

NEW 6LY3 ELECTRONIC CONTROL DIESEL



YANMAR MARINE has produced 3 new engines, the first of a completely new electronic control diesel engine range:

- 6LY3-UTP (380 bhp / 279 kW)
- 6LY3-STP (440 bhp / 324 kW)
- 6LY3-ETP (480 bhp / 353 kW)

The 6LY3 will make its French debut, presented by Fenwick, at the Salon Nautique de Paris in december 2006.

The 6LY3 engines have been completely re-designed with 6 cylinders in line and 4 valves per cylinder. They have a waste gate turbo and intercooler, providing 380 hp, 440 hp and 480 hp at 3,300 rpm. They comply with ISO 8665 and the future EPA Tier 2 standards.

The new engine are lighter than their competitors in their power class. They have a higher power to weight ratio. They are almost as small as a 300 hp engine, making them the most compact engines on the market.

The electronic control offers constant power regulation – regardless of temperatures up to 50°C – and synchronises the engine speeds of twin and triple installations. The electronic high pressure injection regulator gives high torque while significantly reducing fuel consumption. There is considerably less noise at idle and a reduction in smoke (including white smoke at start up) as well as fuel smells.

The engine parameters are displayed on a multi-function screen. The factory set YANMAR LCD displays a great deal of information while the engine is running, including engine load rate, engine hours, battery charge, coolant temperature, fuel consumption, fuel level (if the appropriate optional gauge is fitted) and oil pressure. The boat data can also be accessed.

A new transmission range was developed specially for these electronically controlled engines. These KMH Kanzaki hydraulic transmissions available as standard, have an

electric trolling valve that provides exceptional manoeuvrability. They are 20% more compact and about 20% lighter than the competition.

SPECIFICATIONS

6LY3-ETP 480 BHP (353 KW) @ 3,300 RPM

6LY3-STP 440 BHP (324 KW) @ 3,300 RPM

6LY3-UTP 380 BHP (279 KW) @ 3,300 RPM

- Turbo, water cooled, 6 cylinder in line (4 valves per cylinder) / direct injection
- Squish Lip combustion chamber
- Compression ratio: 17.2
- Valves per cylinder: 2 inlet, 2 exhaust
- Travel x bore: 105.9mm x 110 mm
- Cylinders: 5,813 litres
- Injection pump: YPES-6AL2 optimised
- Electronic controls
- Water cooling
- Automatic lubrication
- Rotation: anti-clockwise viewed from the stern-
- L x w x h: 1300 x 801 x 777 mm (without gearbox)
- Weight: 640 kg (without gearbox)
- Standards: EPA Tier 2, SAV/BSO Tier 2, RCD, IMO