

# Dual Fuel Generator Sets

H27DF I Bore: 270 mm, Stroke: 330 mm

## Main Data

Speed	900 rpm		1000 rpm	
Frequency	60 Hz		50 Hz	
	Eng. (kW)	Gen. (kW)	Eng. (kW)	Gen. (kW)
6H27DF	1,710	1,624	1,860	1,767
7H27DF	1,995	1,905	2,170	2,072
8H27DF	2,280	2,177	2,480	2,368
9H27DF	2,565	2,462	2,790	2,678

Based on alternator efficiency of 95~96 %.

## Heat Rate & SFOC (100% Load)

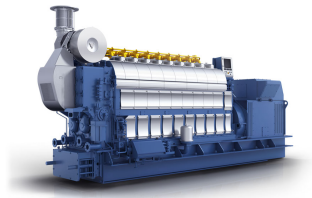
Speed	900 rpm	1000 rpm
Heat Rate@Gas mode	7,729 kJ/kWh	7,729 kJ/kWh
SFOC@Diesel mode	186 g/kWh	186 g/kWh

\*) 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/Nm<sup>3</sup>, methane number Min. 80
- 4) NOx Emission limitation : IMO Tier II on Diesel mode, IMO Tier III on Gas mode

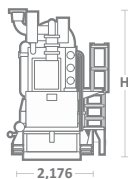
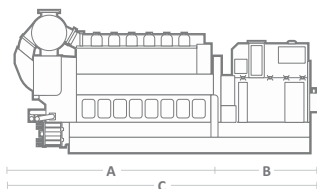
## Specific Lubricating Oil Consumption

Lub. Oil: 0.6 g/kWh



## Dimension & Weight

	Dimension (mm)				Dry mass (ton)	
	A	B	C	H	Engine	GenSet
6H27DF	4,414	2,262	6,676	2,835	21.2	30.8
7H27DF	4,794	2,262	7,056	3,241	23.5	34.9
8H27DF	5,311	2,340	7,651	3,371	25.1	40.5
9H27DF	5,691	2,490	8,181	3,371	27.2	46.0



### 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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