

# Marine Propulsion System

## H54DFP

Tier II, Tier III

**Bore: 540 mm, Stroke: 600 mm**

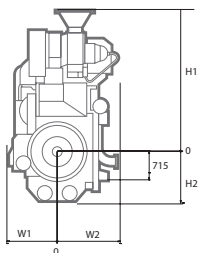
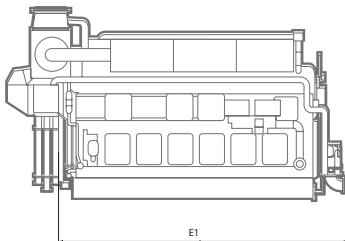
Controllable Pitch Propeller

Permit high skew angles to minimize noise and vibration.

### Dimensions

600 rpm	cyl.	Rated Output at Engine (kW)	Engine dimension (mm) & dry weight (ton)					Dry Weight
			E1	H1	H2	W1	W2	
	6	8,820	8,484	4,249	1,464	1,512	1,669	133
	7	10,290	9,424	4,249	1,464	1,512	1,669	151
	8	11,760	10,365	4,832	1,464	1,520	1,784	173
	9	13,230	11,305	4,832	1,464	1,520	1,784	191

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



# Marine Propulsion System

## H54DFP

### Heat Rate & SFOC (100% Load)

Load	100%	85%
Heat Rate@Gas mode	7,108 kJ/kWh	
SFOC@Diesel mode	175 g/kWh	175 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) Tolerance +5% and without engine driven pumps
- 5) NOx Emission limitation : IMO Tier II on Diesel mode, IMO Tier III on Gas mode

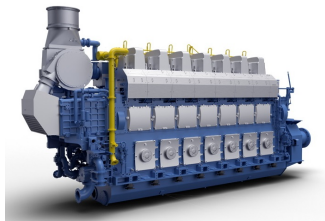
#) Based on the CPP Constant speed operation  
(For FPP : Please contact HHI EMD)

### Specific Lubricating Oil Consumption

Lub. Oil: 0.5 g/kWh

### Application

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



SOAR POWER GROUP  
[Http://www.soarpower.com](http://www.soarpower.com)  
E-mail: [sale@soarpower.com](mailto:sale@soarpower.com)  
Hotline: +86-4008111308