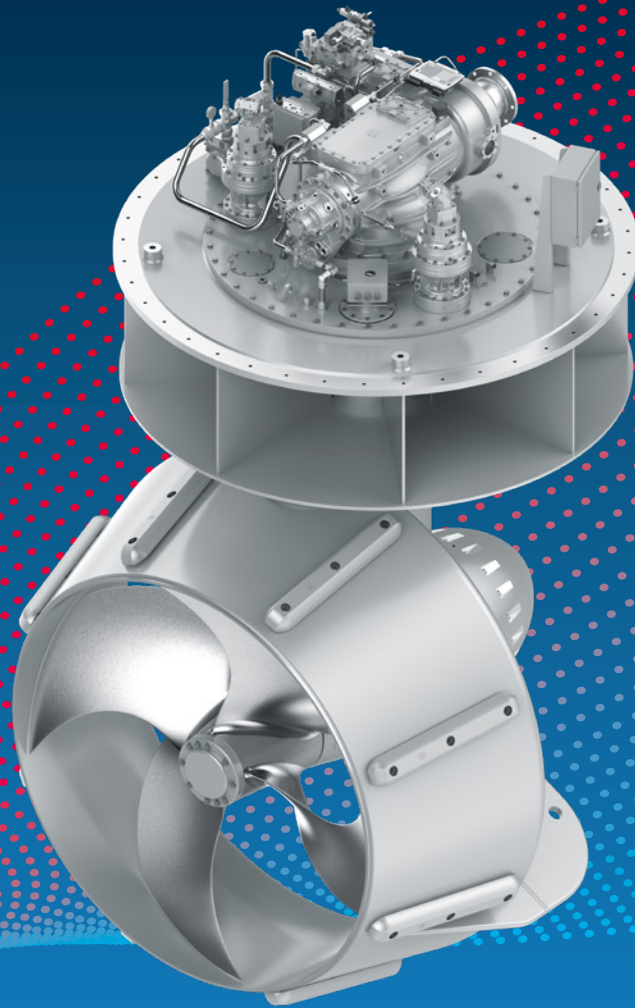




ZF AT Thruster Series

A new thruster based on a proven design



New ZF AT Thruster Series

Optimized design for more performance

The new compact and maintenance friendly design, aligned with its outstanding quality and all of its functionalities, provides powerful and smooth sailing comfort for various vessel types.

This new thruster series was developed for vessel owners, fleet operators, naval architects and shipyards that want to achieve great performance while providing robust and economic vessel operation.

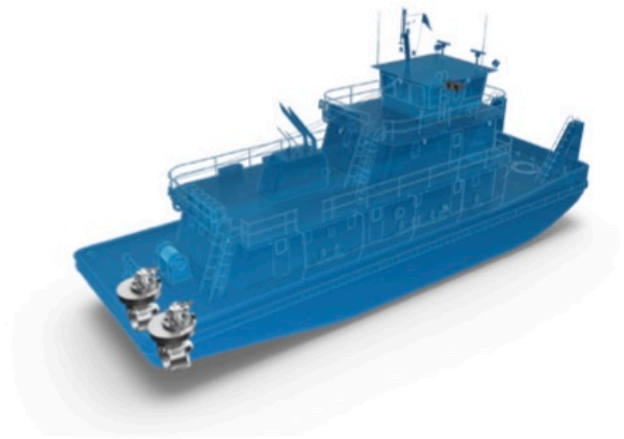
The reduced oil volume, the resulting higher efficiency and the reduced flow losses of the thruster propulsion result in significantly lower operating costs for the ship operator. These improvements lead to lower fuel consumption and the CO₂ emissions will be reduced as well.

There are many options which can be selected for the thruster such as ZF AutoTroll system for a slipping clutch operation, a customer PTO pump connection, ProVID condition monitoring system and many more.

The new ZF Thruster design will be available in various other thruster types; Retractable Azimuth Thruster (RT), Tunnel Thruster (TT), Deck mounted Thruster (DM) and Stern mounted Thruster (SM).

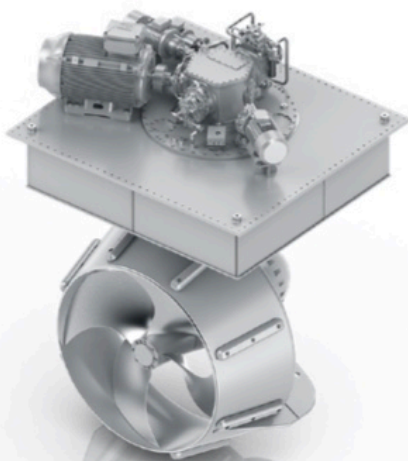
Features

- Available up to 2,500 kW
- Increased performance based on ZF proven design:
- Up to 17% more thrust and bollard pull
- ZF ease-off gear design
- Fast delivery time
- Streamlined design of underwater gearbox
- Certified by all major classification societies
- Support from ZF experts worldwide
- Excellent, worldwide availability of spare parts



Place your thrust in hybrids

The new AT series can also be delivered as a hybrid system with an additional electric motor on the main (diesel) engine. As a result, less engine power is required during vessel operation. Other advantages are full electric sailing, dynamic positioning (DP), creeping in electric mode and FiFi mode (firefighting).



Azimuth Thruster AT 80, hybrid version