

Technical Specifications

TeamTec Incinerator OG400CS

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 four (4) 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: **OG400C**
 Version: **CS**
 Edition: **2007**

Description	Measure	Unit of Measure
<i>Incinerator (dim.dwg 1007679)</i>		
Outer dimensions (L x W x H)	1697 x 1900 x 1960	mm
Total weight	3210	kg
Feeding door clear opening (W x H)	400 x 600	mm
Sluice feeder opening	320 x 320	mm
Sluice capacity	55	l/charge
Incineration thermal capacity	580/ 500,000	kW / kcal/h
Sludge oil burning capacity nominal (IMO spec.)	65	l/h
Solid waste capacity, batch load	400	l/charge
Solid waste continuous charging	55	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	10 / 28	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	11.0	kW
Total rated electrical power consumption	14.3	kW
Recommended supply fuse	32	A
Burner air blower capacity, maximum	1500	m ³ /h
Secondary air fan	N/A	m ³ /h
Steam or compressed air requirement (for sludge atomizing)	20 / 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)	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 (3007250)</i>		
Flange dimension inlet (from incinerator) (DN)	400	
Flange dimension outlet (fan side) (DN)	350	
Weight	74	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 4006931)</i>		
Flue gas fan capacity, maximum	9 500	m ³ /h
Back pressure, maximum	150	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)	350 / 350	
Flue gas fan weight	330	kg
Flue gas fan outer dimensions (L x W x H)	1051 x 1065 x 1030	mm
Colour (heat resist.)	Aluminium	

Revised sept 2009