



OMEGA 360° Channel Thruster

OMEGA 360° Steering Grid Thruster

OMEGA Z-Drive

OMEGA Retractable Thruster

OMEGA Ballast Pump

Verhaar Omega's high-quality range of OMEGA bow and transverse thrusters provides easy manoeuvring, precise control, superlative performance and excellent durability. This modern range of bow thrusters offers more than enough power to keep any ship on course. Advanced design from Oegstgeest in the Netherlands, where Verhaar OMEGA continues to build for the future, producing dependable bow thrusters that use tomorrow's technology day after day.



OMEGA 360° Azimuth Thruster

OMEGA channel thrusters are capable of rotating through 360° and available as 2, 3 or 4 channel designs. These units produce a high bollard pull of 80 N/Hp. They are available with power ratings ranging from 100 to 1500 kW and can also be used as main propulsion or for continuous operation. The thrusters can be driven hydraulically, by a diesel engine or by an electric motor.

OMEGA thrusters are state-of-the-art units constructed from top-quality materials.

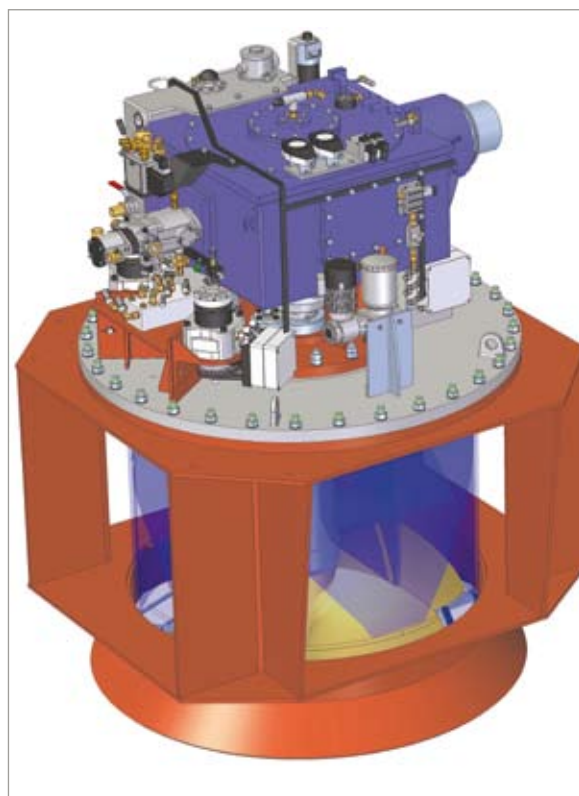
These advanced thrusters are equipped with a CuNiAl propeller, a



high-grade spiral bevel gear and a stainless anti-wear ring (optional) around the propeller to avoid erosion. A special filter in the suction inlet prevents foreign objects from damaging the unit.

Easy Installation

OMEGA bow thrusters are the beating heart of inland waterway vessels, tugs, container ships, supply vessels, ferries, coasters, dredgers, naval ships and yachts. With their unusually compact dimensions, these units are easy to install in even the smallest engine room. Handling and installation costs are kept to a minimum as the thrusters are supplied as complete, ready-to-fit assemblies.



Special designs

In addition to the traditional right-angle gearbox, OMEGA thrusters can also be supplied with a parallel gearbox for vertical mounting. This type of design is often required for tankers where additional space is needed for product heaters.

Control system

The control system has been specially developed to satisfy all class requirements and meet the demands of modern ship owners. Being of modular design, the control system can easily be upgraded from a direct system to a full Joystick system with a VDR or DP interface.



OMEGA Transverse Thruster

The range of the OMEGA transverse thrusters includes OMEGA Controllable Pitch (OCP) and Fixed Pitch (OFP) thrusters up to a maximum power of 1100 kW.

Designed for high efficiency, reliability and durability, these heavy-duty thrusters feature bevel gears of Cyclo-Paloid design and long-life bearings.

OMEGA Z-drive

The OMEGA Z-drive, model Olympic, is a heavy duty, 360 degrees steerable, compact marine propulsion, unit designed for small to mid-sized work boats, ferries Et passenger vessels.

The OMEGA Z-drive is available in 105kW (140 HP), model SD1 or in 150kW (200HP), model HD3.

The Olympic Z-drive can also be delivered with nozzle.



OMEGA Retractable thruster

The OMEGA Retractable thruster is a compact, 360 degrees, propulsion unit available in two models. The ODD200 is suitable for 280 HP and has a propeller 700mm. The ODD300 has a maximum power of 380 HP and a propeller of 900mm. Both thrusters retract by a hydraulic driven cylinder guided by two stainless steel bars mounted on the main flange. This makes the OMEGA ODD one of the toughest of this kind.





OMEGA Steering grid thruster

Based on the technique of the successful OMEGA channel thrusters Verhaar Omega has developed a complete range of Steering Grid Thrusters.

These thrusters are available from 75kW till 660kW and can be driven hydraulic, electric and by diesel engine. The design is compact, heavy duty and very low in noise. These units produce a bollard pull of 58 N/ Hp and are suitable for continuous operation.

OMEGA Ballast Pump

Verhaar Omega's compact ballast pump was specially developed for dry-cargo vessels. The pump is highly efficient, requiring a mere 7.5 kW to deliver an output of approx. 17 m³/min. The unit is supplied with an electric motor and integrated frequency converter as standard. The pump is housed in a standard-size 14" elbow, fully galvanized and equipped with standard NW350 flanges (DN010) at both ends.

World-wide service

OMEGA thrusters are approved by most well-known marine certification bodies. They are manufactured to the highest standards and have been designed for maximum durability and reliability. Moreover, in the unlikely event of a breakdown, our proverbial product quality is complemented by excellent after-sales service and technical support.

CHOOSE VERHAAR OMEGA



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