

Marine Offshore Gensets

H54DFV | Bore: 540mm, Stroke: 600mm

Main Data

Speed	600 rpm	
Frequency	50 Hz / 60 Hz	
	Eng.kW	Gen.kW
12H54DFV TSTC	17,640	17,111
14H54DFV TSTC	20,580	19,963
16H54DFV TSTC	23,520	22,814
18H54DFV TSTC	26,460	25,666

Based on alternator efficiency of 97%.

Heat Rate & SFOC (100% Load)

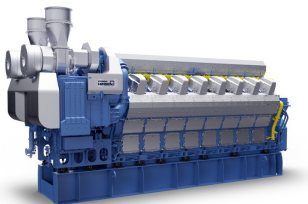
Speed	600 rpm
Heat Rate@Gas mode	7,090 kJ/kWh
SFOC@Diesel mode	176 g/kWh

*) 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

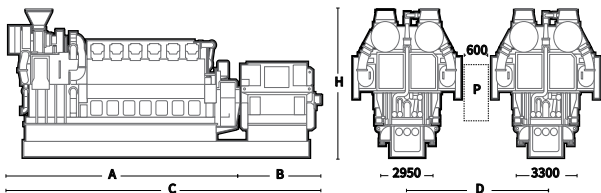
Specific Lubricating Oil Consumption

Lub. Oil: 0.5 g/kWh



Dimensions

Speed	cyl.	Dimension (mm)				Dry Mass (ton)	
		A	B ₁₎	C ₁₎	H	Engine ₂₎	GenSet _{1),3)}
600 rpm	12	12,511	4,425	16,936	7,717	303.0	390.8
	14	13,661	4,377	18,038	7,717	334.8	431.2
	16	15,086	4,562	19,648	8,013	373.2	479.5
	18	16,236	4,732	20,968	8,013	404.6	521.4



Remarks

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

D: Min. distance between engines 7,000 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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