

## 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 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 forest slash, agricultural green waste, land clearing debris, storm debris, 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.

Hook-lift and Continuous Chain Roll-off versions also available. Shipped from the factory completely assembled ready for immediate use.

|    |                          |                                                                                                                                                                              |                                       |
|----|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| 1  | Power                    | Three-cylinder Turbo Diesel Engine approx. 49 HP, HATZ Model 3H50TIC (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; Hook-lift and Continuous Chain Roll-off Versions                                        |                                       |
| 9  | Average Through-put      | 3-5 Tons per Hour (Average – See Note)                                                                                                                                       |                                       |
| 10 | Fuel Consumption         | Approx. 1.9 gal/hr. (9.5 L/hr.)                                                                                                                                              |                                       |
| 11 | Weight                   | 39,700 lbs (18,007kg)                                                                                                                                                        |                                       |
| 12 | Dimensions               | Overall Size<br>L x W x H                                                                                                                                                    | Fire Box<br>L x W x H                 |
|    |                          | 27' 4" x 7' 5" x 8' 6"<br>(8.3m x 2.2m x 2.6m)                                                                                                                               | 19' x 5' x 6'<br>(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 • FAX 772-220-7302

E-mail: [info@airburners.com](mailto:info@airburners.com) • [www.AirBurners.com](http://www.AirBurners.com)

© 2019 Air Burners, Inc.

Rev. 06.20.2019