

ROLL-OFF FIREBOX SPECIFICATIONS



General: A self-contained, completely assembled above ground Air Curtain Burner (air curtain incinerator or FireBox) with a refractory lined burn-container and steel floor and fittings for cable-hoist trucks or hook-lift trucks in accordance with ANSI Specification Z245.60 for portable applications. The S116R is protected by US Patent Number 7895956.

Designed for the high temperature reduction of wood waste in forestry, agriculture, land clearing, at landfills, transfer stations and other waste streams in compliance with the requirements of US EPA 40CFR60. The FireBox is also used for disaster recovery and Department of Homeland Security contingencies. Shipped from the factory completely assembled ready for immediate use.

1	Power	Four-cylinder Turbo Diesel Engine approx. 74.5 HP, HATZ Model 4H50TIC (Requires no DEF) or equivalent engine; Emissions certified US EPA Tier 4 FINAL; Engine mounted PTO	
2	Burn Container (FireBox)	4" (102 mm) thick refractory panels filled with proprietary thermal ceramic material; Two full height rear doors; Two ignition holes	
3	Safety Systems	Engine over temperature and overspeed shut down; Loss of cooling fluid shutdown; Loss of oil pressure shutdown; Lockable steel 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 fan	
6	Fuel Tank	58 Gallon (220 L) minimum fuel tank capacity	
7	Transportation & Set-up	Shipped completely assembled; Ready for immediate use; Lifting pads provided for crane lifting	
8	Options	Ash clean-out rake with standard universal quick disconnect for Skidsteer or Bobcat;	
9	Average Through-put	3-5 Tons per Hour (Average – See Note)	
10	Fuel Consumption	Approx. 2.1 gal/hr. (7.9 L/hr.)	
11	Weight	39,988 lbs. (18,138 kg)	
12	Dimensions	Overall Size L x W x H	Fire Box L x W x H
	Cable-Hoist Version	27' 6" x 7' 2" x 8' 3" (8.4m x 2.2m x 2.5m)	19' x 5' x 6' (5.8m x 1.5m x 1.8m)
	Hook-Lift Version	27' 1" x 7' 2" x 8' 3" (8.3m x 2.2m x 2.5m)	19' x 5' x 6' (5.8m 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. Specifications are subject to change without notice.

AIR BURNERS, INC.

4390 SW Cargo Way • Palm City, FL 34990
 Phone 772-220-7303

E-mail: info@airburners.com • www.AirBurners.com

© 2022 Air Burners, Inc.

Rev. 05.17.2022