Marine Propulsion System

H22CDFP

Tier II, Tier III

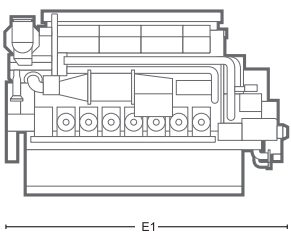
Bore: 220 mm, Stroke: 330 mm

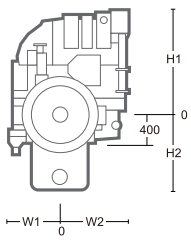
Controllable Pitch Propeller
Permit high skew angles to minimize noise and vibration.

Dimensions

1000 rpm	cyl.	Rated Output at Engine (kW)	Engine dimension (mm) & dry weight (ton)					
			E1	H1	H2	W1	W2	Dry Weight
	5	1,100	3,719	1,822	1,145	737	1,015	16.0
	6	1,320	4,069	1,822	1,145	737	1,060	18.0
	7	1,540	4,419	1,822	1,145	737	1,060	20.0
	8	1,760	4,769	1,822	1,145	737	1,150	22.0
	9	1,980	5,119	1,822	1,145	737	1,150	24.0

E1 : Dimension between eng. flywheel to eng. free end.
In case of dry sump, the weight and height will be reduced.





Marine Propulsion System

H22CDFP

Heat Rate & SFOC (100% Load)

Load	100%	85%
Heat Rate@Gas mode	8,172 kJ/kWh	
SFOC@Diesel mode	193 g/kWh	196 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^3 , 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

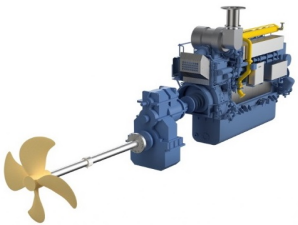
#) Based on the CPP Constant speed operation
(For FPP : Please contact HHI EMD)

Specific Lubricating Oil Consumption

Lub. Oil: 0.5 g/kWh

Application

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



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