

## Technical Specifications TeamTec Incinerator GS500CS

The incinerator consist of a combustion chamber with burner unit, sludge burning 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.

Maker: **TeamTec AS**  
 Type: **GS500C**  
 Version: **CS**  
 Edition: **2007**

Description	Measure	Unit of Measure
<i>Incinerator (dim.dwg 1007735)</i>		
Outer dimensions (L x W x H)	2457 x 1902 x 1994	mm
Total weight	4600	kg
Feeding door clear opening (W x H)	400 x 600	mm
Sluice feeder opening	400 x 500	mm
Sluice capacity	125	l/charge
Incineration thermal capacity	850 / 730,000	kW / kcal/h
Sludge oil burning capacity nominal ( IMO spec. )	95	l/h
Solid waste capacity, batch load	400	l/charge
Solid waste continous charging	125	kg/h
Water injection capacity	N/A	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	14 / 36	l/h
Diesel oil consumption when 2 support burners are in operation, 1 / 2 nozzles each	N/A	l/h
El. power consumption diesel oil heater	2.0	kW
Nominal total electrical power consumption	24	kW
Total rated electrical power consumption	27	kW
Recommended supply fuse	63	A
Burner air blower capacity, maximum	1500	m <sup>3</sup> /h
Secondary air fan	N/A	m <sup>3</sup> /h
Steam or compressed air requirement (for sludge atomizing)	20 / 7	norm.m <sup>3</sup> /h / bar
Pipe connection steam or air (DN)	15	

Description	Measure	Unit of Measure
Pipe connection for diesel line (supply / return) (DN)	15	
Pipe connection for sludge oil line (supply / return) (DN)	25	
Pipe connection for bilge water (DN)	N/A	
Pipe connection for drain of spill collector (DN / BSP)	25 / -	
Flue gas outlet dimension (DN)	400	
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 3007253()</i>		
Flange dimension inlet (from incinerator) (DN)	400	
Flange dimension outlet (fan side) (DN)	400	
Weight	76	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 4006932)</i>		
Flue gas fan capacity, maximum	12 000	m <sup>3</sup> /h
Back pressure, maximum	200	mmW.C.
Separate starter recommended fuse	N/A	A
Rated power consumption from separate supply	N/A	kW
Flue gas duct dimension (inlet / outlet) (DN)	400 / 400	
Flue gas fan weight	526	kg
Flue gas fan outer dimensions (L x W x H)	1403 x 1380 x 1198	mm
Colour (heat resist.)	Aluminium	

Revised Sept 2009