compliance with the requirements of US EPA 40CFR60.

Shipped from the factory completely assembled ready for immediate use and does not require disassembly for relocation. The FireBox is also used for disaster recovery and Department of Homeland Security (FEMA) contingencies. Also offered: Roll-off version (S116R) and electrically powered FireBox (S116E).

1	Power	Four-cylinder 74 hp Turbo Diesel Engine, HATZ 4H50TIC or equivalent engine; Does not require DEF; Emissions certified U.S. EPA Tier 4; Engine mounted fluid coupling (automatic clutch); Option: Three-cylinder 49 hp Turbo Diesel Engine, HATZ 3H50TIC.	
2	Burn Container (FireBox)	4 in. (102 mm) thick refractory wall panels filled with proprietary thermal ceramic material; Two full height refractory rear doors; Two ignition holes; Firebox open to the ground.	
3	Safety Systems	Engine over temperature shut down; Loss of cooling fluid shutdown; Loss of oil pressure shutdown; Front deck security enclosure.	
4	Instrument Panel	MBW electronic engine control with preset throttle settings: key switch, tachometer, hour meter, fuel gauge, oil pressure and water temperature and safety shutdown features.	
5	Air Supply	Custom heavy duty air fan.	
6	Fuel Tank	58 gal. (220 L) minimum fuel tank capacity.	
7	Transportation & Set-up	Shipped completely assembled; Ready for immediate use; Lifting pads provided for crane lifting; Unit can be dragged onsite on its skids.	
8	Options	Ash clean-out rake with standard universal quick disconnect for <i>Skidsteer</i> or <i>Bobcat</i> .	
9	Average Through-put	2-4 t/hr. (Average – See Note).	
10	Fuel Consumption	Approx. 1.9 gal./hr. (7.2 L/hr.) Ultra-low sulfur diesel fuel (ULSD).	
11	Weight	27,500 lb. (12,470 kg)	
12	Dimensions	Overall Size L × W × H	Fire Box L × W × H
		24' 7" × 7' 2" × 7' 4" (7.5 m × 2.2 m × 2.4 m)	16' × 5' × 6' (4.9 m × 1.5 m × 1.8 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 FireBox is offered for the reduction of clean wood waste. For detailed operating instructions and safety precautions, refer to the S100 Operating Manual.



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