

Steam Boiler 4.6Ti+

Cat-class 575-1150



General Information

Required Voltage	V	3x400	Required Power supply (incl. feed water pumps)	kW	27
Required Circuit Breaker	A	3x63 (D curve)	Noise Level at Nominal Capacity	dB(A)	94,3 @1m
Max Steam Flow: make-up water @ 90 °C	kg/h	4600	NOx Emissions Natural Gas	mg/Nm3	100
Max Steam Flow: make-up water @ 10 °C	kg/h	4100	NOx Emissions Light Fuel Oil	mg/Nm3	150
Max Steam Pressure	barg	14.5	Turndown Ratio	natgas/lfo	5,7/3
Nominal Efficiency (indirect method)	-	95% (+/-1%)	Natural Gas Maximum Consumption	Nm ³ /h	314
Water Volume Content @Low level	l	6010	Light Fuel Oil or HVO100 Maximum Consumption	l/h	325

Dimensions

Transport (L*W*H)	m	912*244*289	Footprint in Operation	mm	9120*2440
Chimney Elevation	mm	6200 or 10100 (in option)	Operation Weight	kg	28500
Transport Weight	kg	20300			



AIR



POWER



TEMPERATURE



FLOW

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Connections: Dimensions & Type, Expected Value

Make-up water inlet	DN40 PN16 (EN 1092-1, B TYPE)	2,5barg min. to 6barg max	Gas inlet	DN80 PN16 (EN 1092-1, B TYPE)	105 to 450barg (PS 500mbarg)
Condensates inlet	DN40 PN40 (EN 1092-1, B Type)	8barg & 103°C max.	Light fuel oil inlet	1" push pull quick coupling	0,5 to 5barg (45°C max.)
Electrical Power	CEE 63A 5P	27 kW	Blow down drain	DN100 PN16 (EN 1092-1, B Type)	Atmospheric pressure
Steam outlet	DN100 PN40 (EN 1092-1, B Type)	7 to 14,5barg operating pressure			

Optional Accessories

Fuel Tank	Rigid Pipes and Flexible Hoses
Water Softener	Steam silencer
Chemical Dosing	Steam Pressure Reducer

Main Features

Three pass boiler shell with 16barg design pressure	2 visual water level gauge
Integrated smoke economizer	Blow down tank with automatic blow down valve
Low Nox dual fuel burner + VSD + O2 regulation	Automatic continuous desalting device
Temperature controlled atmospheric feedwater tank	PLC with remote monitoring
Feedwater pump + VSD	Up to 72hrs of unsupervised operation
2 Safety valves (100% nominal capacity each at 16barg)	No special convoy transport required



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