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

**Performance**

Good Fuel Economy together with Lower Emissions

The micro-sized multiple holes in the all-new injectors produce an even finer fuel-to-air mixture, and combined with new accurately matched combustion chambers and new cylinder head shapes, produce even more power. It is power delivered smoothly, due to optimum combustion conditions being maintained across a far wider operating range. And it leads directly to the bonus of lower exhaust emissions and lower fuel consumption. The boost compensator dramatically reduces back-ads under hard acceleration.

400hp (284kW) at 2500rpm in the M operating mode / 360hp (265kW) at 2400rpm in the H operating mode

**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.
   - Stable output with boost speed reduction against sudden load changes.
2. Wide Max. Power Range. (Line A)
   - A wide range propeller matching, from the passenger ship (light) to medium duty to large duty, is possible.
3. Max. Fuel Consumption Range is Wide. (Line B)
   - Economical with wide min. fuel consumption range both during cruising or performing job duties.
4. Wide Medium Load Range. (Line C)
   - Produces stable engine performance even doing other duty jobs,

**Toughness**

Purpose built marine engine with replaceable cylinder liners, water cooled exhaust manifold and type approved.

The fatigue strength of pistons+pin+crank is improved by using the bushs.

The fatigue strength against cylinder pressure & torsional vibration is improved by raising the pin diameter.

**Lower Down Time**

Easier Routine Inspection, Easier Maintenance.

Large inspection windows on the side of the block allow inside replacement of pistons. Lion Oil filter is easy-to-change cartridge type. Full mechanical engine management avoids the chances of defective and expensive electronic failure in hot, marine engine room conditions, 500 hours service interval.

**High capacity front PTO**

PTO can be driven without over speed bearing in PTO shaft even at high speed PTO.

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

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

- High-Performance Marine Gear
  - YANMAR's original marine gear is designed to draw out best performance of YANMAR engine.
- Cast Iron Gear Case (Applied to YK75)
  - For heavy duty applications.
- Damping of Fluctuating Torque
  - High-performance coupling reduces the fluctuating torque that is equal to the marine gear. They reduce rattling and prevent torsional vibration to extend the power transmission parts,
- Accessories
  - Optional Ventilating Device.

**YANMAR original rubber mounts (option)**

1. Guide rail fitting
2. Drive side fitting
3. Rubber
4. Intermediate board

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