



**ROLL-ON / ROLL-OFF
FIRE BOX
SPECIFICATIONS**

S-111R



Roll-on / Roll-off FireBox

General: A self-contained, completely assembled above ground Air Curtain Burner (air curtain incinerator or FireBox) with a refractory lined burn-container and double steel floor and fittings for cable-hoist trucks in accordance with ANSI Specification Z245.60 for portable applications. Designed for the high temperature burning of wood waste, such as pallets, forest slash, land-clearing debris, general green waste, storm debris, and other waste streams within the USA in compliance with the requirements of US EPA 40CFR60.

The machine is shipped from the factory completely assembled ready for immediate use. The firebox is also used for disaster recovery and Homeland Security contingencies and for certain MSW disposal applications in specific jurisdictions. Hook-lift versions are also available.

1	Power	Four cylinder Turbo Diesel Engine 59 HP (Kubota V2403-TE or equivalent engine); full enclosure; security locks; Emission certified US EPA Tier4 compliant; Engine mounted PTO	
2	Burn Container (Firebox)	4" (102 mm) thick refractory panels filled with proprietary thermal ceramic material; Two full height rear doors; Ignition hole on manifold side	
3	Safety Systems	Engine over temperature shut down; Loss of cooling fluid shutdown; Loss of oil pressure shutdown; Front deck steel security enclosure	
4	Instrument Panel	Key switch, tachometer, hour meter, fuel gauge, oil pressure and water temperature indicators with safety shutdown feature and throttle; Lockable instrument panel	
5	Air Supply	Custom heavy duty air fan	
6	Fuel Tank	60 Gallon (227 L) minimum fuel tank capacity	
7	Transportation & Set-up	Shipped completely assembled; Ready for immediate use; Lifting pads provided for crane lifting; Fits in 40 ft HC container for overseas shipment	
8	Options	Ash clean-out rake	
9	Average Through-put	2-4 Tons per Hour (Average – See Note)	
10	Fuel Consumption	Approximately 2.5 Gal/Hr (9.5 L/Hr)	
11	Weight	32,000 lbs. (14,514kg)	
12	Dimensions	Overall Size L x W x H	Fire Box L x W x H
		19' x 7' 5" x 8' 6" (7m x 2.2m x 2.6m)	11' x 5' x 6' (3.35m x 1.5m x 1.8m)

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. Subject to change without notice.

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Rev. 01.2016