

The Hurikan 700



The Hurikan 700 is one of our largest, top-loading, *high-burn rate incinerators for the disposal of animal-by-products and animal carcasses boasting an impressive main chamber with a loading capacity of up-to 2440 kg/ 5380 lbs. Utilised by governments around the globe to deal with animal waste-management, the Hurikan 700 is a proven solution for the provision of rapid and bio-secure incineration of organic waste materials. The Hurikan 700 is an excellent choice for those requiring regular incineration for large quantities of animal waste. Our market leading unique hearth bar technology allows for the fast and complete incineration of a range of animal by product and carcasses, such as pigs of any size, cattle, beef herds, slaughterhouse and meat processing plant waste.

*Higher burn rates are dependent on efficient usage and waste type. This may be subject to your local regulations. Speak to a member of our team for more information. As with all models in the Hurikan Range, the Hurikan 700 is supplied with an integral secondary chamber, ensuring it fully conforms to EU By-Products Regulation (ABPR) (EC) No 142/2011, DEFRA Regulations and many other legislative bodies around the world.



*Image shown does not show chimney stack.

The Hurikan 700



Key Features:

- Low thermal mass monolithic lining
- Fully automated and remote-controlled top-loading door: open/close/clamp operation.
- Market leading unique hearth bar technology allows fast and complete incineration.
- 8 pulse fired burners, above and below hearth maximises throughput. 6 burners in the main chamber; 2 above & 4 below hearth. With 2 located in the secondary chamber.
- High Capacity up to 700kg/1544 lbs per hour enables fast disposal of waste.
- In the event of disease outbreak the incinerator can be operated, and waste loaded within 2 hours of waste arriving on site providing swift containment.
- Ash doors, as standard, allows fast and efficient ash removal whilst in operation removing downtime.
- Temperature controlled burners for optimal efficiency.
- Fully programmable touch HMI control panel with automatic burner shut off function and rapid ignition burners for low running costs.
- Remote monitoring of the control system, enabling Waste Spectrum to support and monitor the incinerator during operation.
- Multiple channel thermocouple data logger built into PLC.
- Can be loaded whilst in operation maximising the inherent thermal efficiency of our monolithic lining.

Ideally Suited For:

- Poultry
- Pigs - All sizes
- Sheep – Rams, Ewes, Lambs
- Goat
- Dairy Cattle and Beef Herds
- Abattoirs and Slaughterhouses
- Rendering plants
- Meat processing plants

Optional Features:

- Mobile, Skid Mounted or Transportable options available
- Stack Extension
- Heat Exchanger



Image illustrates suggested loading method



Main Chamber View

The Hurikan 700 Specifications



Specifications	Unit - Metric		Unit - Imperial	
Burn Rate	Up to kg/hr	700	Up to lbs/hr	1544
Front / Top Load		Top		Top
Static Operational Dimensions (LxWxH)	m	8.8 x 2.8 x 5.8	feet/inch	28'9" x 9'3" x 19'
External Height - Static	mm *inc. Stack	5785	feet/inch *inc. Stack	19'
External Height - Static	mm *ex. Stack	2828	feet/inch *ex. Stack	9'3"
Weight	Tonne *estimated	15.6	lbs *estimated	34393
Concrete Pad Size (L x W)	m *recommended	9.5 x 6.0	feet/inch *recommended	31'2" x 19'8"
Fuel Consumption Diesel	LPH *est during main burn	40 - 57	GPH *est during main burn	10.7 - 15.1
Fuel Consumption LPG	LPH *est during main burn	59 - 85	GPH *est during main burn	15.0 - 22.6
Fuel Consumption Nat Gas	m ³ /h *est during main burn	40 - 57	ft ³ /h *est during main burn	1425 - 2015
Hearth Bars		40		40
Load Door Opening (Width x Height/Depth)	mm *area	2605 x 1880	ft/inch *area	8'7" x 6'2"
Chamber Size (LxWxH)	m	2.6 x 1.9 x (1.5 - 2.2)	ft/inch	8'7" x 6'2" x (4'11" - 7'3")
Chamber Actual Volume	m ³	7.50	ft ³	265
Chamber Load Volume	m ³	4.42	ft ³	156
Chamber Load Capacity	kg	2440	lbs	5380
Std Stack Diameter	inch/mm *2D Size	625mm	inch/mm *2D Size	625mm
No. Main Burners		6		6
No. Secondary Burners		2		2
Burner Output	kW *heat	952	Btu *heat	3,248,359
Electric Consumption	kW *electricity	2.25	kW *electricity	2.25

The Waste Spectrum Way:

Here at Waste Spectrum, we do things a little differently.

- Each machine is hand crafted by our team of industry experts at our workshop in the Heart of England.
- Integral to our machines quality is the monolithic casting system, a technology that is unique to the Waste Spectrum brand. The monolithic casting system ensures maximum strength and reliability as the materials can expand and contract at the same rate, unlike brick lined machines. The insulation board reduces heat loss and the stainless anchor system maintains the integrity of the lining.
- The Waste Spectrum monolithic casting system ensures the longevity and reliability of our machines, as they can achieve high temperatures without posing risk to the machines structural integrity.
- Behind the Waste Spectrum brand is a team of experts who are always on hand to discuss any queries or questions that you may have about incineration.