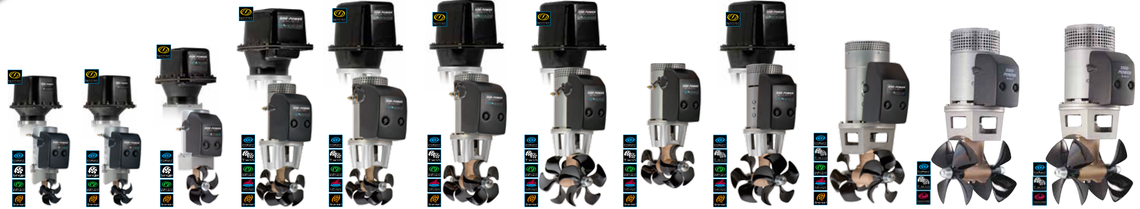
SIDE-POWER DC THRUSTER RANGE 2014

THE WORLDS MOST COMPLETE RANGE OF DC THRUSTERS!



SE / IP Series

	SE 30/125 S	SE 40/125 S	SE 60/185 S	SE 80/185 T	SE 100/185 T	SE 120/215 T	SE 130/250 T	SE 150/215 T	SE 170/250 TC	SE 210/250 TC	SP 240 TCi	SP 285 TCi
Thrust at 10.5V/21V* (kg • lbs)	30 • 66	40 • 88	60 • 132	80 • 176	100 • 220	120 • 264	130 • 284	150 • 330	170 • 374	210 • 462	240 • 528	285 • 627
Thrust at 12V/24V* (kg • lbs)	40 • 88	48 • 105	73 • 161	96 • 212	116 • 256	139 • 306	160 • 352	182 • 400	210 • 462	250 • 550	300 • 660	340 • 748
Typical boat size (ft • m)	20' - 28' • 6 - 8.5	26' - 34' • 8 - 10.5	29' - 38' • 9 - 12	35' - 48' • 10 - 15	35' - 55' • 12 - 17	42' - 60' • 13 - 18	42' - 62' • 13 - 19	44' - 64' • 14 - 20	50' - 70' • 15 - 22	55' - 78' • 17 - 24	60' - 84' • 18 - 25	74' - 100' • 22 - 30
Tunnel I.D. (mm • in)	125 • 4.92"	125 • 4.92"	185 • 7.3"	185 • 7.3"	185 • 7.3"	215 • 8.46"	250 • 9.8"	215 • 8.46"	250 • 9.8"	250 • 9.8"	300 • 11.8"	300 • 11.8"
Propulsion system	Single	Single	Single	Twin	Twin	Twin	Twin	Twin	Twin Counter rot.	Twin Counter rot.	Twin Counter rot.	Twin Counter rot.
Power at 10.5V/21V* (hp • Hp)	1.5 • 2	2.2 • 3	3.1 • 4	4.4 • 6	6.3 • 8.4	6.4 • 8.55	6.5 • 8.7	8.8 • 11.8	8 • 10.7	10 • 13.15	11.4 • 15.5	15 • 20
For DC system (V)	12	12	12/24	12/24	12/24	24	12/24	24	24	24	24	24 (48V motor)
Weight (kg • lbs)	9.5 • 21	10 • 22	16 • 35	20 • 44	31 • 68	34 • 74	37 • 77	38 • 79	44 • 97	68 • 150	70 • 154	73 • 160
Min. Batt. Cap (CCA** 12/24V)	200	300	350/175	550/300	750/400	400	750/400	560	550	650	700	2x450 - 24V
Item Code 12V	**SE30/125S(-IP)**	**SE40/125S(-IP)**	**SE60/185S-12V(-I2IP)**	**SE80/185T-12V(-I2IP)**	**SE100/185T-12V(-I2IP)**		**SE130/250T-12V(-I2IP)**					
Item Code 24V			**SE60/185S-24V(-24IP)**	**SE80/185T-24V(-24IP)**	**SE100/185T-24V(-24IP)**	**SE120/215T (-IP)**	**SE130/250T-24V(-24IP)**	**SE150/215T**	**SE170/250TC(-IP)**	**SE210/250TC**	**SP240TCi**	**SP285TCi**
Item Code 12V PRO	SEP30/125S(-IP)	SEP40/125S(-IP)	SEP60/185S-12V(-I2IP)	SEP80/185T-12V(-I2IP)	SEP100/185T-12V(-I2IP)		SEP130/250T-12V(-I2IP)					
Item Code 24V PRO			SEP60/185S-24V(-24IP)	SEP80/185T-24V(-24IP)	SEP100/185T-24V(-24IP)	SEP120/215T (-IP)	SEP130/250T-24V(-24IP)	SEP150/215T	SEP170/250TC(-IP)	SEP210/250TC	SEP240TCi	n/a

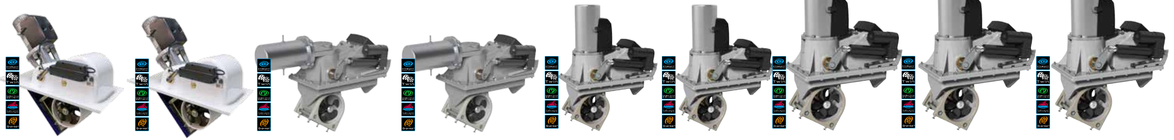
For detailed thruster features, specifications and measurements, please see our main DC Thruster catalogue or visit our website.

* All Side-Power thrusters gets their thrust rating from the actual performance you can expect in a boat, at the voltage a normal installation will provide at the thruster. We have chosen to use the net performance at 10.5V/21V, but we also list the effect at 12V/24V for comparison to other brands.
** All Battery CCA Ratings are stated at the DIN Rating, multiply by 1.9 to equal the SAE rating at 0°F which is ABYC standard. Cold cranking amperes (CCA) is the amount of current a battery can provide at 0 °F (-18 °C). The rating is defined as the current a lead-acid battery at that temperature can deliver for 30 seconds and maintain at least 1.2 volts per cell (7.2 volts for a 12-volt battery). It is a more demanding test than those at higher temperatures. This is the most widely used cranking measurement for comparison purposes.

EX Series

	EX 35 S	EX 55 S	EX 75 S	EX 95 S	EX 110 D	EX 180 D	EX 25 C	EX 40 C	EX 55 C	EX 70 C
Thrust at 11.5V/23V* (kg • lbs)	25 • 55	40 • 88	53 • 117	67 • 148	80 • 176	130 • 264	25 • 55	40 • 88	53 • 117	67 • 148
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	18' - 26' • 5 - 8	24' - 34' • 7,5 - 10,5	28' - 36' • 8,5 - 11	32' - 42' • 9,5 - 13
Tunnel internal diameter (mm • in)	150 • 5.9"	150 • 5.9"	150 • 5.9"	150 • 5.9"	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	Single	Single	Single	Single
Power at 10.5V/21V* (hp • 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	1,3 • 1,75	1,8 • 2,4	2,3 • 3,1	3,0 • 4,0
For DC system (V)	12	12	24	24	24	24	12	12	24	24
Weight (kg • lbs)	19,5 • 43	19,5 • 43	19,5 • 43	19,5 • 43	35 • 77	35 • 77	12 • 26,5	12 • 26,5	12 • 26,5	12 • 26,5
Min. Batt. Cap. (CCA** 12/24V)	170	225	150	190	250	375	170	225	150	190
Item Code 12V	**EX35S**	**EX55S**					**EX25C**	**EX40C**		
Item Code 24V			**EX75S**	**EX95S**	**EX110D**	**EX180D**			**EX55C**	**EX70C**

* Performance thrust equivalent (kgf x 1.4) due to increased leverage, depth of installation and short transverse tunnel. Read more in our complete DC Thruster presentation brochure or online.
** All Battery CCA Ratings are stated at the DIN Rating, multiply by 1.9 to equal the SAE rating at 0°F which is ABYC standard.



SR Series

	SR 80/185 T	SR 100/185 T	SRL 80/185 T	SRL 100/185 T	SRV 80/185 T	SRV 100/185 T	SRV 130/250 T	SRV 170/250 TC	SRV 210/250 TC
Thrust at 10.5V/21V* (kg • lbs)	80 • 176	100 • 220	80 • 176	100 • 220	80 • 176	100 • 220	130 • 284	170 • 374	210 • 462
Thrust at 12V/24V* (kg • lbs)	96 • 212	116 • 256	96 • 212	116 • 256	96 • 212	116 • 256	160 • 352	210 • 462	250 • 550
Typical boat size (ft • m)	35' - 48' • 10 - 15	35' - 55' • 12 - 17	35' - 48' • 10 - 15	35' - 55' • 12 - 17	35' - 48' • 10 - 15	35' - 55' • 12 - 17	42' - 62' • 13 - 19	50' - 70' • 15 - 22	55' - 78' • 17 - 24
Tunnel I.D. (mm • in)	185 • 7.3"	185 • 7.3"	185 • 7.3"	185 • 7.3"	185 • 7.3"	185 • 7.3"	250 • 9.8"	250 • 9.8"	250 • 9.8"
Propulsion system	Twin	Twin	Twin	Twin	Twin	Twin	Twin	Twin	Twin Counter rot.
Power at 10.5V/21V* (hp • Hp)	4.4 • 6	6.3 • 8.4	4.4 • 6	6.3 • 8.4	4.4 • 6	6.3 • 8.4	6.5 • 8.7	8 • 10.7	11 • 14.5
For DC system (V)	12/24	12/24	12/24	12/24	12/24	12/24	12/24	24	24
Weight (kg • lbs)	31 • 68	44 • 97	31 • 68	44 • 97	31 • 68	44 • 97	82 • 181	88 • 194	112 • 247
Min. Batt. Cap (CCA** 12/24V)	550/300	750/400	550/300	750/400	550/300	750/400	750/400	550	650
Installation	Mould-in	Mould-in	Flange	Flange	Flange	Flange	Flange	Flange	Flange
Item Code 12V	**SR80/185T-12V**	**SR100/185T-12V**	**SRL80/185T-12V**	**SRL100/185T-12V**	**SRV80/185T-12V**	**SRV100/185T-12V**	**SRV130/250T-12V**		
Item Code 24V	**SR80/185T-24V**	**SR100/185T-24V**	**SRL80/185T-24V**	**SRL100/185T-24V**	**SRV80/185T-24V**	**SRV100/185T-24V**	**SRV130/250T-24V**		
Item Code 12V PRO	SRP80/185T-12V	SRP100/185T-12V	SRLP80/185T-12V	SRLP100/185T-12V	SRVP80/185T-12V	SRVP100/185T-12V	SRVP130/250T-12V	**SRV170/250TC-24V**	
Item Code 24V PRO	SRP80/185T-24V	SRP100/185T-24V	SRLP80/185T-24V	SRLP100/185T-24V	SRVP80/185T-24V	SRVP100/185T-24V	SRVP130/250T-24V	SRVP170/250TC-24V	**SRV210/250TC-24V**

Note! SRL and SRV series can also be delivered in hydraulic versions.

EB / ES Series

	EB 20/110 S	EB 40/160 S	EB 60/160 S	EB 75/185 S	EB 90/185 S	ES 60/185 S
Thrust at 10.5V/21V* (kg • lbs)	20 • 44	40 • 88	60 • 132	75 • 165	90 • 198	60 • 132
Thrust at 12V/24V* (kg • lbs)	n/a	n/a	n/a	n/a	n/a	n/a
Typical boat size (ft • m)	up to 23' • 7	23' - 29' • 7 - 8.8	29' - 38' • 9 - 12	32' - 45' • 9,7 - 14	39' - 50' • 12 - 17	29' - 38' • 9 - 12
Tunnel I.D. (mm • in)	110 • 4.33"	160 • 6,3"	160 • 6,3"	185 • 7.3"	185 • 7.3"	185 • 7.3"
Propulsion system	Single	Single	Single	Single	Single	Single
Power at 10.5V/21V* (hp • Hp)	1,6 • 2.2	2,0 • 2,7	5,0 • 6,8	6,0 • 8,1	6,5 • 8,8	4,0 • 5,4
For DC system (V)	12	12	12/24	12/24	12/24	12
Weight (kg • lbs)	5 • 11	13 • 28,5	15 • 33	17 • 37,5	17 • 37,5	22 • 48,5
Min. Batt. Cap (CCA** 12/24V)	200	250	630/ 315	750/375	820/410	500
Item Code 12V	**EB20/110S**	**EB40/160S**	**EB60/160S-12V**	**EB75/185S-12V**	**EB90/185S-12V**	**ES60/160S-12V**
Item Code 24V			**EB60/160S-24V**	**EB75/185S-24V**	**EB90/185S-24V**	

SX Series

	SX 80/185 T	SX 100/185 T
Thrust at 10.5V/21V* (kg • lbs)	80 • 176	100 • 220
Thrust at 12V/24V* (kg • lbs)	96 • 212	116 • 256
Typical boat size (ft • m)	35' - 48' • 10 - 15	35' - 55' • 12 - 17
Tunnel I.D. (mm • in)	185 • 7.3"	185 • 7.3"
Propulsion system	Twin	Twin
Power at 10.5V/21V* (hp • Hp)	4.4 • 6	6.3 • 8.4
For DC system (V)	12/24	12/24
Weight (kg • lbs)	52 • 115	57 • 125
Min. Batt. Cap (CCA** 12/24V)	550/300	750/400
Item Code 12V	**SX80/185T-12V**	**SX100/185T-12V**
Item Code 24V	**SX80/185T-24V**	**SX100/185T-24V**
Item Code 12V PRO	SXP80/185T-12V	SXP100/185T-12V
Item Code 24V PRO	SXP80/185T-24V	SXP100/185T-24V

PPC800

All PRO version thrusters are delivered with the PPC800 DC Speed Control unit and S-Link connections as standard.

Even older Side-Power thrusters can be easily upgraded to speed controlled units with our upgrade kits:

8 1997: Upgrade kit for SR80/100
8 1998: Upgrade kit for SE100/120/210/240
8 1999: Upgrade kit forSE30/40/60/80/130/150/170

Contact your local Side-Power distributor to get the correct upgrade kit for older Side-Power thrusters. Due to their sealed construction, IP-models (including SX) must be upgraded by an authorized Side-Power Distributor!

SIDE-POWER
Thruster Systems

CONFIDENCE BY CONTROL

Thruster features:

S-LINK:
S-link is a "CAN" based control system with full intelligent communication between all units in the system, much like a computer network.

Main advantages include:
- Round, compact and waterproof plugs with unique keying and color coding to avoid faulty hookup
- Unlimited number of commands or information transfer on a single cable
- User feedback at panel
- Intelligent troubleshooting.

DC SPEED CONTROL:
A DC Speed Control system contains of three main elements; proportional control panels, a power control unit and a DC electric thruster - all tied together with the new S-link control system. The thrusters used in a speed control system is almost identical to the familiar SE range of DC thrusters, the only difference being the addition of a temperature sensor and a new electronic control box. All 12 & 24 volt DC electric thrusters produced by Side-Power can be enabled for DC Speed Control by authorized Side-Power service personnel, even the oldest models.

The gearhouse / drive legs of most Side-Power DC Electric thrusters are now fully galvanically isolated / separated from the electric motor and motor bracket. This ensures that even if there is an accidental short circuit or a current leak for other reasons, the immersed parts are not effected as they could be with direct electric contact.

To provide reliable and safe thruster installations in more boats, we offer modified versions of our DC electric thrusters in watertight housings for use in stern and other locations that may get wet or be exposed to gasoline fumes. The IP series thrusters are fully ignition protected (ISO 8846) for use in boats with gasoline engines. They have a hermetically sealed composite housing around all electric parts. This provides the ignition protection as no gasoline fumes can enter and be ignited by sparks.

The other advantage is that the electric parts that could be damaged by water are also covered and protected, making these thrusters the ideal choice for other stern thruster installations where it is difficult to ensure that the thruster will always remain dry.

- Noise reductions of up to 75% measured in controlled environments
- The expected and tested normal noise reduction in "average installations" 20-40%
- Upgrade kits are available for most "SP" series thrusters with special adaptors

- Provides delay between drive directions
- Monitors solenoid functions to reduce the chance of solenoid lock-in
- Will stop the thruster in case of a locked-in solenoid, without extra user action and even without controlling a main switch.

The thruster gear leg is filled with oil from a remote reservoir located above the waterline. This generates overpressure, making an effective seal against water intrusion in the gear leg.

- Separate oil reservoir placed above the waterline.
- Allows easy access for oil changes
- Having the advantage to be able to change oil in units used commercially, with hundreds of running hours per year.

Sealed gear leg with long-life "mechanical" seal where highly polished ceramic and carbon surfaces form the only moving sealing surfaces, ensuring protection against damaging water intrusion into the gear leg. Pre-filled with special gear oil for lifetime lubrication.

- "Mechanical" seals with surfaces of ceramic and carbon for ultimate security against water intrusion

A properly engineered single propeller system will be the most energy efficient thruster. Its compact design fits easily into narrow bows making it the perfect match for our smaller models. With more than 60.000 single propeller thrusters in use, the Sidepower single series system has proven its reliability.

The twin propeller system can give more thrust than a single propeller system in the same tunnel diameter. This is our choice for our mid-range models where high thrust is required in a small tunnel diameter. Due to the compact design and high performance, the twin models have become the thrusters of choice among boat builders around the world.

Two counter-rotating propellers can give the most thrust at a good performance ratio in a minimal tunnel diameter. This system is used in our larger thrusters for maximum power. The TC models are the favourite thrusters among leading boatbuilders for their high-end yachts.

No Compromise!

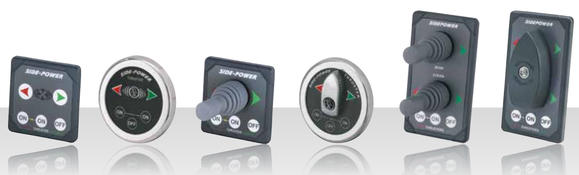
"If there`s one company that can claim overall leadership of the recreational boating market for bow and stern thrusters, it must be Norway`s Sleipner Motor. Its Side-Power brand sells worldwide with a broad model range that covers almost every permutation of thruster technology for boats from 20ft - 160ft."

- Bob Greenwood -
International Boat Industry,
October 2013

ISO 9001 CERTIFIED COMPANY

For more information about thruster accessories, please refer to our main catalog or our website: **www. side-power.com**

Control panels



Upgrade your Side-Power!

Go PRO

Upgrade your exisiting Side-Power to full proportional speed control with extended run-times and less noise.

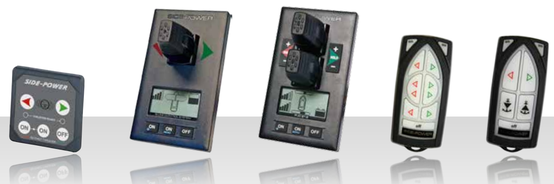
5-bladed Q-prop

- Up to 40% noise reduction
- Complete upgrade kits
- Increased thrust
- Easy mounting
- Great value!

Go mobile

Free yourself from the dash-board and increase your single handed docking abilities. The receiver accepts up to 4 independent transmitters.

S-Link control panels



Control panel	8950	8955	8960	8965	8940	8909	8700	PJC2I1	PJC2I2	RC-10	RC-11	RCS-10	RCS-11
Description	Touchpanel	Round touchpanel	Joystick panel	Boat switch panel	Dual joystick panel	Docking panel	Touch panel for retract	Single joystick for PRO	Dual joystick for PRO	Remote bow/stern	Remote bow/windlass	Remote bow/stern	Remote bow/windlass
H (mm • in)	70 • 2.75	Ø86.5 • 3.40	70 • 2.75	Ø86.5 • 3.40	120 • 4.73	120 • 4.73	70 • 2.75	141 • 5.55	141 • 5.55	95 • 3.74	95 • 3.74	95 • 3.74	95 • 3.74
W (mm • in)	70 • 2.75		70 • 2.75		70 • 2.75	70 • 2.75	70 • 2.75	83 • 3.27	83 • 3.27	48 • 1.89	48 • 1.89	48 • 1.89	48 • 1.89
Analog signal	Yes	Yes	Yes	Yes	Yes	Yes	-	-	-	Yes	Yes	-	-
S-Link digital signal	-	-	-	-	-	-	Yes	Yes	Yes	-	-	Yes	Yes
Multi-voltage	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Child safety	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
No. of thrusters	1	1	1	1	2	2	1	1	2	2	1	2	1
For PRO DC Speed Control	-	-	-	-	-	-	-	Yes	Yes	-	-	Yes (on/off only)	Yes (on/off only)
Item Code Grey	**8950 G**	**8955 G**	**8960 G**	**8965**	**8940 G**	**8909 C**	**8700**						
Item Code Black			**8960 S**		**8940 S**			**PJC2I1**	**PJC2I2**	**RC-10**	**RC-11**	**RCS-10**	**RCS-11**

Worldwide sales and service

Please check our website for your closest dealer

www.side-power.com

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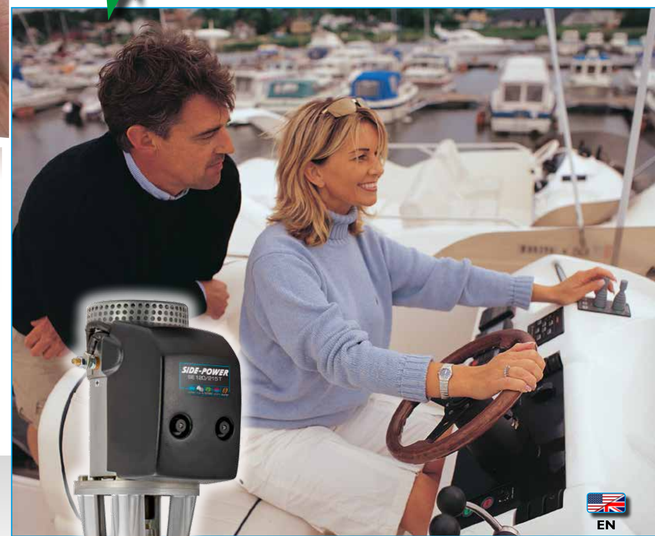
SIDE-POWER
Thruster Systems



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DC Thrusters

Model range 2014

Confidence by control