

Product Specifications SH 1000/513 TC



The variations in the thruster requirements are even greater for commercial vessels than for pleasure crafts, as there are more difference in their use.

For instance, a ferry working in harbour/city areas will require less thrust for the same boat size than a fishing boat using the thruster to maintain direction while fishing/hauling nets or similar on the open ocean.

The SH1000/513TC is manufactured taking advantage of experiences gained through years of volume production, resulting in a very cost efficient, high quality product.

*With the SH1000/513TC you get all the important and unique **Side-Power** features and qualities - **why settle for less.***

Description

Typical boat size (m•ft):	30 - 43 • 100 - 140
Tunnel inside diameter:	513mm/20"
Propulsion system:	Counter rotating
Weight:	146,5 kg/323 lbs.

Weight stated include thruster, props & bellhousing ONLY.
Weight of hydraulic motor (typical 25 - 40 kg) comes in addition

Gearleg:

- Seawater resistant bronze, CNC machined in one process to ensure 100% correct tolerances, angles and measurements.
- Oil filled with header tank and breathing to ensure long lifetime and no contamination of oil.
- Marine grade seals with protective lip and mechanically protected by special propeller hub design. Hardened and ground precision spiro-conical gears.
- Propeller shaft with double ball bearings fitted in correct tolerances.
- Driveshaft with ball bearing and special sleeve bearing in correct tolerances.
- 5 bladed bronze "Q-prop" propeller, skewback design.
- Zinc anode protection directly on gearleg, easy to access and change.

Performance and specifications at one tunnel diameter depth*:

Thrust:	1000 kg/2205 lbs.
Hydraulic power ¹⁾ :	65,5 kW/87,8 Hp
Propeller output:	55 kW/74 Hp
Hydraulic motors:	80/90/110 ccm
Flow rating upto:	111/125/152 lit./min.
Pressure drop upto:	297/264/216 bar

¹⁾ most hydraulic thrusters are rated at their necessary hydraulic power supply

Significant features:

- Type Approval by Det Norske Veritas (DNV) for commercial use
- Q-prop propeller - highly energy efficient and very silent
- Thruster control by the digital bus-based S-link control system
- Available as SE1000/513TC, powered by AC electric motor

Notes !

* Actual performances will vary for each installation depending on many factors.
Specifications here given at one tunnel diameter depth and with hydraulic power at thruster as shown.

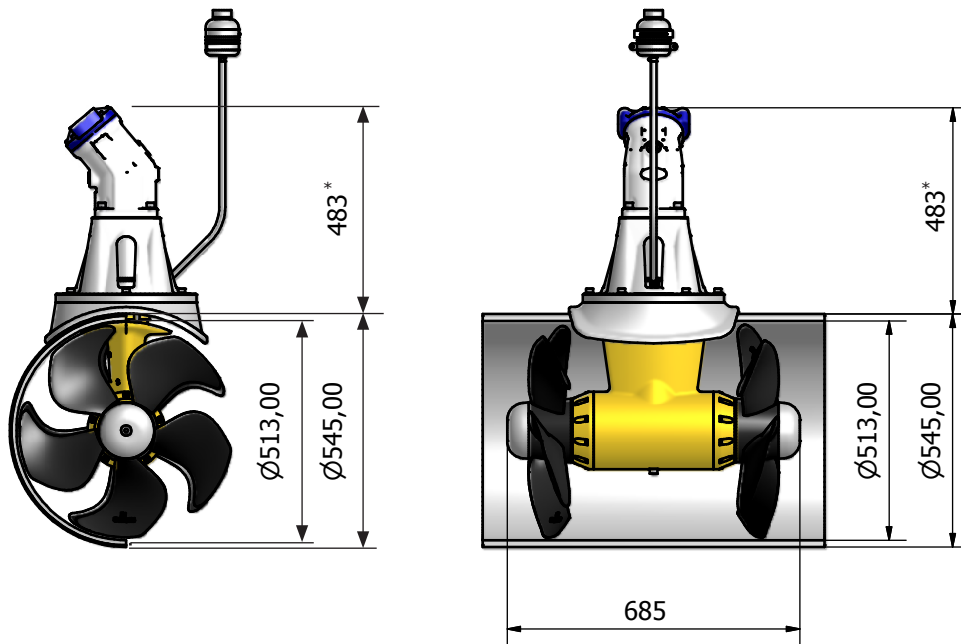


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Measurements



*Height with 110 ccm Bent Axis Hydraulic motor



This document may contain typographical errors, to which Sleipner Motor assumes no responsibility.



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