

Marine Propulsion System

H35DFP

Tier II, Tier III

Bore: 350 mm, Stroke: 400 mm

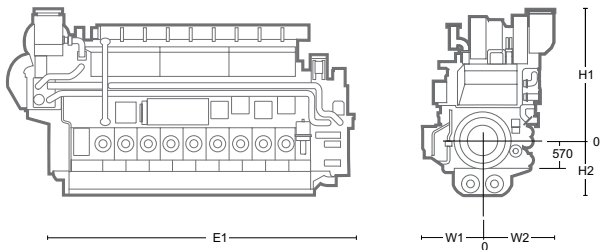
Controllable Pitch Propeller

Permit high skew angles to minimize noise and vibration.

Dimensions

750 rpm	cyl.	Rated Output at Engine (kW)	Engine dimension (mm) & dry weight (ton)					Dry Weight
			E1	H1	H2	W1	W2	
	6	3,000	5,007	2,381	1,170	1,304	1,373	39.2
	7	3,500	5,497	2,473	1,170	1,304	1,430	44.9
	8	4,000	6,009	2,799	1,170	1,304	1,490	48.0
	9	4,500	6,477	2,799	1,170	1,304	1,490	51.5

E1 : Dimension between eng. flywheel to eng. free end.



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Heat Rate & SFOC (100% Load)

Load	100%	85%
Heat Rate@Gas mode	7,270 kJ/kWh	
SFOC@Diesel mode	185 g/kWh	184 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) Tolerance +5% and without engine driven pumps
- 5) NOx Emission limitation : IMO Tier II on Diesel mode, IMO Tier III on Gas mode

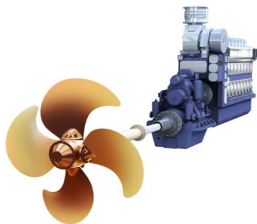
#) Based on the CPP Constant speed operation
(For FPP : Please contact HHI EMD)

Specific Lubricating Oil Consumption

Lub. Oil: 0.4 g/kWh

Application

- Controllable pitch propulsion
- Fixed pitch propulsion
- Azimuth thruster propulsion
- Pump drive



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