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# YANMAR POWER TECHNOLOGY CO.,LTD.

<https://www.yanmar.com/global/marinecommercial/>

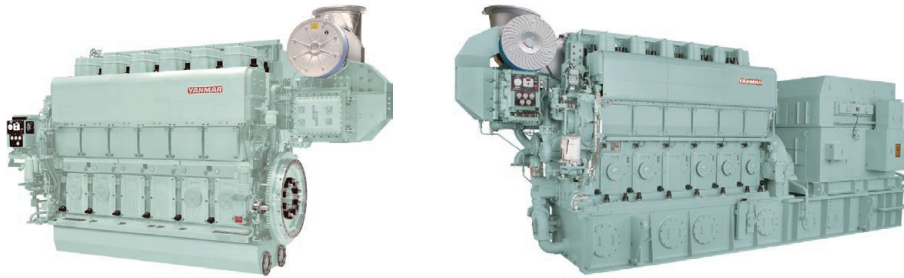
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AHTS	PSV	FPSO	Drill Ship	Semi-sub
▶	▶	▶	▶	▶

## Product

### Marine propulsion and auxiliary diesel engines Type EY33



Engine model	Propulsion Engine		Auxiliary Engine	
	6EY33W	8EY33W	6EY33LW	8EY33LW
Type	Vertical water-cooled 4-cycle diesel engine			
No. of cylinders	6	8	6	8
Cylinder bore×stroke	mm 330 x 440			
Continuous rated output	2500-3360	3600-4500	2400-3600	4000-4800
Engine speed	min-1 750		720 / 750	
Mean effective pressure	1.77-2.38	1.91-2.39	1.70-2.48	1.91-2.49
Generator capacity	-	-	2250-3200	3350-4300
Combustion system	Direct-injection			
Starting system	Compressed Air Starting			
Engine dry mass	kg 39100	50900	38500	50900

### Clean and Flexible Power YANMAR Gives you the BEST of Power Solutions

#### High Efficiency and High Performance

- The latest simulation analysis technology has achieved optimum combustion matching.
- The dynamic analysis technology of major moving parts has achieved the optimization of bearing shape to reduce mechanical loss.

#### High Reliability and High Durability

- The enhanced high pressure fuel injection achieves the atomization of spray to reduce combustion residue.
- The engine optimizes the temperature on the cylinder head combustion surface to restrain combustion to residual accumulation.
- The engine utilizes an exhaust valve made of Nimonic applied with a special filling to improve the erosion resistance of the mating surface.

- Special chromium plating is applied to the piston ring, and special honing to the cylinder liners to optimize lubrication of the sliding surfaces.
- The engine utilizes a two-stage air cooler to improve combustion during the HFO low load operation by heating of air supply.

#### Improvement of Installation and Maintainability

- The arrangement of piping connection with the exterior is isolated at the front side of the engine.
- The engine is equipped as standard with a lubricating oil strainer, lubricating oil cooler and cooling water thermostat.
- The engine is equipped with an engine control panel, operation panel and lubricating oil priming pump panel.
- The engine equipped with a cooling water pre-heating device (optional).
- The engine utilizes an integrated structure for the air cooler, lub. oil cooler etc. to reduce the part count.
- The major bolts adopt a hydraulic tightening method for easy assembly and disassembly.

#### Environmental Load Reduction

- The engine has reduced NOx emissions and improved fuel efficiency through the adoption of the Yanmar original innovated combustion method and high-pressure mirror cycle system.
- The engine achieves optimum matching through the Yanmar SCR system in compliance with NOx tier 3 regulations adopted by the international Maritime Organization (IMO).

### After-sales service

Yanmar is proud of the reliability of its diesel engines and we know the importance of the availability of replacement parts for keeping an engine as good as new.

To make us sure that our users get the replacement parts they want when they need them, Yanmar has established a worldwide service network with representative strategically located in each of the key market areas. They are there to help you.

ASIA : 30spot / MIDDLE EAST : 5spot / OCEANIA : 5spot / EUROPE : 10spot

AFRICA : 1spot / NORTH AMERICA : 7spot / SOUTH AMERICA : 2spot

#### Certifications / Applicable rules

ISO 9001	ISO 14001	NK	ABS	LR	DNV GL	RINA	BV	KR	CCS
IRS	RS								