

# Marine Offshore Gensets

**H21C | Bore: 210 mm, Stroke: 330 mm**

## Main Data

Speed	900 rpm		1000 rpm	
Frequency	60 Hz		50 Hz	
	Eng.kW	Gen.kW	Eng.kW	Gen.kW
5H21C	1,200	1,140	1,200	1,140
6H21C	1,440	1,368	1,440	1,368
7H21C	1,680	1,596	1,680	1,596
8H21C	1,920	1,824	1,920	1,824
9H21C	2,160	2,052	2,160	2,052

Based on alternator efficiency of 94 ~ 95 %.

## Specific Fuel Oil Consumption

Load	900 rpm	1000 rpm
85 %	180 g/kWh	182 g/kWh

\*) Note :

- 1) Reference condition based on ISO 3046/1
- 2) Fuel oil based on LCV(Lower Calorific Value) 42,700kJ/kg
- 3) NOx Emission limitation : IMO Tier II

## Specific Lubricating Oil Consumption

Lub. Oil: 0.5 g/kWh

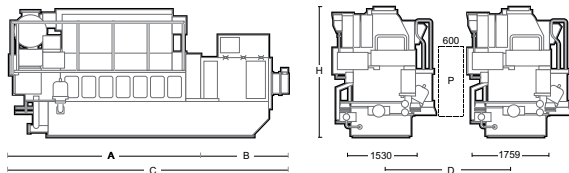
Sloc	900 rpm	1000 rpm
Lab. Oil	0.5 g/kWh	0.5 g/kWh



## Tier II, Tier III (with SCR)

### Dimensions

Speed	cyl.	Dimension (mm)				Dry Mass (ton)	
		A	B <sub>1)</sub>	C <sub>1)</sub>	H	Engine <sub>2)</sub>	GenSet <sub>1,3)</sub>
900 / 1000 rpm	5	3,735	2,249	5,984	2,600	14.3	22.1
	6	4,085	2,249	6,334	2,600	16.0	24.9
	7	4,435	2,305	6,740	2,600	17.8	28.3
	8	4,785	2,305	7,090	2,653	19.4	30.2
	9	5,135	2,450	7,585	2,653	21.0	33.6



### 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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