

SR Series retracting thrusters



For boats that cannot fit a tunnel thruster or do not wish to have an external thruster under the boat, then a retractable thruster is the solution. Side-Power have designed a product range that is focused on practical sturdiness, uncompromised safety and quick deployment.

The retracting thrusters are generally built with the same high safety standards as all Side-Power products, and incorporate the important benefits introduced with the SE-series thrusters. Our focus on safety is a totally integral part of the product design so that everything from build quality to ease of installation is thought of to ensure long term reliability.

There are three versions of the retractable thrusters, one model design for direct mold-in, and two designed to be mounted on a flange. The flange can be a mold-in base

from Side-Power, or the boat builders can manufacture their own base in materials suited for their hulls or as part of their basic hull design.

The flange mounted models have thruster unit in a casing that will be bolted to a base. This allows for easier installation in hulls made from different materials, as well as in series production where you do not need to mix laminating and engineering type jobs.

SR Series thrusters*	SR 80/185 T	SR 100/185 T	SRL 80/185 T	SRL 100/185 T
Thrust at 10.5V/21V* (kg • lbs)	80 • 176	100 • 220	210 • 462	210 • 462
Thrust at 12V/24V* (kg • lbs)	96 • 212	116 • 256	250 • 550	250 • 550
Typical boat size (ft • m)	35' - 48' • 10 - 15	35' - 55' • 12 - 17	55' - 78' • 17 - 24	55' - 78' • 17 - 24
Tunnel I.D. (mm • in)	185 • 7.3"	185 • 7.3"	250 • 9.8"	250 • 9.8"
Propulsion system	Twin	Twin	Twin Counter rot.	Twin Counter rot.
Power at 10.5V/21V* (kw • Hp)	4.4 • 6	6.3 • 8.4	11 • 14.5	11 • 14.5
For DC system (V)	12/24	12/24	28	28
Weight (kg • lbs)	31 • 68	44 • 97	35 • 77	48 • 106
Rec. CCA (DIN++ 12/24V)	550/300	750/400	550/300	750/400
Installation	mould-in	mould-in	flange	flange
Item Code 12V	SR80/185T-12V	SRI00/185T-12V	SRL80/185T-12V	SRL100/185T-12V
Item Code 24V	SR80/185T-24V	SRI00/185T-24V	SRL80/185T-24V	SRL100/185T-24V
Item Code 12V PRO*	SRP80/185T-12V	SRP100/185T-12V	SRLP80/185T-12V	SRLP100/185T-12V
Item Code 24V PRO*	SRP80/185T-24V	SRP100/185T-24V	SRLP80/185T-24V	SRLP100/185T-24V



The 185mm tunnel diameter thrusters use one fast and powerful actuator, while the 250mm tunnel diameter models have two actuators to handle the increased forces with the same exceptionally fast deploy/ retract operation time.

The unique design of the underwater mechanism has only a few, but very sturdy parts that all contribute to the stability of the moving assembly. The unit is also designed to keep

the thruster as compact as possible while enabling the safe use of heavier motors on the more powerful units. The vertical installation of the motors also reduce the impact forces on the assembly in extreme waves compared to motors fitted at an angle.

Specific Retracting features

- Plug and play S-Link two way communication control cable wiring.
- Motor assembly rigid mounted on retracting casing - no moving parts during retracting operation.
- Compact size.
- Reliable retracting mechanism, avoids sticking.
- Fast deployment time.
- Easy to use control panel with status feedback from thruster.
- Available as SRP versions with DC Speed Control.

Mould-in base (not included):

- SRF-185-GRP Mould in mounting base for 185mm SRV models - ISO Polyester
- SRF-185-GRV Mould in mounting base or 185mm SRV models - Vinylester
- SRF-250-GRP Mould in mounting base for 250mm SR models - ISO Polyester
- SRF-250-GRV Mould in mounting base for 250mm SR models - Vinylester



All Side-Power retractable models use the S-link "CAN" based control system with full intelligent communication between all units in the system, much like a computer network.



All Side-Power retractable models can be delivered in speed controlled PRO versions.

Youtube:



CEO at Hallberg-Rassy; Magnus Rassy, about the new HR412 with dual PRO series retractables from Side-Power.
www.youtube.com/watch?v=69GpzXrdpmw



"I could not picture myself buying another boat without this system!" says boat owner Bernt Ellingsen, Delphia 47 with dual PRO series retractable thrusters.
www.youtube.com/watch?v=NVvasVGSha0

SRV 80/185 T	SRV 100/185 T	SRV 130/250 T	SRV 170/250 TC	SRV 210/250 TC
80 • 176	100 • 220	130 • 284	170 • 374	210 • 462
96 • 212	116 • 256	160 • 352	210 • 462	250 • 550
35' - 48' • 10 - 15	35' - 55' • 12 - 17	42' - 62' • 13 - 19	50' - 70' • 15 - 22	55' - 78' • 17 - 24
185 • 7.3"	185 • 7.3"	250 • 9.8"	250 • 9.8"	250 • 9.8"
Twin	Twin	Twin	Twin Counter rot.	Twin Counter rot.
4.4 • 6	6.3 • 8.4	6.5 • 8.7	8 • 10.7	11 • 14.5
12/24	12/24	12/24	24	24
31 • 68	44 • 97	82 • 181	88 • 194	112 • 247
550/300	750/400	750/400	550	650
flange	flange	flange	flange	flange
SRV80/185T-12V	SRV100/185T-12V	SRV130/250T-12V	SRV170/250TC-24V	SRV210/250TC-24V
SRV80/185T-24V	SRV100/185T-24V	SRV130/250T-24V	SRV170/250TC-24V	SRV210/250TC-24V
SRVP80/185T-12V	SRVP100/185T-12V	SRVP130/250T-12V	SRVLI70/250TC-24V	SRVP210/250TC-24V
SRVP80/185T-24V	SRVP100/185T-24V	SRVP130/250T-24V		

*Note 1 - See page 35