

Marine Offshore Gensets

H22CDF | Bore: 220mm, Stroke: 330mm

Main Data

Speed	900 rpm		1,000 rpm	
Frequency	60 Hz		50 Hz	
	Eng.kW	Gen.kW	Eng.kW	Gen.kW
5H22CDF	1,075	1,011	1,100	1,034
6H22CDF	1,290	1,220	1,320	1,248
7H22CDF	1,505	1,423	1,540	1,463
8H22CDF	1,720	1,634	1,760	1,672
9H22CDF	1,935	1,839	1,980	1,881

Based on alternator efficiency of 94-95 %.

Heat Rate & SFOC (100% Load)

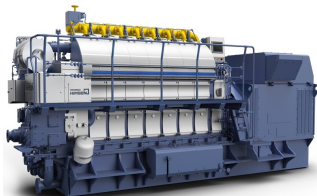
Load	900 rpm	1,000 rpm
Heat Rate@Gas mode	8,120 kJ/kWh	8,172kJ/kWh
SFOC@Diesel mode	191.5 g/kWh	193.0 g/kWh

*) Note :

- 1) Reference condition based on ISO 3046/1
- 2) Main fuel oil based on marine diesel oil, LCV(Lower Calorific Value) 42,700kJ/kg
- 3) Fuel gas based on natural gas, Lower Heating Value 36MJ/Nm³, methane number Min. 80
- 4) NOx Emission limitation : IMO Tier II on Diesel mode, IMO Tier III on Gas mode

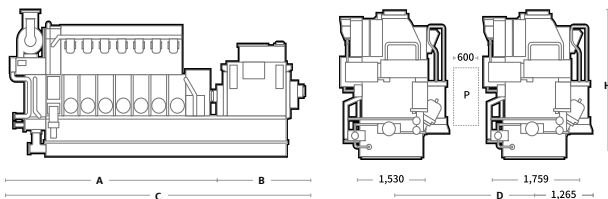
Specific Lubricating Oil Consumption

Lub. Oil: 0.6 g/kWh



Dimensions

Speed	cyl.	Dimension (mm)				Dry Mass (ton)	
		A	B ¹⁾	C ¹⁾	H	Engine ²⁾	GenSet ^{1),3)}
900/1,000 rpm	5	3,735	2,249	5,984	3,056	16.5	25.4
	6	4,085	2,249	6,334	3,056	18.2	27.6
	7	4,435	2,305	6,740	3,056	19.9	29.3
	8	4,785	2,305	7,090	3,056	21.6	31.2
	9	5,135	2,450	7,585	3,056	23.3	34.6



Remarks

- 1) Depending on alternator.
- 2) Without common base frame.
- 3) With common base frame & alternator (Maker: Hyundai Electric).

D: Min. distance between engines 2,990 mm (with gallery).

P: Free passage between the engines, width 600 mm and height 2,000 mm.

Note) All dimensions and weight are approximate value and subject to change without prior notice.



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