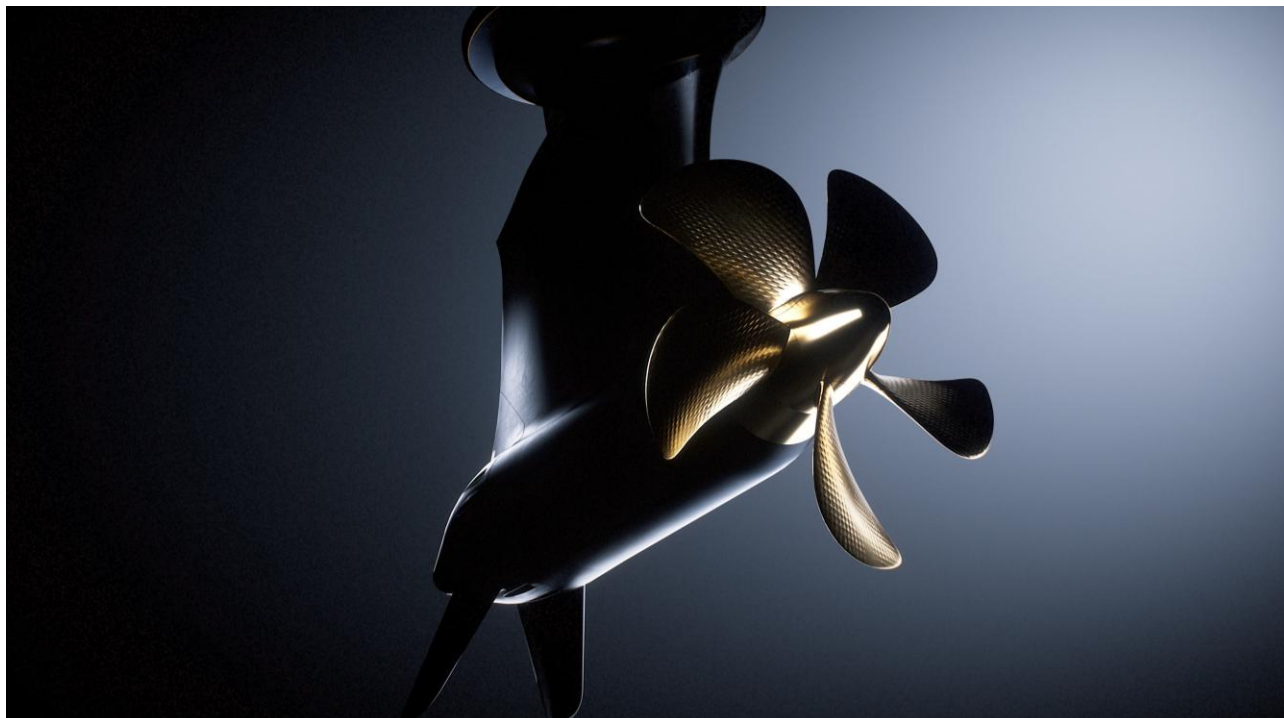




Azimuth thrusters

Elegance Pod

Podded propulsion for a compact installation with permanent magnet (PM) motor technology for high efficiency and performance.

Overview

Elegance Pod combines more than 60 years of thruster experience with hydrodynamic expertise from the Kongsberg Maritime Hydrodynamic Research Centre.

The pod is shaped to reduce hydrodynamic drag and support efficient thrust across a wide range of operating conditions.

Permanent magnet motor technology enables a compact system design, while low noise and vibration support onboard comfort and reduced underwater radiated noise.

The Elegance Pod portfolio includes open-propeller pulling pods and ducted-propeller pushing pods, providing options for different vessel types and bollard pull requirements.

Typical applications

Cruise and passenger

- Yachts
- Cruise
- RoPax vessels

Offshore

- Offshore support and supply vessels
- Wind farm support vessels
- Research vessels

Cargo

- Coastal vessels with frequent port calls
- All-electric vessels

Naval

- Auxiliary and coastguard vessels
- Landing platform docking vessels

Key features

- Compact and efficient PM motor
- Combined air and seawater cooling
- System-level optimisation of drive, motor and hydrodynamic design
- Adjustable design to support integration with different hull configurations
- Patented Twin-Tail design to improve efficiency and cavitation behaviour
- Oil-lubricated roller bearings
- VGP-compliant anti-pollution seal system
- Ice class capability up to PC6 / FS1A* (up to 7.5 MW)
- Easy access to service points
- Simple hull interfaces designed to reduce installation complexity
- Underwater mounting and maintenance capability
- Hydrodynamic design developed by the Kongsberg Maritime Hydrodynamic Research Centre

- Customized fixed pitch propellers with 4-6 blades
- Built-in condition monitoring
- Integrated support for system health monitoring and maintenance
- Ducted pushing versions available for higher bollard pull requirements

Operational benefits

- Efficient propulsion and fuel use
- Precise manoeuvrability and station-keeping
- Compact inboard installation
- Low noise and vibration for onboard comfort
- Fast response
- Service-friendly design and long service intervals
- Simplified installation
- Global service support



Elegance Pod configurations are available for a range of vessel applications, including ice-class operation.

Technical data – pulling Elegance Pod

Size	850	960	1 080	1 230	1 380	1 570	1 800	2 000	2 200	2 450	2 700
Voltage	690 V						3 300 V				
Max power (kW)	2 000	2 700	3 800	4 600	6 100	7 500	10 000	12 500	15 000	18 000	22 000
Propeller diameter (m)	1.8-2.9	2.1-3.4	2.4-3.9	2.7-4.4	3.0-4.9	3.3-5.4	3.9-6.0	4.4-6.6	4.9-7.2	5.4-7.9	5.9-8.7
Shaft speed (rpm)	145-365	130-325	117-290	106-250	95-220	88-192	75-185	66-165	60-150	57-142	52-130
Propeller type	Fixed pitch, Built or Monoblock						Fixed pitch, Built or Monoblock				
Ice class	1C	PC6	PC6	PC6	PC6	PC6	Reviewed case-by-case				

All data is subject to change without prior notice.

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