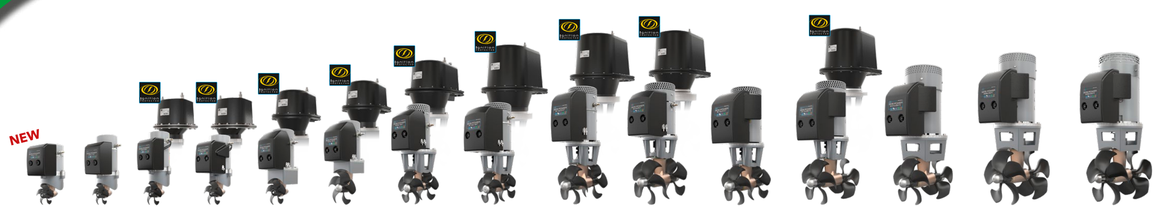
SIDE-POWER DC THRUSTER RANGE

THE WORLD'S MOST COMPLETE RANGE OF DC THRUSTERS!

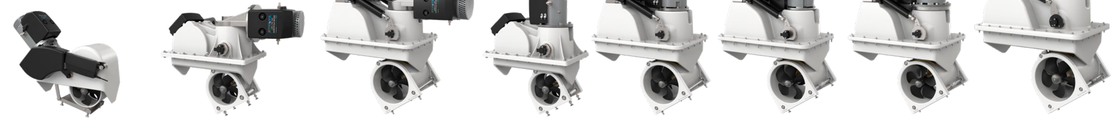


SE / IP Series

	SE 20/110S	SE 25/110S	SE 30/125S2	SE 40/125S2	SE 50/140S	SE 60/185S2	SE 80/185T	SE 100/185T	SE 120/215T	SE 130/250T	SE 150/215T	SE 170/250TC	SE 210/250TC	SE 250/300TC	SE 300/300TC
Thrust at 12V/24V* (kg • lbs)**	25 • 55	30 • 66	40 • 88	48 • 105	62 • 136	73 • 161	96 • 212	116 • 256	139 • 306	160 • 352	182 • 400	210 • 462	250 • 550	300 • 661	340 • 749
Thrust at 10.5V/21V* (kg • lbs)	20 • 44	25 • 55	30 • 66	40 • 88	50 • 110	60 • 132	80 • 176	100 • 220	120 • 264	130 • 284	150 • 330	170 • 374	210 • 462	250 • 551	300 • 661
Typical boat size (ft • m)	> 23' • > 7	> 24' • > 7	20' - 28' • 6 - 8.5	26' - 34' • 8 - 10.5	27' - 37' • 8 - 11	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	72' - 100' • 22 - 30
Tunnel I.D. (mm • in)	110 • 4.33"	110 • 4.33"	125 • 4.92"	125 • 4.92"	140 • 5.5"	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	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* (kw • hp)	1.5 • 2	1.5 • 2	1.5 • 2	2.2 • 3	2.4 • 3.2	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	12	12/24	12/24	12/24	12/24	24	12/24	24	24	24	24	24 (48V motor)
Weight (kg • lbs)	9.5 • 21	9.5 • 21	9.5 • 21	10 • 22	15 • 33	16 • 35	20 • 44	31 • 68	34 • 74	37 • 77	38 • 79	44 • 97	60 • 150	70 • 154	73 • 160
Min. Batt. Cap (CCA** 12/24V)	200	200	200	300	350/175	350/175	550/300	750/400	400	750/400	560	550	650	700	2x450 - 24V
Item Code 12V	SE20/110S	SE25/110S	SE30/125S2	SE40/125S2	SE50/140S-12V	SE60/185S2-12V	SE80/185T-12V	SE100/185T-12V		SE130/250T-12V					
Item Code 24V					SE50/140S-24V	SE60/185S2-24V	SE80/185T-24V	SE100/185T-24V	SE120/215T	SE130/250T-24V	SE150/215T	SE170/250TC	SE210/250TC	SE250/300TC	SE300/300TC
Item Code 12V PRO	SEP20/110S	SEP25/110S	SEP30/125S2	SEP40/125S2	SEP50/140S-12V	SEP60/185S2-12V	SEP80/185T-12V	SEP100/185T-12V		SEP130/250T-12V					
Item Code 24V PRO					SEP50/140S-24V	SEP60/185S2-24V	SEP80/185T-24V	SEP100/185T-24V	SEP120/215T	SEP130/250T-24V	SEP150/215T	SEP170/250TC	SEP210/250TC	SEP250/300TC	SEP300/300TC-48
Item Code 12V IP			SE30/125S2-IP	SE40/125S2-IP	SE50/140S-12IP	SE60/185S2-12IP	SE80/185T-12IP	SE100/185T-12IP		SE130/250T-12IP					
Item Code 24V IP					SE50/140S-24IP	SE60/185S2-24IP	SE80/185T-24IP	SE100/185T-24IP	SE120/215T-IP	SE130/250T-24IP		SE170/250TC-IP			
Item Code 12V PRO IP			SEP30/125S2-12IP	SEP40/125S2-12IP	SEP50/140S-12IP	SEP60/185S2-12IP	SEP80/185T-12IP	SEP100/185T-12IP		SEP130/250T-12IP					
Item Code 24V PRO IP				SEP40/125S2-24IP	SEP50/140S-24IP	SEP60/185S2-24IP	SEP80/185T-24IP	SEP100/185T-24IP	SEP120/215T-IP	SEP130/250T-24IP		SEP170/250TC-IP			

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 I.D. (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* (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	1,3 • 1.75	1,8 • 2.4	2,3 • 3.1	3,0 • 4.0
For DC system (V)	12	12	24	24	12	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			EX110D	EX180D	EX25C	EX40C	EX55C	EX70C
Item Code 24V			EX75S	EX95S						



SR Series

	SR 80/185 T	SR 100/185 T	SRL 80/185 T	SRL 100/185 T	SRL 130/250 T	SRL 170/250T	SRV 80/185 T	SRV 100/185 T	SRV 130/250 T	SRV 170/250 TC	SRV 210/250 TC	SRV 250/300 TC	SRV 300/300 TC
Thrust at 12V/24V* (kg • lbs)	96 • 212	116 • 256	96 • 212	116 • 256	160 • 352	210 • 462	96 • 212	116 • 256	160 • 352	210 • 462	250 • 550	300 • 661	340 • 749
Thrust at 10.5V/21V* (kg • lbs)	80 • 176	100 • 220	80 • 176	100 • 220	130 • 284	170 • 374	80 • 176	100 • 220	130 • 284	170 • 374	210 • 462	250 • 551	300 • 661
Typical boat size (ft • m)	35' - 48' • 10 - 15	35' - 55' • 12 - 17	35' - 48' • 10 - 15	35' - 55' • 12 - 17	42' - 62' • 13 - 19	50' - 70' • 15 - 22	35' - 48' • 10 - 15	35' - 55' • 12 - 17	42' - 62' • 13 - 19	50' - 70' • 15 - 22	55' - 78' • 17 - 24	60' - 84' • 18 - 25	72' - 98' • 22 - 30
Tunnel I.D. (mm • in)	185 • 7.3"	185 • 7.3"	185 • 7.3"	185 • 7.3"	250 • 9.8"	250 • 9.8"	185 • 7.3"	185 • 7.3"	250 • 9.8"	250 • 9.8"	250 • 9.8"	300 • 11.8"	300 • 11.8"
Propulsion system	Twin	Twin	Twin	Twin	Twin	Twin Counter rot.	Twin	Twin	Twin	Twin Counter rot.	Twin Counter rot.	Twin Counter rot.	Twin Counter rot.
Power at 10.5V/21V* (kw • hp)	4.4 • 6	6.3 • 8.4	4.4 • 6	6.3 • 8.4	6.5 • 8.7	8 • 10.7	4.4 • 6	6.3 • 8.4	6.5 • 8.7	8 • 10.7	11 • 14.5	11.4 • 15.5	15 • 20
For DC system (V)	12/24	12/24	12/24	12/24	12/24	24	12/24	12/24	12/24	24	24	24	24 (48V motor)
Weight (kg • lbs)	31 • 68	44 • 97	31 • 68	44 • 97	82 • 181	88 • 194	31 • 68	44 • 97	82 • 181	88 • 194	112 • 247	117 • 257	120 • 265
Min. Batt. Cap (CCA** 12/24V)	550/300	750/400	550/300	750/400	750/400	550	550/300	750/400	750/400	550	650	700	- / 2x450 - 24V
Installation	Mould-in	Mould-in	Flange	Flange	Flange	Flange	Flange	Flange	Flange	Flange	Flange	Flange	Flange
Item Code 12V	SR80/185T-12V	SR100/185T-12V	SRL80/185T-12V	SRL100/185T-12V	SRL130/250T-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	SRL130/250T-24V	SRL170/250T-24V	SRV80/185T-24V	SRV100/185T-24V	SRV130/250T-24V	SRV170/250TC-24V (-IP)	SRV210/250TC-24V	SRV250/300TC-24V	SRV300/300TC-48V
Item Code 12V PRO	SRP80/185T-12V	SRP100/185T-12V	SRLP80/185T-12V	SRLP100/185T-12V	SRLP130/250T-12V		SRVP80/185T-12V	SRVP100/185T-12V	SRVP130/250T-12V				
Item Code 24V PRO	SRP80/185T-24V	SRP100/185T-24V	SRLP80/185T-24V	SRLP100/185T-24V	SRLP130/250T-24V	SRLP170/250T-24V	SRVP80/185T-24V	SRVP100/185T-24V	SRVP130/250T-24V	SRVP170/250TC-24V (-IP)	SRVP210/250TC-24V	SRVP250/300TC-24V	SRVP300/300TC-48V

SX Series

	SX 80/185 T	SX 100/185 T
Thrust at 12V/24V* (kg • lbs)	96 • 212	116 • 256
Thrust at 10.5V/21V* (kg • lbs)	80 • 176	100 • 220
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* (kw • 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

SX series - the most compact external thrusters

- for boats up to 11 m/ 37 ft
- perfect choice for
- vessels with little inside space
- available in 35 & 50 kg thrust in four configurations
- ON/OFF & PRO version

Please sign up to our newsletter at www.side-power.com to stay up to date

SX Series

	SX 35/140	SX 50/140
Thrust at 12V/24V* (kg • lbs)	42 • 93	62 • 136
Thrust at 10.5V/21V* (kg • lbs)	35 • 77	50 • 110
Typical boat size (ft • m)	20' - 34' • 6 - 10.5	27' - 37' • 8 - 11
Tunnel I.D. (mm • in)	140 • 5.5"	140 • 5.5"
Propulsion system	Single	Single
Power at 10.5V/21V* (kw • hp)	1.8 • 2.4	2.6 • 3.5
For DC system (V)	12	12
Weight (kg • lbs)	11 • 24	11 • 24
Min. Batt. Cap (CCA** 12/24V)	380	665
Item Code 12V	SX35/140	SX50/140
Item Code 24V	-	-
Item Code 12V PRO	SXP35/140	SXP50/140
Item Code 24V PRO		

PPC520 & PPC820/840

All PRO version thrusters are delivered with the PPC 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 which include wiring and temp. sensor for DC Speed Control. PPC unit must be ordered seperately.
Upgrade kit for electric motor:
8 1997: Upgrade kit for SR80/100
8 1998: Upgrade kit for SE50/100/120/210/240/250/285/300
8 1999: Upgrade kit for SE25/30/40/60/80/130/150/170

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!

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

Some product pictures shown are 3D models and for illustration purpose only. Actual product may vary in color and structure.

* All Side-Power thrusters get 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 0oF 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.

*** 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.

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

PROPORTIONAL 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 70.000 single propeller thrusters in use, the Side-Power 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.

Worldwide sales and service

Please check our website for your closest dealer

www.side-power.com

Sleipner Motor AS
P.O. Box 519,
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Tel: +47 69 30 00 60
Fax: +47 69 30 00 70

Side-Power_DC_Thruster_Range_EN_41801_Aug_2019 © Sleipner Motor AS

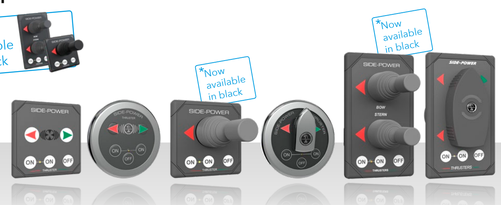
No Compromise!

"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

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.

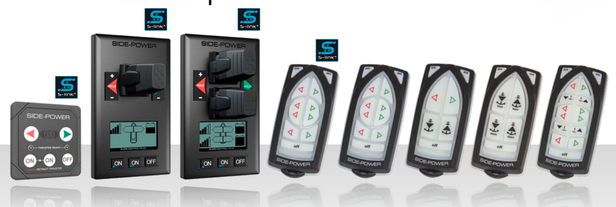
5-bladed Q-prop

- 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. New and updated RC-2 Series are now available.

S-link control panels



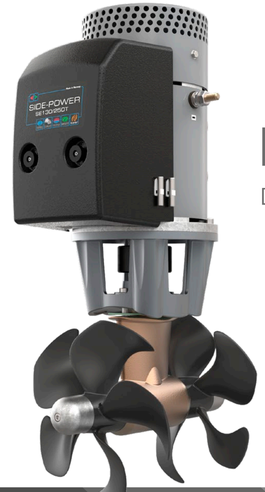
Control panel	8950	8955	8960	8965	8940	8909	8700	PJC211	PJC212	RCS-20	RC-20[1)]	RC-21[1)]	RC-22[1)]	RC-23[1)]
Description	Touchpanel	Round touchpanel	Joystick panel	Boat switch panel	Dual joystick panel	Docking panel	Touch panel for retract	Single joystick for PRO	Dual joystick for PRO	Remote bow/stern	Remote bow/stern	Remote bow/windlass	Remote bow/windlass	Remote bow x2/windlass x2
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	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	48 • 1.89
Analog signal	Yes	Yes	Yes	Yes	Yes	Yes	-	-	-	-	Yes	Yes	Yes	Yes
S-link digital signal	-	-	-	-	-	-	Yes	Yes	Yes	Yes	-	-	-	-
Multi-voltage	Yes	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	Yes
No. of thrusters	1	1	1	1	2	2	1	1	2	2	2	2	2	4
For PRO DC Speed Control	-	-	-	-	-	-	-	Yes	Yes	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**			**PJC211**	**PJC212**	**RCS-10**	**RC-20E**	**RC-21E**	**RC-22E**	**RC-23E**

[1)] Please contact your local Side-Power dealer for remote control availability in your country.

SIDE-POWER Thruster Systems

Model range

DC ELECTRIC THRUSTERS



THE WORLD'S MOST COMPLETE RANGE OF DC THRUSTERS 2019

MORE THAN 120 MODELS FOR BOATS UP TO 160 FT