

FIREBOX SPECIFICATIONS



General: A self-contained, completely assembled above ground Air Curtain Burner (air curtain incinerator or FireBox) with a refractory lined burn-container for portable and permanent (stationary) applications. Designed for the high temperature burning of forest slash, land clearing debris, green waste, storm debris, and other waste streams 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 Homeland Security contingencies. Electrically powered version (S327E) available for permanent (stationary) installations.

| | | | |
|----|--------------------------|--|--|
| 1 | Power | Four-cylinder Turbo Diesel Engine approx. 74.5 HP, HATZ Model 4H50TIC (Does not require DEF) or equivalent engine; Emissions certified US EPA Tier 4 FINAL; Engine mounted PTO | |
| 2 | Burn Container (FireBox) | 4" (102 mm) thick refractory wall panels filled with proprietary thermal ceramic material; Two full height refractory rear doors; Three 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 fan | |
| 6 | Fuel Tank | 110 Gallon (416 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 1" (25 mm) blank steel faceplate, interface to accommodate loader to be attached by end-user | |
| 9 | Average Through-put | 9-11 Tons per Hour (Average - See Note) | |
| 10 | Fuel Consumption | Approx. 3.0 gal/hr. (11.4 L/hr.) | |
| 11 | Weight | 54,600 lbs. (24,800 kg) | |
| 12 | Dimensions | Overall Size L x W x H | Fire Box L x W x H |
| | | 37' 4" x 11' 10" x 9' 6" (11.40 m x 3.6 m x 2.9 m) | 27' 2" x 8' 5" x 8' 1" (8.3 m x 2.6 m x 2.46 m) |

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 • FAX 772-220-7302

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

© 2020 Air Burners, Inc.

