

Dual Fuel Generator Sets

H54DFV I Bore: 540 mm, Stroke: 600 mm

Main Data

Speed Frequency	600 rpm 60 Hz		600 rpm 50 Hz	
	Eng. (kW)	Gen. (kW)	Eng. (kW)	Gen. (kW)
12H54DFV TSTC ¹⁾	16,800	16,380	16,800	16,380
14H54DFV TSTC	19,600	19,110	19,600	19,110
16H54DFV TSTC	22,400	21,840	22,400	21,840

Based on alternator efficiency of 97.5 %.

1) TSTC : Two Stage Turbo Charger

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

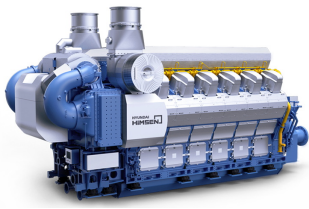
2) Main fuel oil based on marine diesel oil, LCV(Lower Calorific Value) 42,700kJ/kg

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

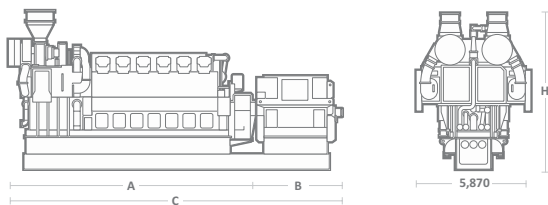
Specific Lubricating Oil Consumption

Lub. Oil: 0.5 g/kWh



Dimension & Weight

	Dimension (mm)				Dry mass (ton)	
	A	B	C	H	Engine	GenSet
12H54DFV TSTC	12,511	4,638	17,149	7,994	303.0	391.0
14H54DFV TSTC	13,661	4,582	18,243	7,994	335.0	431.0
16H54DFV TSTC	15,086	4,757	19,843	8,383	373.0	480.0



Remarks

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

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



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