

Technical Specifications

TeamTec Incinerator GS1500C

The incinerator consist of a combustion chamber with burner unit, sludge burning equipment, bilge water injection equipment, and electric control panel, all assembled in one complete unit resting on six (6) feet or pads to be welded or bolted to the deck or platform. Flue gas damper and cooling fan are delivered as separate units to be installed in the flue gas duct or funnel. The starter for the flue gas fan gas/cooling fan is located in a separate starter cabinet.

Maker: **TeamTec AS**
 Type: **GS1500C**
 Version: **C**
 Edition: **2007**

Description	Measure	Unit of Measure
<i>Incinerator (dim.dwg 1008026)</i>		
Outer dimensions (L x W x H)	4535 x 2120 x 1971	mm
Total weight	7500	kg
Feeding door clear opening (W x H)	400 x 600	mm
Sluice feeder opening	N/A	mm
Sluice capacity	N/A	l/charge
Incineration thermal capacity	1 500 / 1 290 000	kW / kcal/h
Sludge oil burning capacity nominal (IMO spec.)	160	l/h
Solid waste capacity, batch load	800	l/charge
Solid waste continous charging	N/A	kg/h
Water injection capacity	240	l/h
Negative pressure	10 - 35	mmW.C.
Outer skin temperature above ambient	15	°C
Working temperature combustion chamber	850 - 1150	°C
Max temperature combustion chamber	1200	°C
Working temperature flue gas	250-350	°C
Diesel oil viscosity (max)	13	cSt at 40°C
Diesel oil consumption when support burner is in operation 1 / 2 nozzles	N/A	l/h
Diesel oil consumption when 2 support burners are in operation, 1 / 2 nozzles each	28 / 72	l/h
El. power consumption diesel oil heater	2 x 2.0	kW
Nominal total electrical power consumption	40	kW
Total rated electrical power consumption	50	kW
Recommended supply fuse	80	A
Burner air blower capacity, maximum	2 x 1500	m ³ /h
Secondary air fan	1500	m ³ /h
Steam or compressed air requirement (for sludge atomizing)	80 / 7	norm.m ³ /h / bar

Description	Measure	Unit of Measure
Pipe connection steam or air (DN)	20	
Pipe connection for diesel line (supply / return) (DN)	20	
Pipe connection for sludge oil line (supply / return) (DN)	25	
Pipe connection for bilge water (DN)	25	
Pipe connection for drain of spill collector (DN / BSP)	25 / -	
Flue gas outlet dimension (DN)	500	
Minimum distance between flue gas outlet and first component on the flue gas line	2500	mm
Incinerator body colour	RAL 6019	
Control panel colour	RAL 7032	

<i>Flue gas damper (3007232)</i>		
Flange dimension inlet (from incinerator) (DN)	500	
Flange dimension outlet (fan side) (DN)	500	
Weight	105	kg
Colour (heat resist.)	Aluminium	

<i>Flue gas fan frequency converter (dim.dwg)</i>		
IP rating	N/A	
Maximum ambient temperature, no derating	N/A	°C

<i>Flue gas fan (dim.dwg 1008106)</i>		
Flue gas fan capacity, maximum	25 000	m ³ /h
Back pressure, maximum	200	mmW.C.
Separate starter recommended fuse	80	A
Rated power consumption from separate supply	33.5	kW
Flue gas duct dimension (inlet / outlet) (DN)	500 / 600	
Flue gas fan weight	800	kg
Flue gas fan outer dimensions (L x W x H)	1603 x 1765 x 1580	mm
Colour (heat resist.)	Aluminium	

Revised Sept 2009