



COX

**Redefining standards in
marine propulsion**

CXO300
diesel v8

“...WITH THE LIDS OFF IT’S CLEAR WHAT A BRILLIANT JOB
COX HAS DONE WITH PACKAGING THESE ENGINES.”

LUCA D’AMBROSIO / YACHTING NEWS

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The CXO300 meets growing demand for a powerful diesel marine outboard

Designed for commercial and recreational use, the CXO300 is a new generation of diesel marine technology, offering a high-powered diesel outboard for the marine market. This is an innovative alternative to gasoline outboards and helps meet the increasing demand for outboard brought about by reasons of safety and convenience.

“Pleasantly quiet and free of diesel knock and exhaust smell, the CXO300 outboard meets Tier III emissions standards, established by the federal Environmental Protection Agency”

Jim Hendricks / Sport Fishing



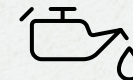
Power

224_{kW}
(300hp)



Torque

683_{Nm}
(503 lb-ft)



Fuel usage

30% less
Than a gas-powered
outboard engine



A head-turner designed and built specifically for marine use

The CXO300 diesel outboard is designed and built specifically for marine use and has premium attributes and aesthetics.



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Available in a choice of black or white, the eye-catching engine features bold lines and chrome accents. The external cowlings are manufactured by one of the world's leading premium carbon fibre production facilities and creates a premium quality finish, whilst ensuring durability.

The CXO300 has been developed to be compatible with existing industry standards, making it easy to install on a wide range of marine vessels.

Take a closer look at the CXO300's qualities

1

V8 4.4L Twin Turbo Engine

The CXO300 has twin turbos that generate significantly more torque at lower RPM and maintain this power across a variety of engine speeds.

2

Vertical crankshaft

The vertical crankshaft design allows for efficient packaging and direct drive of the transmission, providing closer transom spacing for multiple installations.

3

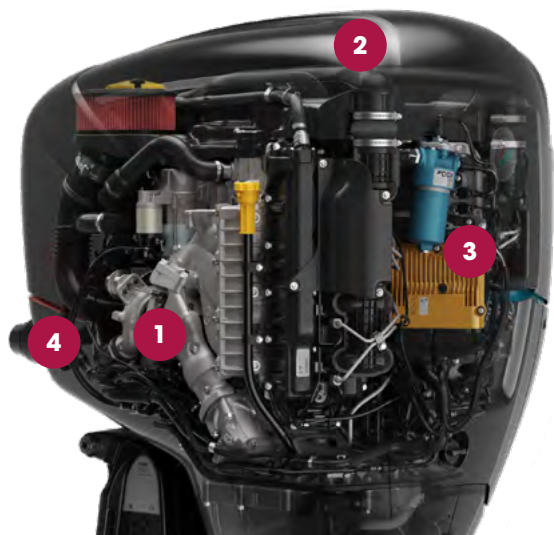
Power distribution module

This module allows for active power management of the outboard power systems. Equipped with self-resetting fuses that reduce the requirement for user intervention to replace physical fuses, these prevent damage and provide galvanic isolation.

4

Electronic controls and steering

The Optimus Steering System enhances control of your vessel. Compatibility with existing industry standards, the NMEA2000 makes it easy to install on a wide range of vessels.



Take a closer look at the CXO300's qualities

5

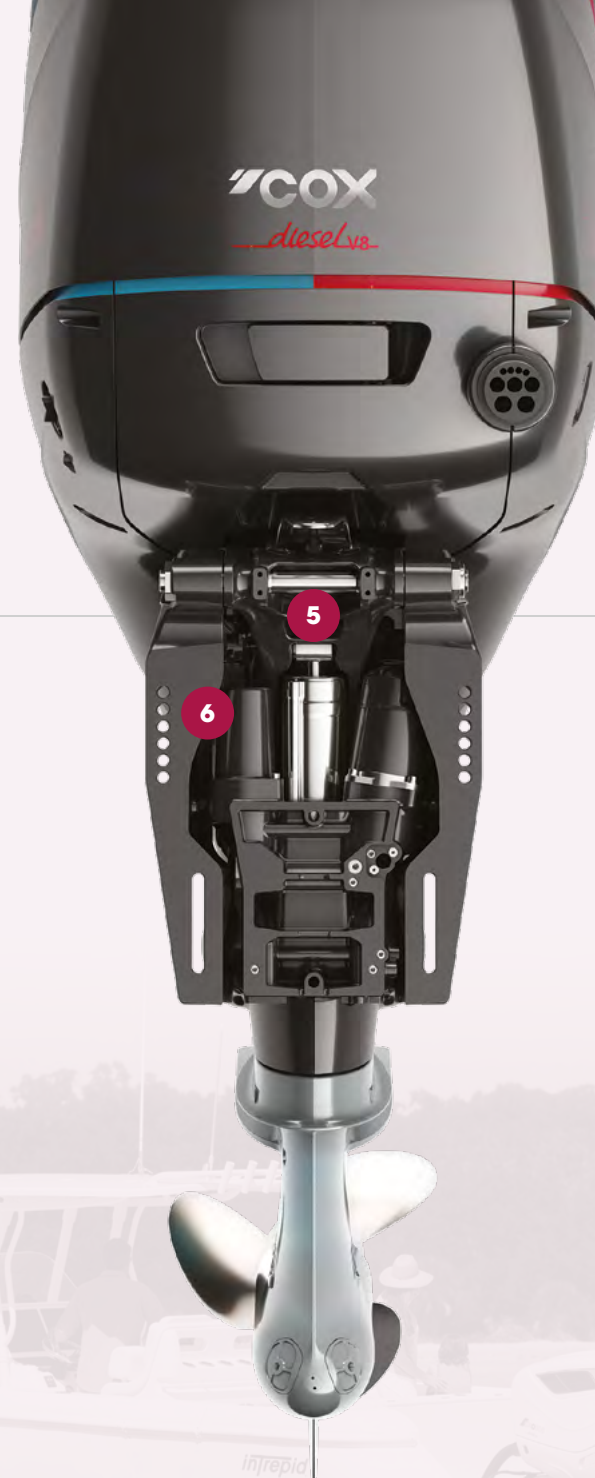
Cox designed PTT

Designed by Cox Powertrain, the CXO300's Power Tilt and Trim bracket is built to withstand the toughest sea conditions and has been put through extensive durability testing.

6

Universal transom bolting pattern

Allows easy installation to a wide range of vessels, making repowering easier than ever.



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Take a closer look at the CXO300's qualities

7

Transmission

The transmission has been specifically designed to withstand Cox's high torque, even when sea conditions are at their most challenging.

8


Standard propeller spline

31.77mm (1.25") 19 tooth spline output shaft ensures both durability and compatibility with a range of industry standard hub kits and propellers.




The only diesel powerhead for an outboard of its size

224kW (300hp) gasoline outboard: **380 Nm (280 lb-ft)**



317kW (425hp) gasoline outboard: **512 Nm (400 lb-ft)**



CXO300 diesel outboard: **683 Nm (503 lb-ft)**




The commercially rated CXO300 delivers impressive performance, including 683 Nm (503 lb-ft) torque from 2250 - 3000 RPM, allowing your vessel to move through the water in a controlled and smooth manner.

Unprecedented fuel savings and exceptional life span

224kW (300hp) gasoline outboard: **98 L/h (26 USG/h)**



298kW (400hp) gasoline outboard: **140 L/h (37 USG/h)**



CXO300 diesel outboard: **72 L/h (19 USG/h)**



This data is based on a sea trial using an Intrepid 345 10.4m (34ft) with a total weight of 6,895kgs (15,200lbs). Full Performance data available at coxmarine.com.



With up to 30% fuel efficiency compared to a 224kW (300hp) gasoline outboard, and with an exceptional lifespan that is far greater than your average gasoline outboard, the CXO300 proves to be an incredibly cost effective outboard, making it a popular marine propulsion option.

“Cox claim about 25% better fuel economy compared to a similar petrol outboard. We’ve done our tests and we actually got better than that so they’re pretty amazing.”

Barry Thompson / Pacific Powerboat Magazine

A wide range of marine applications

The CXO300 has been uniquely designed, but that doesn't limit its applications. After all, it meets all existing industry standards, so can bring its exceptional performance to a wide range of commercial and recreational vessels.



Fishing

The CXO300's excellent fuel efficiency allows a longer range, helping crews to reach those extra special fishing spots to get their catch of the day.



Coast and defence

This high-performance, V8 diesel outboard engine quickly reaches its top speed of 4000RPM, getting you to where you need to be, swiftly and efficiently.



Workboat

With a 24/7 global support network in place, the commercially rated CXO300 has been built to support commercial operations.

An outboard that meets tough fuel emissions standards

Cox Powertrain are committed to delivering a long-term development programme of ground-breaking and sustainable diesel outboards to a wide range of users. It was imperative to design clean-burning engine to ensure its ability to meet current and evolving emissions standards.

Competitor diesel inboard: **5.8 HC & NOx (g/kW-h)**

Competitor diesel outboard: **5.3 HC & NOx (g/kW-h)**

CXO300 diesel outboard: **4.6 HC & NOx (g/kW-h)**



Throughout the CXO300's design and development journey, it was put through rigorous testing programmes and has successfully achieved EPA Tier 3, RCD II, and IMO II certifications of approval.

With combined emissions as low as 4.6 g/kWh, and up to 30% better fuel efficiency the CXO300 is incredibly cost effective outboard as well as an environmentally friendly marine propulsion option.

Want to take the helm? Experience the CXO300

1. Hydraulic steering

Lock-to-lock turns and wheel effort are programmable to change with engine RPM. Joystick and Sea Station GPS Anchoring upgrades available.

2. NMEA 2000 compatible

The CXO300 controls have been developed to be compatible with existing industry standards including NMEA 2000.



3. Full colour LCD screen

All helm displays are full colour LCD screens, providing your engine performance data in high quality graphics. Optional touch screen displays are available to add a stylish touch to your helm station.

4. Wireless ignition

CoastKey's remote start system provides freedom of movement around the vessel, as well as a man- overboard detection safety system, and automatic engine shutdown when the fob is out of range.



Purchase with confidence anywhere in the world warranty and support

Cox Powertrain are proud to deliver the CXO300 diesel outboard to customers worldwide, with the help of their global support network. With over 70 Cox representatives covering more than 140 territories, to ensure that exceptional and efficient customer support is available no matter where you are located.



CXO300 warranty



Recreational

4 years
(1500 hours)



Commercial

12 months
(1000 hours)



Commercial+

18 months
(1500 hours)



Craftsmanship, care and attention to detail

At Cox Powertrain's headquarters in the UK, Cox has built a bespoke production facility for manufacturing the CXO300. This facility features sophisticated technology and equipment and is heavily influenced by manufacturing facilities used in the luxury car industry, demonstrating the true craftsmanship, care and attention that goes into the build of every outboard.



Built
with scalability in mind



Built
bespoke to Cox design



Technicians are instructed digitally on the tasks they need to perform to complete the build to specification. Wireless tooling is also used throughout the build process in conjunction with a Manufacturing Execution System (MES) that tracks the full build history.

For continued piece of mind, every outboard is put through a testing procedure in the production test cell, which features a dynamometer to measure the torque and power in different conditions, at varied loads. It is here each powerhead is B.I.P.O. (break in and pass off) tested and put it through its paces.

Technical specification

Performance		Transmission data	
Propeller shaft power	224kW (300hp)	Shaft Length	635mm (25") / 762mm (30") / 889mm (35")
Engine propping speed	3700 - 4000 rpm	Ratio (Propeller speed)	1.23:1 (3259) / 1.46:1 (2739)
Peak torque	683 Nm (503 lb-ft)	Propeller spline specification	31.75mm (1.25") shaft / 19 tooth
Outboard data		Powerhead data	
Weight	393kg (866lb)	Displacement	4.4L (266 cu.in.)
Emission compliance	EPA 3, IMO II, RCD II	Bore/stroke	84mm (3.3") / 98.5mm (3.9")
Trim range	-4° to +16°	Compression ratio	16:1
Tilt range	71°	Aspiration	Twin-turbo
Colour options	Black / White		
Warranty ratings			
Commercial	Light-duty commercial	Recreational	Max. 1 hr in 12 at full load
	Max. 2 hrs in 12 at full load		Typ. load factor 30% at up to 400 hrs/year
	Typ. load factor 50% at up to 1500 hrs/year		

Disclaimer

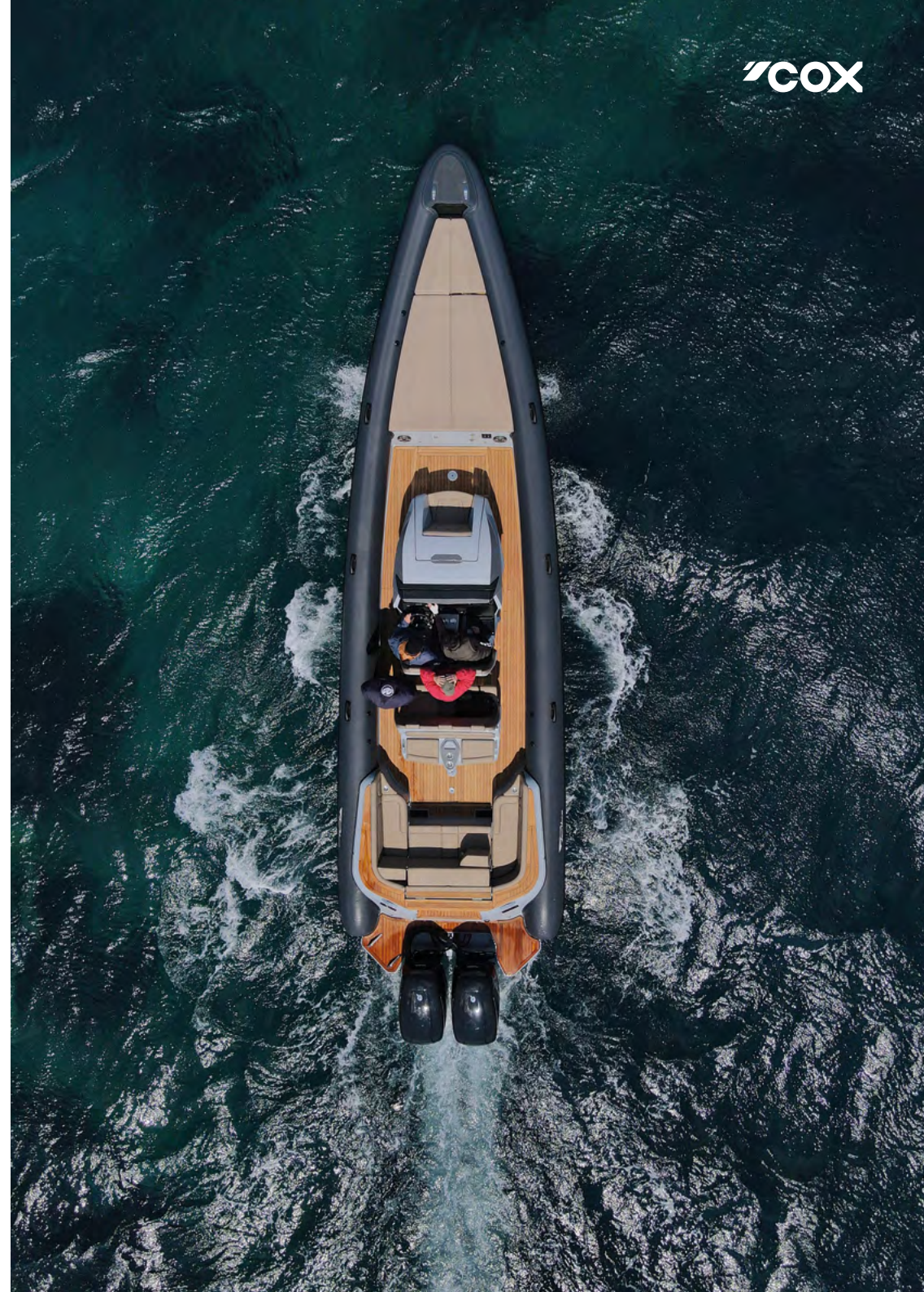
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your demonstration

Cox Powertrain Limited

The Cecil Pashley Building
Unit 8, Cecil Pashley Way Brighton City Airport Lancing,
West Sussex BN43 5FF
United Kingdom

+44 (0) 1273 454 424
info@coxpowertrain.com
www.coxmarine.com

