



# ZF POD 4600

Brand-new propulsion system



# Better performance and lower fuel consumption

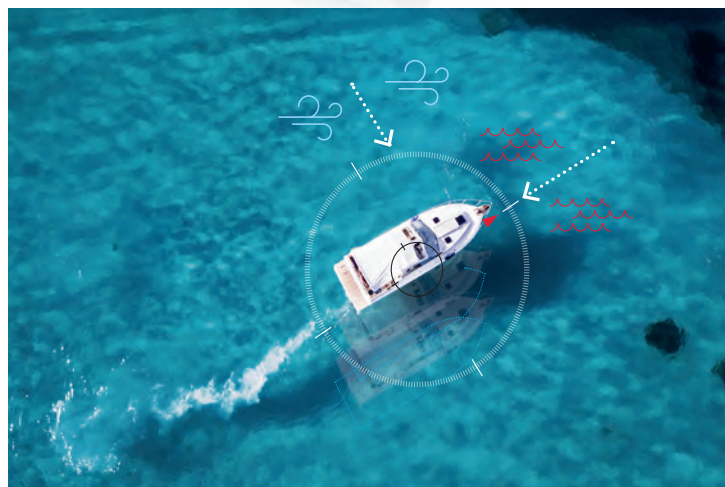
## Advantages

The high efficient counter-rotating propellers together with the horizontal thrust and reduced drag (no need of rudders and shaft supports) provide superior propulsion efficiency assuring less fuel consumption and emissions reduction. The improved propulsion efficiency means also reduced engine dimensions, resulting in more on-board spaces for accommodation. Furthermore, the elastic connection of the POD 4600 to the hull and the softer engine elastic mounts (not having any propeller thrust to resist) reduce substantially structural vibrations and consequently structural noise.

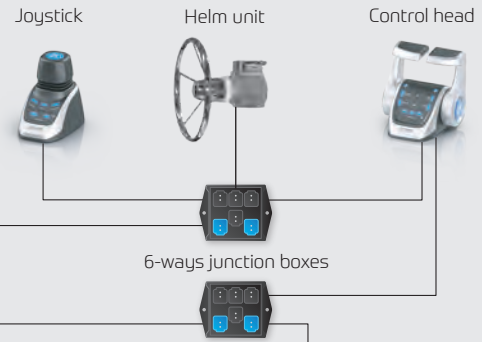
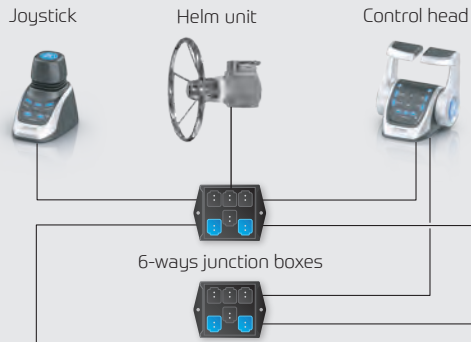
Finally, handling and maneuverability is another major-league advantage of POD propulsions: since the thrust can be directed wherever the need, the system can guarantee unmatched performances both in maneuvering and high speed. PODs are designed to be operated independently, which allows to improve mooring&docking maneuvers and also grants precise dynamic positioning.

## Features

- Pushing twin counter-rotating propellers covering boat speeds from 20 to 32 knots
- Applicable on planing and semi-displacement hulls. Suitable for both recreational and professional applications (Type Approval available)
- Compatible with all the main OEM engines up to 1,700 Hp @ 2,450 rpm
- Electro-hydraulic steering, hydraulic gear shift with low speed mode and trolling
- Integrated exhaust system
- Nickel Aluminum Bronze and stainless steel in all main under water components granting best corrosion resistance performances
- PTO (Power Take Off) and PTI (Power Take In) available for hybrid propulsion
- Interface with all main autopilot systems
- Interface with all main bow and stern thrusters
- Joystick and iAnchor (Dynamic Positioning) available
- Lower unit safe release in case of impacts with underwater objects

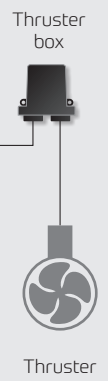
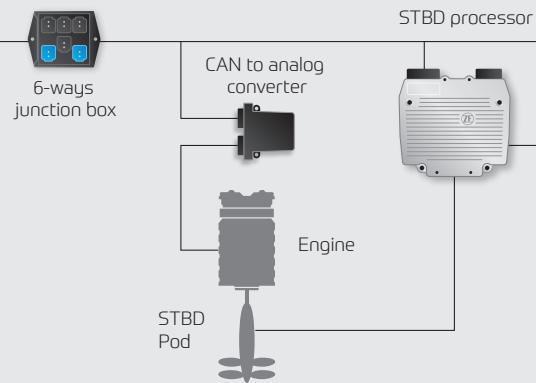
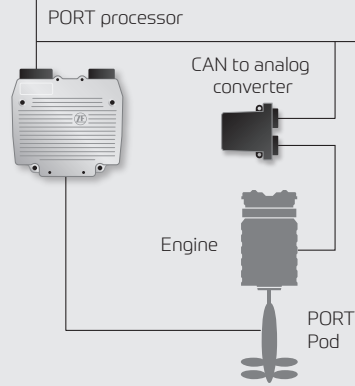


Main station



Second station

Engine room



## General data

Crankshaft power [kw / hp]	up to 1,291 / 1,700 @ 2,450 rpm
ZF Duty	pleasure, light and medium
Single unit dry weight, incl. propellers, approx. [kg / lb]	1,540 / 3,395
Installation	twin/multiple
Max. speed range [knots]	20 to 32
Propellers, counter-rotating, [mm / inch]	up to 978 / 38.5
Reduction ratio (integrated clutch)	2,434
Exhaust system	integrated
PTO/PTI [kw / hp]	130 / 174
Steering	electro-hydraulic, +30°/ -30°
Maneuvering	joystick & dynamic positioning
Hull interface	tunnel / deadrise

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