YANMAR, Providing Quality Propulsion Engine Packages for Over 60 Years.

For Harmonious Living with Global Environment

Normally, when NOx emissions are reduced, the fuel consumption and smoke generation will increase, adversely affecting both the environment and management. As a solution to this, YANMAR has developed 'Eco Diesel', which is designed so as to comply with marine environmental protection. It improves the fuel consumption and smoke generation in addition to reducing NOx emissions.

Performance

165 mm long stroke 14 liter diesel with 24 valves, the high performance small twin turbo, less turbo lag, and better mixing at low rate and the silicone high efficiency intercooler.

High Torque

Excellent Torque-Rise Characteristics in High Speed and High Load Range Enable Stable Performance of Job Duties even at High Load

The Engine Performance Gives Following Advantages:
1. The engine torque-rise characteristics having much in reserve. (Line A) --especially, creating with boost speed reduction against sudden load changes.
2. Wide Max. Power Range. (Line B) --A wide range propeller matching, from the passenger ship (8000tdisplacement) to tug boat (200tdisplacement), is possible.
3. Min. Fuel Consumption Range is Wide. (Line C) --Economical with wide min. fuel consumption range both during cruising or performing job duties. "0% to 55% Fuel Oil Consumption"
4. Wide Medium Load Range. (Line D) --Produces stable engine performance even during other job duties.

Toughness

1. Low, stable LCG (Lubricating Oil Consumption) and long overhaul interval, thanks to utilizing treatment cylinder liner and nitrided stainless steel rings of the finely judged clearance between piston and bore. No cylinder kit replacement concept in YANMAR overhaul manual.
2. Purpose built marine engines with high stroke, optimized lightweight, water cooled exhaust manifold and special treatment injection nozzle.
3. Type Approved by Class Societies. **
   ** EMBT is a surface treatment process used to improve the performance of exhaust gas turbocharger (EGT) by improving the engine's fuel consumption and output.

Lower Down Time

Easier Routine Inspection, Easier Maintenance.

Large inspection windows on the side of the block allow routine replacement of pistons. Lubrication is easy-to-extension cartridge type. Full mechanical engine management avoids the chance of electrical and expensive electronics failing in hot marine engine room conditions. 500 hours service interval.

High capacity front PTO

YANMAR original marine gear that can be adapted to a wide range of applications

YANMAR provides its original gearbox, which enables us to supply total marine engineering & servicing to customers!

- High-Performance Marine Gear
- Easier Maintenance

The 3-part structure of the case enables the forward and reverse shaft to be disassembled and reassembled while still installed on the boat. In addition, a cartridge system is now used for the LCO, filter, and accessories.

- Optional Fixed Drive 5X type
- Propeller shaft half coupling (cruiser range) supplied as standard.

YANMAR original rubber mounts (option)