

The logo features a stylized orange shield-like symbol on the left, composed of three vertical bars and a top horizontal bar. To its right, the word "OXE" is written in a large, white, bold, sans-serif font, with "DIESEL" in a smaller, white, bold, sans-serif font directly below it.

OXE DIESEL

OXE **DIESEL** OUTBOARD

The Proteum logo consists of the word "PROTEUM" in a white, bold, sans-serif font, with a white curved line arching over the letters "P" and "R".

PROTEUM

proteum.co.uk

PERFORMANCE, EFFICIENCY, RELIABILITY

OXE Diesel engines are engineered to achieve optimal efficiency and reliability. This design empowers operators to navigate their journeys with complete confidence in their vessel.



OXE Marine, the manufacturer behind the engine, started this project with the mission to design the first high output diesel outboard. The keywords were performance, efficiency and reliability. These words are now embedded within the OXE Diesel.

The OXE (300hp, 250hp and 225hp) is the world's most popular high-performance diesel outboard in production. It combines the reliability and efficiency of marine inboards with the flexibility and agility of outboard engines. Complies with EPA, IMO Tier II and RCD emissions regulations. It is designed and built for commercial users according to commercial user demands.

The patented belt drive technology has enabled OXE Marine to design a robust drive unit that will efficiently transfer high torque diesel power from the powerhead to the propeller through a heavy-duty gear box.

OXE Diesel offers an efficient and safe solution for: government, offshore renewables, commercial applications, USV, survey, tourism, yacht tender, taxi and pilot operations.

FEATURES

- Diesel engine
- Low speed control
- Fuel economy
- CAN based helm control system
- Dual helm capacity
- Joystick capability
- Robust modular design
- Low drag propulsion housing
- Quick shift capable
- Closed cooling circuit

HORSEPOWER OPTIONS

- 300hp
- 250hp
- 225hp

OXE DIESEL OUTBOARDS

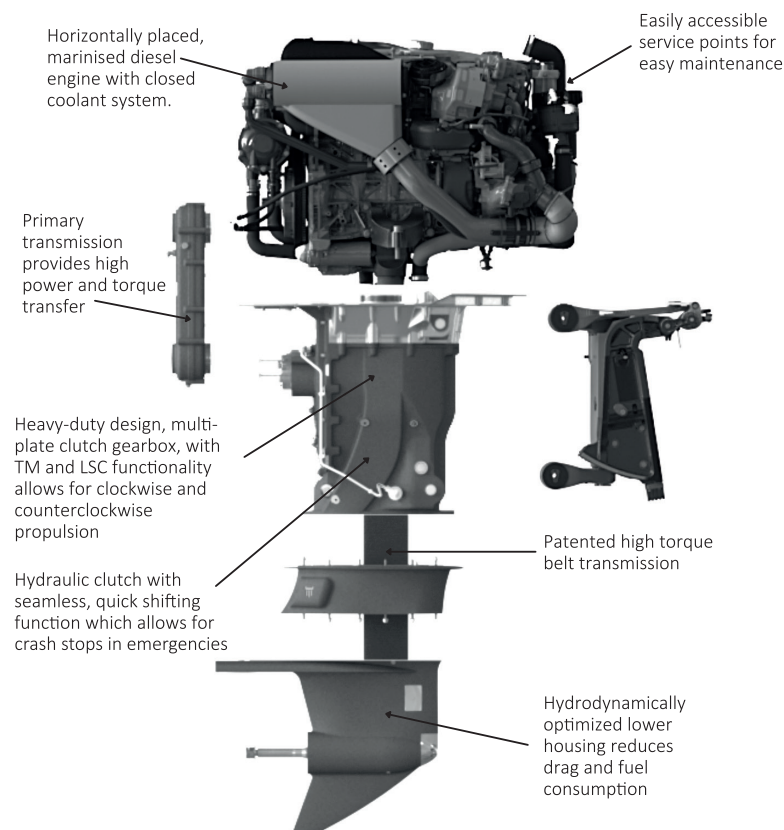
The OXE Diesel outboards combine the reliability of an inboard with the flexibility of an outboard.

A more environmentally friendly solution, the OXE Diesels offers increased serviceability, longer lifespan, lower emissions and fuel consumption. Operational range is increased by over 60%, compared to a gasoline outboard. All OXE Diesel outboards are certified in compliance with regulations set forth in EPA TIER III, IMO TIER II (MARPOL VI TIER 2), RCD, and CCS.



OXE300

The OXE300 is a bi-turbo configuration that provides 680Nm of torque at the crankshaft at 1750 rpm, at 1000 rpm the engine provides over 500Nm at the crankshaft.



JET-TECH

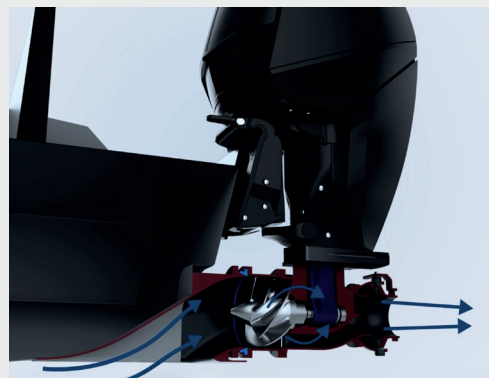
Available now with water-jet propulsion the **Jet-Tech** has been especially developed to capture all the torque produced by the powerful diesel engine.



Developed to utilise the high torque of OXE outboard engines, Jet-Tech technology delivers 100% of engine horsepower as water jet propulsion.

A waterjet substitutes the propeller, eliminating the risk of the propeller hitting rocks, the ocean floor or injuring animals or humans swimming close to the boat.

- **Forward-facing impeller:** allows performance equal to or better than a standard propeller.
- **High torque:** retains the high torque produced by the patented OXE Diesel belt drive.

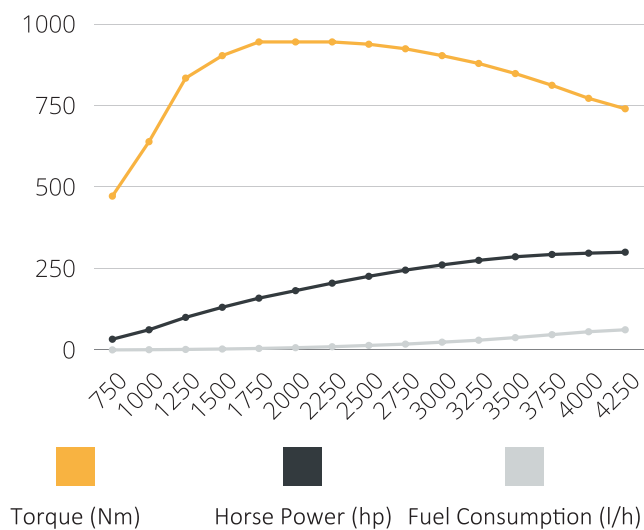


TECHNICAL SPECIFICATION

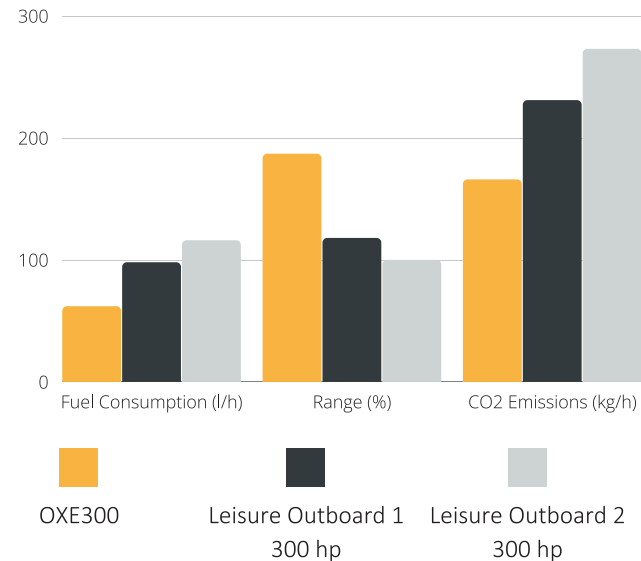
OXE300	
Engine type:	Diesel engine, L6. Block built by BMW
Displacement:	3.0 L
Intake:	Turbocharged, intercooled
Torque:	680 Nm at 1750 rpm
Power:	300 HP at 4200- 4400 rpm
Fuel:	Diesel EN 590, ASTM D 975 No.1 No.2. JIS KK2204, F54 and F75, biofuels: HVO100 and B7
Weight:	25" 430 kg (947 lb), 33" 435 kg (959 lb)
Alternator output:	180 Amp
Rig length:	25" or 33"
Cooling:	Closed cooling circuit
Starting:	Electric
Steering:	Hydraulic, Electronic Power Steering, Joystick
Shift:	CANbus, Electro-hydraulic
Clutch:	Hydraulic multi-friction plate
Gear ratios:	1.39:1
Dimensions (25" leg)	L1150 H2090 W700 (mm)

SERVICE INTERVAL: 200 HRS/800 HRS

Performance



Consumption, Range and Emissions



TESTIMONIALS

"The OXE is faultless; the smoothness, power, and thrust of the engines are amazing. We can achieve speeds of 20 knots in a boat that weighs in excess of ten tonnes. The OXE's excellent fuel economy shows with all three engines running to their maximum, we have a fuel burn of 90 litres per hour, which is phenomenal."

Tony Kortens, MD of Landing Craft UK Ltd

"We feel that the OXE engine is a durable commercial solution, which is absolutely what went for our application. We had some teething issues in the early days that we've worked very closely with Proteum and OXE to find solutions to, and we now have the bespoke offshore wind version of the OXE 300, which is far, far better for our application and we're very excited to work closely with OXE and Proteum to find these solutions."

Peter Mantripp, Vessel Support Manager & SOV DC Operations Manager, North Star South Limited.

"...One of the issues we've got is accessibility of fuel. Petrol is extremely difficult to find and involves trips up to local filling stations, whereas diesel is easily accessible on the east coast. So, it made sense that we got an engine that we could regularly fuel, and we were looking at something that would give us the range along the east coast. OXE engines, I think, are powerful. They're an innovative design. There's not many diesel engines on the market, so we're going to be keen to work with OXE and obviously trial these on our new patrol boat."

John Butler, Deputy Chief Officer at East Intershore Fisheries and Conservation.

"I've been really impressed by the OXE outboard... it's been super quiet, which I've been really surprised by... nice and quiet, a really smooth power delivery. That it runs on diesel is a massive win."

Stefan, Focus Marine.

"The OXE was great. It was a nice smooth ride. I was quite impressed by how quiet the diesel engine was. ...it was really 'torquey', really smooth, and overall quite quiet and pleasant."

Michael Gibbon, Head of Sales at Heather Marine Services.

"I think the OXE Diesel is great. It offers a lot of fuel savings compared to traditional petrol engines. I think that's really great for the sector."

Jun Wei, FT Engineering.

"We looked at creating a new, innovative, high-performance daughter craft and part of the great involvement we did with the design work at Chartwell was to ensure that we had redundancy in field. The outboards and their efficiency, noise and vibration were the reason we went down that route. We worked with Proteum to look at outboard options that were available in the market. The diesel outboard with the power, performance and efficiency and single fuel on board the mother ship made it an obvious choice for us. OXE with the ability to go through a belt drive and a dry clutch made it the real purpose uniform piece we wanted to use on the ship."

Andrew Duncan, Renewables Director at Northstar.

"We're here doing smart sensors on boats, using all sorts of technology. I'm very impressed by the OXE engine. It's very smooth, very powerful and yes, it's awesome."

Chris Woodrow, Cotland Engineering Services.

"...The OXE Diesel is incredibly smooth, very powerful and has great fuel efficiency. Surprisingly smooth."

Ben Metcalfe, Landau Marine.

WHY INVEST IN THE OXE DIESEL OUTBOARD?

Efficiency, reliability, extended range.



MAINTENANCE

Easily accessible service points and a modular design create a user-friendly outboard. The reliable automotive powerhead keeps costs of maintenance and requirement for spare parts to a minimum. The OXE engine benefits from longer service intervals which will minimise operational disruptions, increasing operations profitability and productivity.

SAFETY

Diesel is a less flammable fuel and therefore safer to work with in hazardous environments; it is also available in remote locations. Robust design and quick shift capability leads to safe operation in challenging conditions. The OXE Diesel is designed to be safe in any environment.

ENVIRONMENT

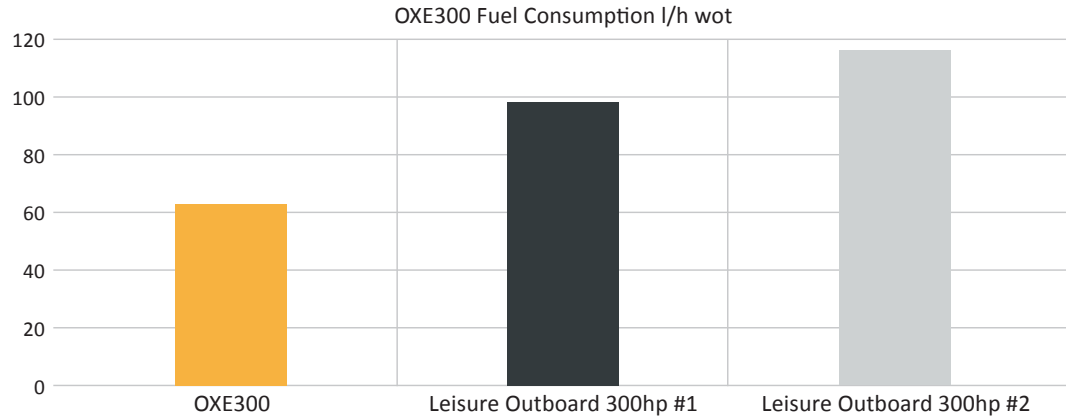
The use of highly refined, modern automotive-based engine technology significantly reduces fuel consumption by up to 40%, when operated using HVO100 biofuel this significantly reduces emissions minimising the impact on the environment. The emission levels are approved by EPA, IMO Tier II and RCD compliant.

RANGE

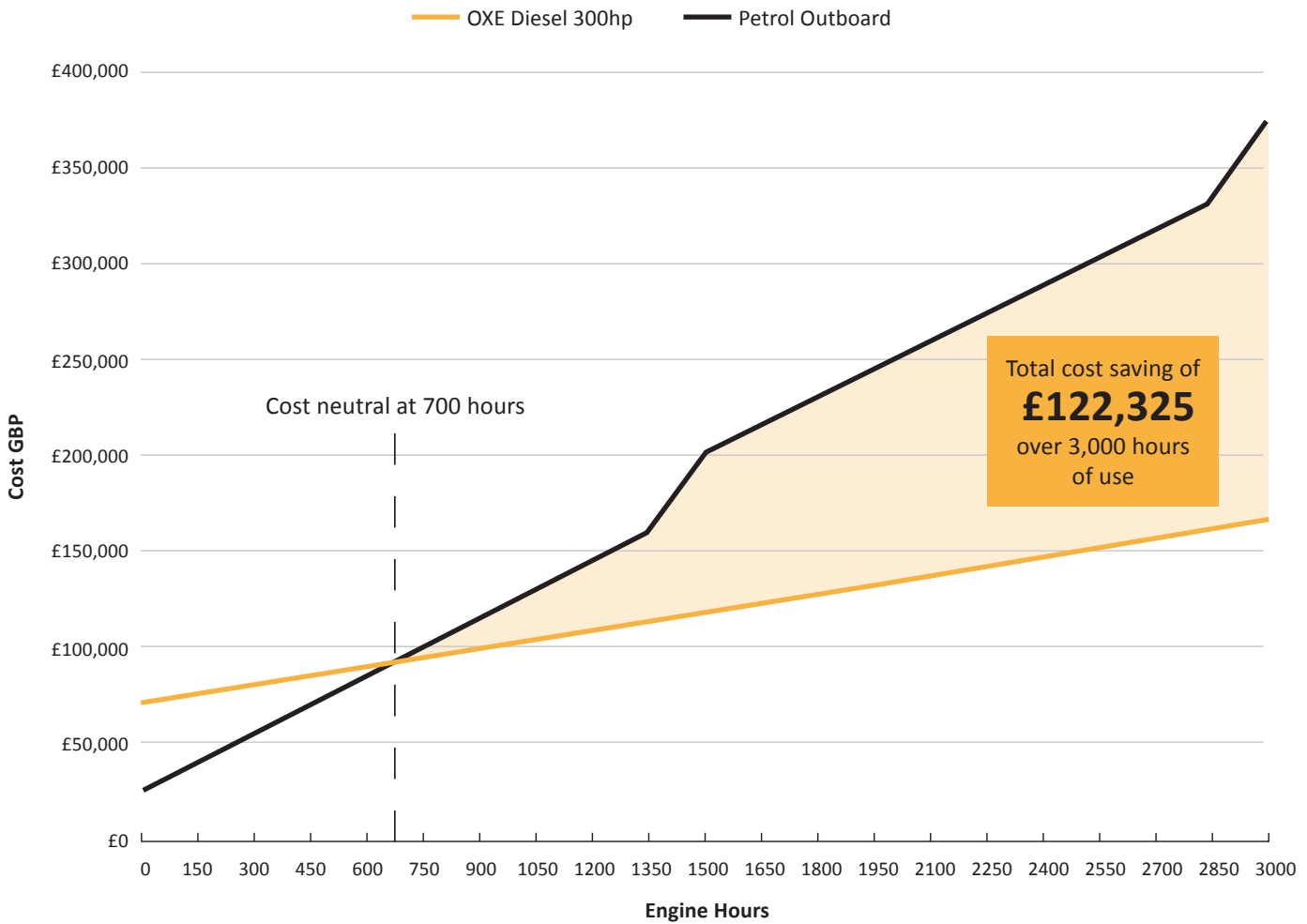
Due to significantly lower fuel consumption than a comparable modern outboard the OXE Diesel offers the market an unprecedented range. Enabling users to go further and refilling from other vessels or marine based platforms, increasing operational efficiency.

COST-EFFICIENT

Reduced fuel consumption leads to significantly increased range



Total cost of ownership OXE300 vs petrol



*Prices are exclusive of VAT. Based on manufacturers' service schedules and current retail price of parts. Based on current average fuel prices and manufacturers' published consumption figures. Prices are not guaranteed as applications will vary. Based on 3,000 hours. Prices current as of January 2025.



POWER IN PARTNERSHIP

ONLY PAY FOR
THE HOURS
YOU USE AND
NOTHING MORE!*

The only marine pay-by-the-hour solution.

Proteum understands that the initial cost of purchasing the OXE Marine diesel outboards can often be a barrier for customers. Therefore, with **Power in Partnership (PIP)**, customers can now enjoy all the benefits of the OXE diesel outboards without having to pay the initial upfront cost.

Power in Partnership is a partnership between Proteum and our customers where we work together to maximise uptime and minimise unexpected costs. Monitoring the engine via remote login and oil sampling at service intervals.

Power in Partnership is available for the 300hp / 250hp / 225hp engine range.

So, how exactly does Power in Partnership benefit you?

- A minimal initial cost to secure the engine, which is typically £7,500, followed by a manageable monthly payment plan.
- Pay for the hours that the engine is working as long as the minimum contracted hours are achieved (600 hours per year).
- Book routine services in advance, maximising operational efficiency of the engine and vessel.
- Receive all the benefits of the OXE diesel with minimum capital expenditure, and without incurring depreciation costs.
- A choice of three contract termination options: extension, purchase, or return the engine.
- Warranty, In-Service, and Support are available throughout the term of the partnership.

* As long as minimum contracted hours are achieved.

For more information, please contact simon.barnett@proteum.co.uk or call us on 02380 457656.



Office 5, Firefly Road, Hamble Point Marina, School Lane, Hamble-Le-Rice
Southampton, Hampshire, SO31 4NB, United Kingdom
T: +44 (0)23 8045 7656 | E: info@proteum.co.uk

proteum.co.uk