



The OXE Diesel is the world's first high performance diesel outboard engine built and designed for the demanding commercial user. It is designed for those who use their boat every day no matter the conditions. Endurance, Reliability, Power and Control – all significant attributes of the OXE Diesel.

OXEMARINE
ENGINEERING THE FUTURE

OXE Marine AB (Publ)
Hortensigatan 6, SE - 256 68 Helsingborg, SWEDEN
info@oxemarine.com, www.oxemarine.com

OXE
DIESEL



OXE DIESEL 300 HP OUTBOARD

www.oxemarine.com

OXE DIESEL 300 HP OUTBOARD

Based on performance tests, the **OXE300 consumes up to 44% less fuel** compared to a 300 hp gasoline fueled outboard. This significant reduction in fuel consumption in combination with a highly efficient power head leads to a significant reduced environmental impact.

Carbon dioxide emission is reduced by more than 35%, carbon monoxide by more than 99% and combined hydrocarbons and NO_x by more than 70%.

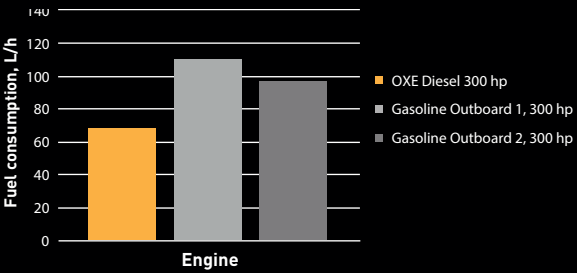
To meet commercial customers' demands, the OXE Diesel was designed with ease of maintenance and service in mind. All service access points for daily maintenance checks are located in the front of the engine. This makes **service and maintenance as easy and straight forward** as possible, even in the harshest of conditions.

The **modular design** makes it possible to approach service and maintenance in a flexible way, as entire modules can be swapped out and serviced on land, hence **keeping operational runtimes up**. It is proven that user friendliness and easily accessible service points increase the likelihood for well-maintained products.

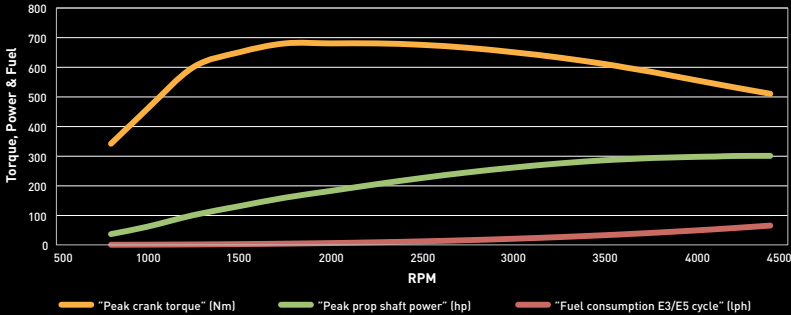


The majority of OXE Diesel users are commercial operators, they expect their engines to run 1000+ hours every year, This usually means **a break even period for the OXE Diesel compared to a pleasure craft outboard of well under a year**. The 44% lower fuel consumption results in significant savings for commercial operators. Not only does the OXE300 reduce operational cost and increase user safety, it also **increases the operational range by more than 60%**, allowing users to go further and become more productive.

FUEL CONSUMPTION WOT



OXE300 TORQUE / POWER / FUEL CONSUMPTION



TECHNICAL DATA – OXE300

Engine type:	Diesel, L6 Bi-turbo	Alternator output:	180 Amp
Displacement:	3.0 L	Rig length:	25" or 33"
Intake:	Turbocharged, intercooled	Cooling:	Closed cooling circuit
Torque:	680 Nm at 1750 rpm	Starting:	Electric
Power:	300 hp at 4200 - 4400 rpm	Steering options:	Hydraulic, EPS and Joystick
Fuel:	Diesel	Shift:	CANbus, Electro-hydraulic
	EN 590, ASTM D 975 No.1	Clutch:	Hydraulic multi-friction plate
	No.2. JIS KK2204, F54 & F75	Gear ratios:	1.39:1
Weight:	395 kg	Dimensions L x H x W:	1150 mm x 2090/2290* mm x 700 mm

*XL/XX

THE OXE300 – A COMPARISON



COMPARING AN OXE TO A PLEASURE CRAFT PRODUCT

The traditional gasoline outboards are designed for the leisure market. In stark contrast, the **OXE Diesel combines the reliability and endurance of marine inboards with the flexibility and agility of outboard engines**, offering unprecedented efficiency, range, torque and maneuverability. These are some of the features that make OXE Diesel the world's first high performance diesel outboard engine built and designed for the demanding commercial user. **Endurance, Reliability, Power and Control is key.**

The OXE300 is a Bi-turbo configuration that provides its full 680 Nm of torque at the crankshaft already at 1750 rpm, at 1000 rpm the engine provides over 500 Nm at the crankshaft. These are torque numbers that were previously unheard of in the outboard industry and provides the user with massive bollard pulling power, as well as fast whole shot acceleration. A traditional leisure craft outboard with regular bevel gears and an under water gearbox is not built to withstand this.

The **L6 Bi-turbo engine** and the specially designed gearbox of the OXE300 was tested in the laboratory, in DYNO-cell and on water, to withstand the increased torque and power delivered. Perfect for pushing, pulling or carrying heavy loads over long periods of time.

Due to the unique gearbox design (gear ratio 1.39:1), high torque output can be delivered already at very low rpm on the propeller shaft, OXE products can therefore **handle larger propeller dimensions, providing operators with increased flexibility**. The low speed control, enabled by the gearbox, makes it possible for the user to remain in control also in low speed maneuvers. Ideal for precision maneuvering close to marine installation or

other vessels such as windfarms, on water construction sites, marine survey operations and providing supply to boats.

The break-even operational time period when comparing an OXE300 to a 300 hp pleasure craft gasoline outboard varies between a mere 500 to 1000 hours, if based solely on the purchase price and the fuel cost. Taking the longer operational lifespan of the OXE300 into account, less cost for maintenance and increased operational safety, this break-even period can be significantly further reduced.

The robust, state-of-the-art design gives the OXE Diesel system an operational profile far wider than that of a traditional outboards or I/O system. The OXE Diesel is chosen for factors such as its safety, operational range, increased maneuverability and high alternator output (up to 180 amp) to name a handful. The alternator is capable of powering for example a cabin heater or an air conditioner.



The service interval of 200 hours for the first service and 800 hours for the second service is **a testament to the reliability of the system**. An extended service is done after each 2000 hours. This can be compared with a leisure outboard which is typically designed to last no more than 380 hours, which is in line with the CE regulations.