

Technical data sheet

Composite marine boiler CMB-VS

SAACKE MARINE SYSTEMS

LNG carriers

Dry cargo vessels

FPSO applications

Passenger vessels

Tankers



Composite Marine Boiler CMB-VS

The CMB-VS is a combined vertical exhaust gas and fired boiler. The heat transfer in the fired section is performed through the plate furnace and a number of rifled plain smoke tubes. The fired section can be equipped with pin tubes on request. The exhaust gas section is designed with plain smoke tubes.

Technical data: CMB-VS

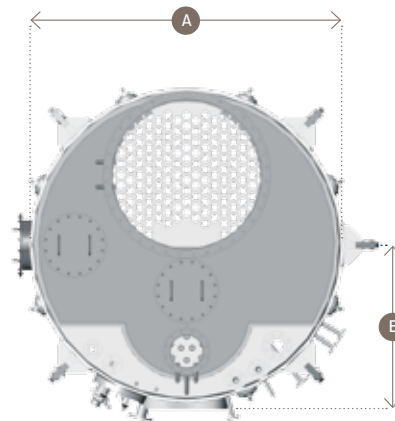
Steam capacity	Fired section up to 5 t/h Exhaust gas section as required
Design pressure	Up to 1.0 MPa

Dimensions CMB-VS

Front view



Plan view



Product information

- ↳ Combined vertical exhaust gas and oil fired boiler
- ↳ Heat transfer through the plate furnace and a number of rifled plain smoke tubes
- ↳ Pin tubes on request
- ↳ For liquid and gaseous fuels

Boiler data

Steam capacity fired section	Steam capacity exhaust gas section	Design pressure	Main engine	A*	B**	C	D	E	Dry weight	Water content at NWL
t/h	t/h	Mpa	mm	mm	mm	mm	mm	mm	kg	m ³
1.5	1.0	0.9	MAN&BW 6S 50 MC-C7 at 100 % ISO condition	2,710	6,120	780	250	1,325	20,300	11.2

1.0
1.5
2.0
2.5
3.0
3.5
4.0
5.0
6.0

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.

Exhaust gas section designed according to engine exhaust gas data and steam demand in each particular case. Data subject to plant conception and class rules. Dimension valid for fuel oil firing and may differ in case of gas firing.

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

