

THRUSTERS

STR 80 - 250 - xE

A **PETTER'S MARINE HYDRAULICS** thruster is made for operating in demanding environments and tough conditions, providing **EXCELLENT** performance and high **RELIABILITY** in a **COST EFFICIENT** way. In the STR design, the motor is oriented orthogonally to the thruster tunnel, with a 90° transmission, making the thruster especially suited for mounting under the main propeller shaft when mounted with an intermediate shaft.

The **STR80-250** thruster is available with both electric and hydraulic drive, and is delivered with all necessary equipment, tailored to the customer's needs. For hydraulic drive, please see datasheet for STR80-250-xH. For electric drive thrusters, we deliver frequency converters and an electronic control systems.

The control systems are prepared for integration with thruster control systems such as **PETTER'S MARINE HYDRAULICS'** MOTOR PITCH THRUSTER CONTROL (MPTC) and dynamic positioning systems such as the KEEP POSITION (KP) system. Please see the MPTC and KP brochures or visit **PETTER'S MARINE HYDRAULICS'** home page **WWW.PMH.NO** for more information on these products.

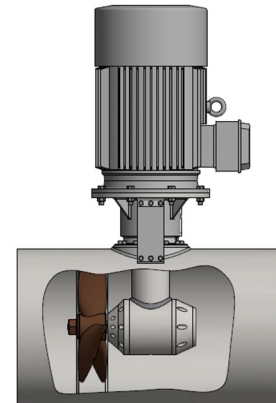
ORDER INFORMATION

The thrusters are available in aluminum (alloy 5083), steel and fiberglass, and with both hydraulic and electric drive. The overall length of the tunnel is adjusted to the individual hull on request. Upon order, please state material thickness of hull, as the material thickness of the thruster tunnel has to be dimensioned accordingly.

Part name:

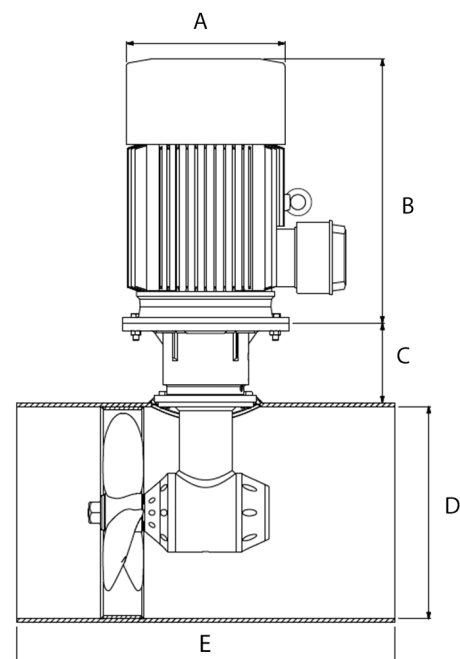
Example: STR 80-250-AH

- Device type
Ø80 cm, 250 hp
- Drive
Hydraulic (H), Electric (E)
- Material
Aluminum (A), Steel (S),
Glass fiber (G)



TECHNICAL SPECIFICATIONS

| | |
|------------------------------|-----------------------|
| Propeller: | 3 blades, fixed pitch |
| Voltage: | 3x 400/690 V |
| Motor IP-rating: | IP56 |
| External cooling: | Yes |
| Internal heating in standby: | Yes |
| Max Power: | 250 hp / 190kW |
| Max RPM: | 830 (propeller) |
| Thrust | > 2000 kg |



| A | B | C | D | E |
|--------|---------|--------|--------|---------|
| 628 mm | 1050 mm | 316 mm | 844 mm | 1500 mm |