

# AIS 0133 CYCLONE

## PRODUCT DETAILS

PRODUCT DETAILS | FEATURES | SPECIFICATIONS |  
WARRANTY INFORMATION



One of the key reasons our incinerators are recognized as being '*probably the best*' on the world market, is the use of our market leading and trusted low thermal mass monolithic concrete lining which is used in all of our models.

All models in the Cyclone Range are supplied with a secondary chamber, ensuring they fully conform to many legislative bodies around the world.

## AIS 0133 Cyclone

- With a \*high burn rate of up to 150kg/331lbs per hour and a large load capacity of up to 1180kg / 2602 lbs, the AIS 0133 Cyclone incinerator allows for the bio-secure disposal of your animal-by-product waste in the shortest time possible.
- Suited for a wide range of larger animal carcasses and animal-by-products generated across the agricultural sector including; Pigs & Sows, Dairy / Beef Cattle, Abattoirs, Slaughterhouses, Rendering Operations, Meat Processors, Equine. Also a good choice for poultry operations that want a front loading design.
- Easy to load via a lightweight fibre lined door located on the front of the incinerator, giving full access to a large main burning chamber.
- PLC timer controls with automatic burner shut off function and fast ignition burners. Four burners are in the main chamber, one additional burner is in the secondary chamber.
- Can be loaded whilst in operation maximizing the inherent thermal efficiency of our monolithic concrete lining, keeping running costs low.
- Optional Extra Features include; Stack Extension / Ash Rake / USB Data Logger / Animal Loading Trolley / Winch assembly / Heat Exchanger / Control Panel screen size increase / Service Kits.



Image shown is of the AIS 0133 Cyclone model

\*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.



### Be Assured of a Quality Product & Quality Service with AIS:

- Each machine is hand built by our team of skilled technicians in the UK and U.S.
- The reason your incinerator will last is due to the type of lining used. Our trusted monolithic casting system ensures maximum strength, reliability and a longer machine life. We are always happy to explain why our technology is far better than any other manufacturers product on the world market. Talk to us to find out more and make your own mind up.
- Behind the AIS brand is a team of experts who are always on hand to discuss any questions that you may have about incineration, so you can be assured of great service and a great product.
- But it goes beyond that, we stay with you for the life of the machine, always on hand if or when you need us. It's a people thing, it's an AIS thing.

### \*3 YEAR WARRANTY AS STANDARD:

The whole plant and associated equipment supplied as part of the overall installation will be covered by a \*36-month or 2100 hours warranty (whichever soonest) from the date of dispatch from the manufacturing premises of Agri Incineration Systems Limited, except for any consumable item as listed below and provided that:

- a) Each defect has materialized under normal operating conditions and not due to misuse, abuse, or operational errors.
- b) An effective maintenance regime is operated which may include a Service Contract being taken up at the time of handover. This Service Contract should be provided by Agri Incineration Systems Limited or trained and authorized agents.
- c) The contract price, as detailed within the quotation or as amended by agreement of both parties, has been paid in full.

#### Consumable Parts (Items not covered under Warranty).

1. Primary Chamber Thermocouples
2. Secondary Chamber Thermocouples
3. Access Door seals
4. Control Panel indicator bulbs or LEDs
5. Burner electrodes and leads
6. Burner probes and leads
7. Burner Blast Tubes
8. Burner Diffuser Assemblies
9. Burner nozzles / ionization probes
10. Grate Bars
11. Mechanical damage of any sort

*3 Year Warranty as standard, talk to us about a long-term Service Plan to suit you*



Specifications	Unit - Metric		Unit - Imperial	
*Burn Rate	Up to kg/hr	150	Up to lbs/hr	331
Front / Top Load		Top		Top
Static Operational Dimensions (LxWxH)	m	4.3 x 2.4 x 4.4	feet/inch	14' 1" x 7' 10" x 14' 5"
External Height - Static	mm *inc. Stack	4400	feet/inch *inc. Stack	14' 5"
External Height - Static	mm *ex. Stack	3600	feet/inch *ex. Stack	11' 10"
Weight	Tonne *estimated	6.5	lbs *estimated	14331
Load Height from Ground (floor to bottom edge)	mm	400	feet/inch	1' 4"
*Fuel Consumption Diesel	LPH *est during main burn	22.7 - 34.5	GPH *est during main burn	6.0 - 9.1
*Fuel Consumption LPG	LPH *est during main burn	33 - 52	GPH *est during main burn	8.0 - 13.6
*Fuel Consumption Nat Gas	m <sup>3</sup> /h *est during main burn	23 - 35	ft <sup>3</sup> /h *est during main burn	800 - 1218
Grate Bars		No		No
Load Door Opening (Width x Height/Depth)	mm *area	1300 x 925	ft/inch *area	4' 3" x 3' 0"
Chamber Size (LxWxH)	m	2.9 x 1.3 x 1.1	ft/inch	9' 4" x 4' 3" x 3' 5"
Chamber Actual Volume	m <sup>3</sup>	3.80	ft <sup>3</sup>	134
Chamber Load Volume	m <sup>3</sup>	2.15	ft <sup>3</sup>	76
*Chamber Load Capacity	kg	1180	lbs	2602
Std Stack Diameter	inch/mm *2D Size	540mm	inch/mm *2D Size	540mm
No. Main Burners		4		4
No. Secondary Burners		1		1
Burner Output	kW *heat	500	Btu *heat	1,706,071
Electric Consumption	kW *electricity	0.55	kW *electricity	0.55

\*The optimum performance of the incinerator is dependent upon efficient usage and waste type