

Datasheet

4.5 Mmbtu Containerised Rigsafe Steam Generator

RentAir Offshore has an extensive fleet of steam generators providing outputs up to 4.5 mmbtu. RentAir Offshore steam generators are an ideal solution for standby or replacement of customers own boiler for onshore and offshore use. They can also support well test, refinery and decommissioning application.

The steam generators can be coupled to the RentAir Offshore heat exchanger to give a complete heating solution. The units are enclosed in purpose built containers that house the control system, water and fuel tanks. A remote emergency shutdown facility is available ensuring instant safe shutdown should methane, propane and H₂S gas or a similar hazard be detected or encountered.



Features:

- Three-pass, wet-back design boiler with low external temperatures
- Boiler designed to ASME or BS boiler vessel codes
- Containers built to BS7072 and DNV 2.7-1
- Compact self-contained design - size of a 20ft shipping container
- Water, condensate returns and fuel storage tanks mounted within the container
- Dual water pump (duty and stand-by)
- Internal spark arrestor
- Remote emergency shutdown facility
- Steam package ships with a certified steam hose and fittings package
- Experienced offshore service technician(s) for operational and maintenance assistance

Options

- Dual fuel capability

Technical Specifications

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Performance

Saturated steam flow	2,000 kg/hr
Capacity	4.5 Mmbtu
Working pressure	150 PSIG 10.34 bar g
Max steam temperature	186°C
Fuel tank	1,035 litres
Water tank	1,035 litres
Fuel consumption	98.42 litres/hr
Full load running	10.5 hrs
Water consumption	2000kgs per hour
Water quality	Potable Water (Minimum)
Build specification	BS 2790 & ASME 1
Power Supply	380 / 480 Volts 50 / 60 HZ
Electrical Main Circuit Breaker	32 amps
Start-up power requirement	30 amps
Power Supply Connection	4 pin 3Ph 415 V
Steam Outlet Connection	1 x 2" Hammer Union Fig 206
Returns Line Connection	1 x 2" Hammer Union Fig 206
Water Supply Connection	1 x ¾" Crows Foot

Lifting Specification, Weights & Dimensions

Lifting Spec	DNV2.7-1
Length	6,058 mm
Width	2,438 mm
Height	2,896 mm
Weight (kg dry)	11,000 kg
Weight (kg operating)	14,000 kg

Safety Features

Emergency fuel cut off	External Emergency Stop
Low water alarm	Anti-slip flooring
Low water cut off	

For more information on Steam Generators please contact your local RentAir Offshore representative or email offshore@rentairoffshore.com

Note: The above referred specifications are our minimum standard and for guidance purposes only. For steam generator specific information applicable to comply with regional standards please consult your local RentAir Offshore representative.

Technical drawings available on request. P&ID GA

Aberdeen, UK
+44(0)1224 215400

Great Yarmouth, UK
+44 (0)1493 656003

Netherlands
+31 (0)223 630 552

Singapore
+65 3106 2042

Australia
+61 (08) 9258 4949