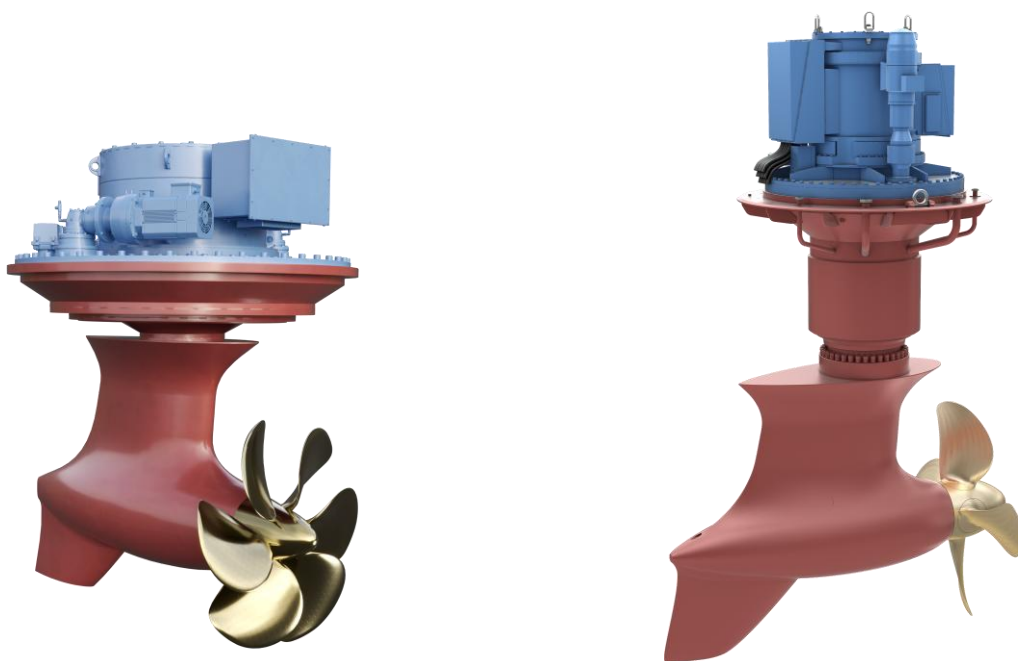




Azimuth thrusters

Azipull

Highly efficient pulling propulsion modular by design

Overview

Combining a proven pulling propulsion concept with advanced hydrodynamic optimisation, Azipull helps vessel operators achieve high propulsive efficiency, low noise levels, strong manoeuvrability, and flexible installation options.

The Azipull is an azimuthing thruster with a large, slowly rotating, propeller positioned in front of the gear housing. This configuration enables more uniform water flow into the propeller, supporting high propulsive efficiency, low pressure excitation on the hull, and reduced underwater noise.

One platform, multiple configurations

Available in both L-drive and Z-drive configurations, Azipull can be tailored to a wide range of vessel types and operational profiles. Customers can choose between fixed pitch, controllable pitch or full

feathering propellers, while hybrid and permanent magnet motor options provide additional flexibility for modern propulsion systems.

The Azipull thruster is built on a modular platform that can be tailored to different vessel concepts and stakeholder requirements.

Typical applications

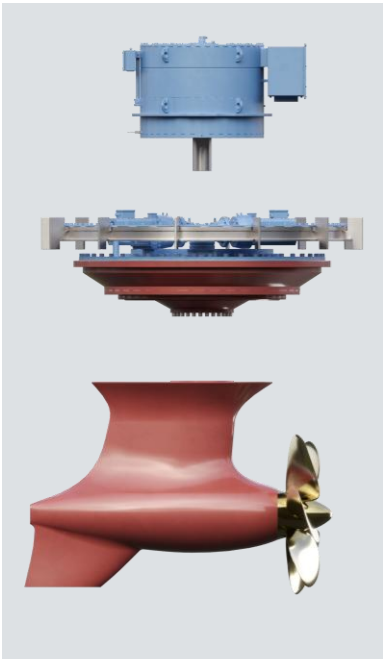
- Ferries
- RoPax/Cruise ferries
- Expedition cruise vessels
- Megayachts
- Research vessels
- Platform supply vessels
- Special purpose vessels

Key features

- Available in L-drive and Z-drive configurations
- Z-drive version available with Twin Hybrid and Dual Hybrid options
- Flexible propulsion arrangements for diesel-electric, hybrid and mechanical drive systems
- L-drive version can be delivered with permanent magnet motors
- Several hull mounting options available, including welded and bolted variants
- Available with fixed pitch (FP), controllable pitch (CP), or full feathering (CP-F) propellers

Key advantages

- Proven pulling thruster concept with 600+ units delivered
- High propulsive efficiency through hydrodynamically optimised design
- Added benefit of lower onboard noise & vibrations, and lower underwater radiated noise
- Strong manoeuvrability and improved directional stability during transit
- Vessel-specific propeller design by our Hydrodynamic Research Centre
- L-drive configuration reduces installation footprint and simplifies shipyard integration
- Permanent magnet motors provide high efficiency, particularly in lower load conditions
- Condition Monitoring readiness
- Spare thrusters available through the Thruster Support Pool (TSP)



Azipull thrusters have a modular design platform that can be tailored to different vessel concepts and stakeholder requirements.

Technical data

Size	AZP70	AZP85	AZP100	AZP120
Voltage ¹	690	690	690	690
Power range (kW)	450-1500 ²	900-1800	1800-2750	2500-3750
Propeller diameter (mm) ¹	1600-2100	1800-2400	2300-2800	2800-3300
Propeller type	CP/FP/CP-F			
ICE class capability (Baltic, Polar) ³	ICE-C	ICE-1B	ICE-1A	ICE-1A*, PC6
Approx. dry weight (tonnes) ⁴	12	17	31	58

¹ Standard delivery - variation possible

² SSC/Yacht application

³ Power reduction in ICE operation can be required

³ Typical L-drive configuration, including drive motor

All data is subject to change without prior notice

Sales

Kongsberg Maritime
P.O.Box 483, NO-3601
Kongsberg, Norway
Switchboard: +47 32 28 50 00
E-mail: km.sales@km.kongsberg.com

Support

By your side, worldwide
EMEA: +47 33 03 24 07
APAC: +65 97 11 24 07
AMERICAS: +15 04 303 5244
E-mail: km.support@km.kongsberg.com