

Capacity

Oil fired section up to 10 t/h

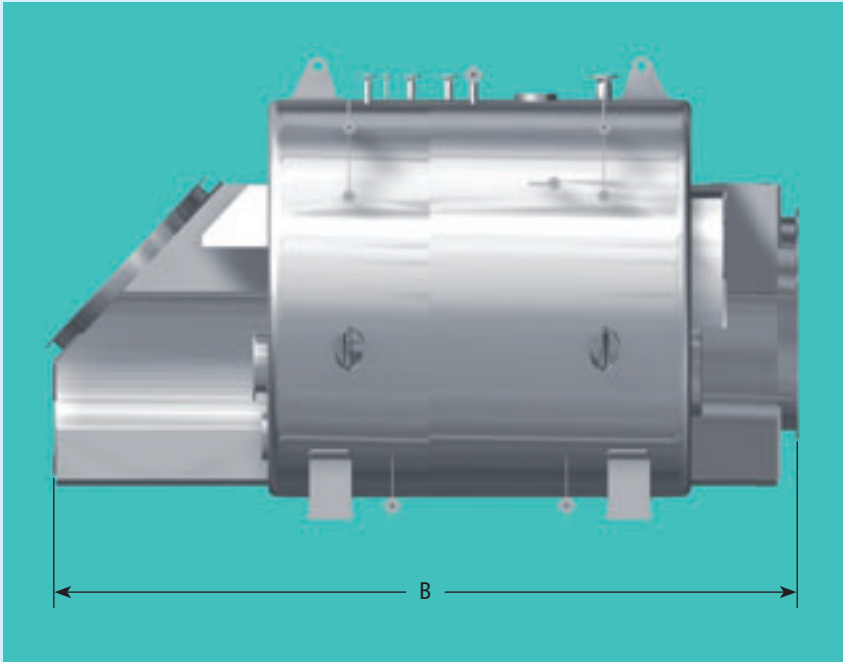
Design pressure

**Exhaust gas section as required
up to 1.2 MPa**

Design Features

The CMB-HF is a combined horizontal exhaust gas and three-pass oil fired boiler.

Due to the third pass in the convection part in the oil fired section the efficiency is the highest possible for marine boilers. The heat transfer in the oil fired section is performed through the corrugated/plain flame tube furnace and a number of plain smoke tubes. These smoke tubes and the furnace can be easily accessed for cleaning and maintenance purposes through the reverse chamber doors. The exhaust gas section is designed with plain smoke tubes.



Note

Exhaust gas section of the composite boiler is designed according to diesel engine exhaust gas data and steam demand in each particular case.

Steam capacity oil fired section t/h	Steam capacity exhaust gas section t/h	Design pressure MPa	Main engine	A* mm	B** mm	Boiler dry weight*** kg	Water volume at NWL m³	Recommended burner type****
7.0	7.0	1.0	MAN B&W 12 K98 ME at 90 % MCR ISO condition	5450	11300	94000	63.0	SKV-A 56
3.0	3.0	1.0	MAN B&W 8 K80 MC-C6 at 85 % MCR ISO condition	3550	8600	35500	17.5	SKVJ-M 24
2.0	2.0	1.0	MAN B&W 7 S60 MC-C MK 8 at 90 % MCR ISO condition	3450	6750	28000	22.0	SKVJ-M 18
1.0	depending on main engine type and layout	1.0		Above given numbers are examples of existing boilers. Dimensions are depending on exhaust gas amount and exhaust gas temperature.				SKVJ-M 10
1.5		1.0	SKVJ-M 14					
2.0		1.0	SKVJ-M 18					
2.5		1.0	SKVJ-M 18					
3.0		1.0	SKVJ-M 24					
3.5		1.0	SKVJ-M 28					
4.0		1.0	SKVJ-M 36					
5.0		1.0	SKV-A 46					
6.0		1.0	SKVJ-M 46					
7.0		1.0	SKVJ-M 58					
8.0		1.0	SKV-A 68					
9.0		1.0	SKV-A 68					
10.0	1.0	SKV-A 102						

* including insulation

** including gas hoods

*** including insulation, refractory, valves and recommended burner

**** please note that recommendation of burner type is based on 60Hz frequency, for 50Hz applications, the burner type may be different