EX Series external pod thrusters

Quick & easy retrofitting

EX SINGLE

EX DUAL

EX COMPACT

The externally mounted pod-based EX-series, is a practical thruster solution for displacement and semi-planing boats between 6 and 18 m length, independently of hull form, hull material, propulsion and depth. These pod thrusters are an excellent choice where a tunnel thruster cannot be fitted, or as an extremely compact stern thruster.

It can be used in all types of vessels such as: sailing boats, catamarans, motor boats, houseboats out of steel, aluminum, timbre or GRP. The flexible mounting at the extreme bow of the boat hull, with a deeper position underwater, allows obtaining an optimal leverage compared to conventional thrusters. EX thrusters can therefore move larger boats by using nominally less power than conventional thrusters.

Adapter
Made of hard rubber, optimizing the flow characteristics and ensuring tight and simple mounting.

Hollow shaft with cable routing
Made of steel with neoprene and rubber fittings to seal connection and performance as suspension.

Housing
Extreme robust, special coated aluminum housing. Seawater-resistant and redox-free.

3-Blade Vector-Propeller
Purpose-designed to ensure highest efficiency.

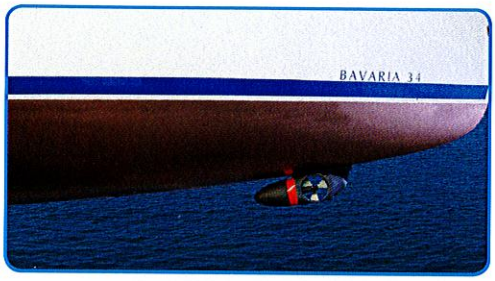
Electric motor
Purpose-designed and special built motors guarantee outstanding performance. Up to 5 minutes nonstop operating time.

EX Series thrusters	EX 35 S	EX 55 S	EX 75 S	EX 95 S	EX 110 D	EX 180 D
Thrust at 11.5V/23V* (kg • lbs)	25 • 55	40 • 88	53 • 117	67 • 148	80 • 176	130 • 264
Performance thrust* (kg • lbs)	35 • 77	55 • 121	74 • 163	95 • 210	110 • 243	180 • 397
Typical boat size (ft • m)	20' - 28' • 6 - 8.5	26' - 34' • 8 - 10.5	29' - 38' • 9 - 12	35' - 48' • 10 - 15	35' - 53' • 12 - 16	44' - 59' • 14 - 18
Tunnel I.D. (mm • in)	150 • 5.9"	150 • 5.9"	150 • 5.9"	150 • 5.9"	150 • 5.9"	150 • 5.9"
Propulsion system	Single	Single	Single	Single	Dual	Dual
Power at 11.5V/23V* (kw • Hp)	1.3 • 1,75	1,8 • 2,4	2,3 • 3,1	3,0 • 4,0	4,0 • 5,4	6,0 • 8.0
For DC system (V)	12	12	24	24	12	24
Weight (kg • lbs)	19,5 • 43	19,5 • 43	19,5 • 43	19,5 • 43	35 • 77	35 • 77
Rec. CCA (DIN** 11.5/23V)	170	225	150	190	250	375
Item Code 12V	**EX35S**	**EX55S**	**EX75S**	**EX95S**	**EX110D**	
Item Code 24V						**EX180D**

Construction benefits

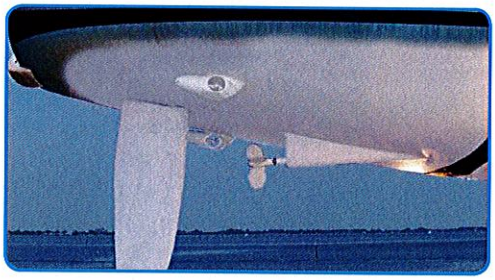
Optimally streamlined design

Hydrodynamic shape, very short flow-channel and ideal placement reduce the water resistance to a fraction compared to conventional systems. There is no perceptible loss of speed.



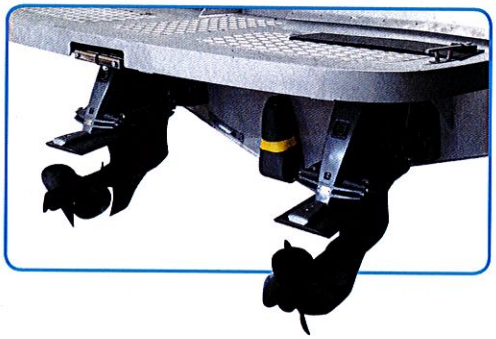
Easy installation

Requires drilling of only three small holes to assemble, which are sealed tightly with a special rubber sealant. No fiberglass work is necessary.



Long duration

The external placement of the unit gives a more efficient water cooling and allows much longer duration per cycle of the unit than with traditional bow and stern thrusters.



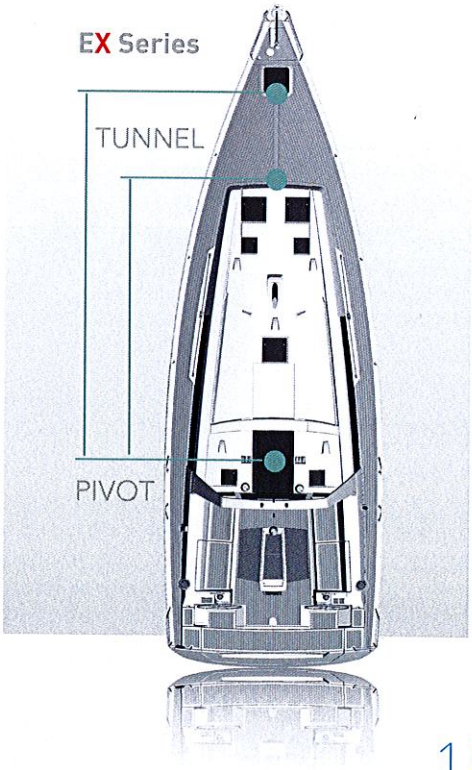
Optimal efficiency

Is the result of a shorter transverse channel and an ideal leverage, which is reasoned by the deeper and farther position from the pivot point. Typically giving up to 40 % higher efficiency than with conventional systems.

The experienced performance can be as high as 1.4 times the actual thrust.

- Due to the installation position more towards the very bow of the boat (1 - 1.5 m) the leverage increases minimal 20 %.
- Long and small transverse tunnels reduce thrust, on an average length of 60 - 70 cm around 20 %.
- Installation depth of minimum 15 - 20 cm deeper under water (= no cavitation)

The total of these three main performance benefits results in a higher efficiency of at least 40% compared to conventional thrusters! It is important to notice this for comparison reasons towards tunnel thrusters.



EX 25 C	EX 40 C	EX 55 C	EX 70 C
25 • 55	40 • 88	53 • 117	67 • 148
-	-	-	-
18' - 26' • 5 - 8	24' - 34' • 7,5 - 10,5	28' - 36' • 8,5 - 11	32' - 42' • 9,5 - 13
150 • 5.9"	150 • 5.9"	150 • 5.9"	150 • 5.9"
Single	Single	Single	Single
1.3 • 1,75	1,8 • 2,4	2,3 • 3,1	3,0 • 4,0
12	12	24	24
12 • 26,5	12 • 26,5	12 • 26,5	12 • 26,5
170	225	150	190
EX25C	**EX40C**	**EX55C**	**EX70C**

*Note 2 - See page 35