

Technical Specifications

TeamTec Incinerator GS900CX

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. A frequency converter and cooling fan are delivered as separate units to be installed in the flue gas duct or funnel.

Maker: **TeamTec AS**
 Type: **GS900C**
 Version: **CX**
 Edition: **2010**

Description	Measure	Unit of Measure
<i>Incinerator (dim.dwg 1008677)</i>		
Outer dimensions (L x W x H)	2926 x 1807 x 2140	mm
Total weight	4400	kg
Feeding door clear opening (W x H)	500 x 1150	mm
Sluice feeder opening	N/A	mm
Sluice capacity	N/A	l/charge
Incineration thermal capacity	1,369/ 1,177,300	kW / kcal/h
Sludge oil burning capacity nominal (IMO spec.)	162	l/h
Solid waste capacity, batch load	600	l/charge
Solid waste continous charging	N/A	kg/h
Water injection capacity	N/A	l/h
Negative pressure	10 - 65	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	18 / 44	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	2.5	kW
Nominal total electrical power consumption	40	kW
Total rated electrical power consumption	45	kW
Recommended supply fuse	100	A
Burner air blower capacity, maximum	1500	m ³ /h
Secondary air fan	1500	m ³ /h
Steam or compressed air requirement (for sludge atomizing)	40 / 7	norm.m ³ /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)	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 fan frequency converter (dim.dwg 3008893)</i>		
IP rating	54	
Maximum ambient temperature, no derating	45	°C

<i>Flue gas fan (dim.dwg 1008105)</i>		
Flue gas fan capacity, maximum	25 000	m ³ /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)	500 / 600	
Flue gas fan weight	800	kg
Flue gas fan outer dimensions (L x W x H)	1603 x 1765 x 1550	mm
Colour (heat resist.)	Aluminium	

Revised September 2009