

# Marine Propulsion System

**H46/60VP**

**Tier II, Tier III (with SCR)**

**Bore: 460 mm, Stroke: 600 mm**

**Controllable Pitch Propeller**

Permit high skew angles to minimize noise and vibration.

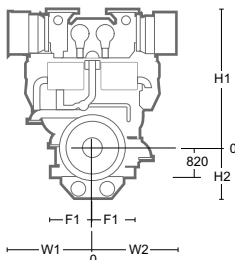
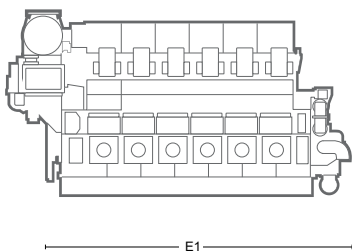
**Fixed Pitch Propeller**

Guarantee optimum thrust, minimal noise and vibration level.

## Dimensions

600 rpm	cyl.	Rated Output at Engine (kW)	Engine dimension (mm) & dry weight (ton)					Dry Weight
			E1	H1	H2	F1	W1	
	12	15,000	8,458	3,906	1,408	1,100	2,359	198
	16	20,000	10,458	4,006	1,408	1,100	2,607	251
	18	22,500	11,458	4,006	1,408	1,100	2,688	275

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



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### Specific Fuel Oil Consumption

Load	600 rpm
SFOC at 100% MCR	177 g/kWh
SFOC at 85% MCR	175 g/kWh

\*) Note :

- 1) Reference condition based on ISO 3046/1
- 2) Fuel oil based on LCV(Lower Calorific Value) 42,700kJ/kg
- 3) Tolerance +5% and without engine driven pumps
- 4) NOx Emission limitation : IMO Tier II

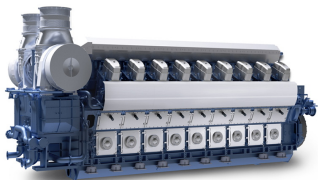
#) Based on the CPP Constant speed operation (For FPP : Please contact us)

### Specific Lubricating Oil Consumption

Lub. Oil: 0.6 g/kWh

### Application

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



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