



ZF AT WM Thruster Series

A new thruster based on a proven design



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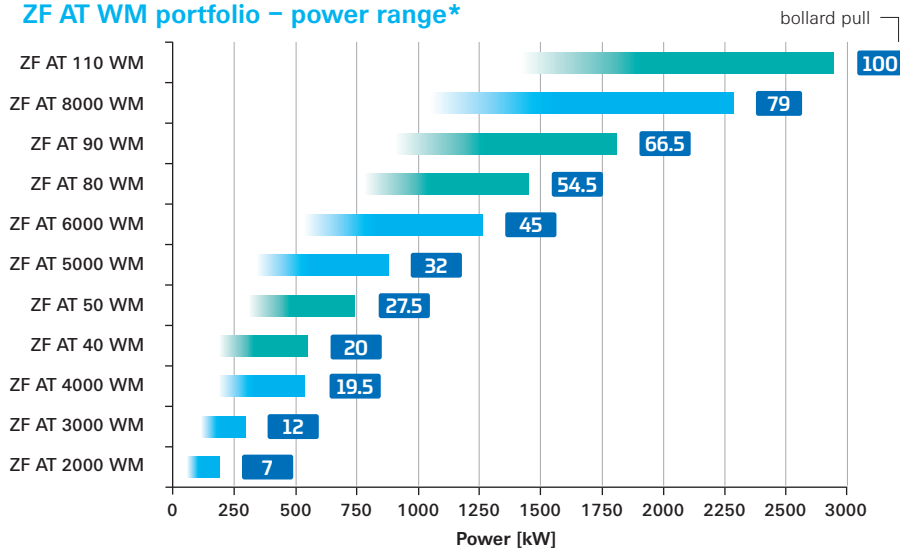
Optimized design for more performance

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® for a slipping clutch operation, a customer PTO pump connection and firefighting (FiFi) capability.

ZF AT WM portfolio – power range*



* Rating M-duty Electric, Bollard Pull for 2 units. Rating subject to classification and application. Mentioned data for indication purpose only. Consult ZF technical staff to determine applicable power for each specific use.

Features

- Available up to 2,944 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
- Available as hybrid system
- Optional firefighting (FiFi) capability
- Optional tilted nozzle for AT 110 series
- Certified by all major classification societies
- Support from ZF experts worldwide
- Excellent, worldwide availability of spare parts

ZF Group

ZF Friedrichshafen AG

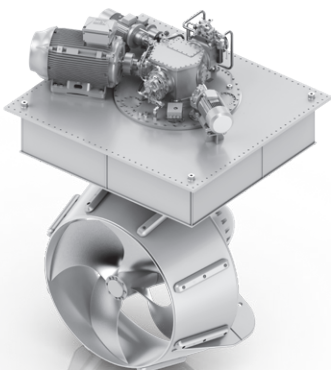
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Azimuth Thruster AT 80, hybrid version



Azimuth Thruster AT 110, with tilted nozzle