

Product specification sheet

The very first step of our vision is the new E-series bow and stern thrusters incorporating the first electric motor designed specifically for marine thruster use. Our engineers have developed a highly efficient, compact and lightweight electric motor that rivals the most cutting edge motors used in the automotive industry today.

When combining our new, state-of-the-art electric motor with the proven Sleipner gearleg design and Q-Prop™ skew propeller, you get a thruster that delivers performance and runtime never seen before in a DC thruster. The result is the new E-series of thrusters.



E130/250T



E150/215T



E170/250TC



E210/250TC



E300/300TC

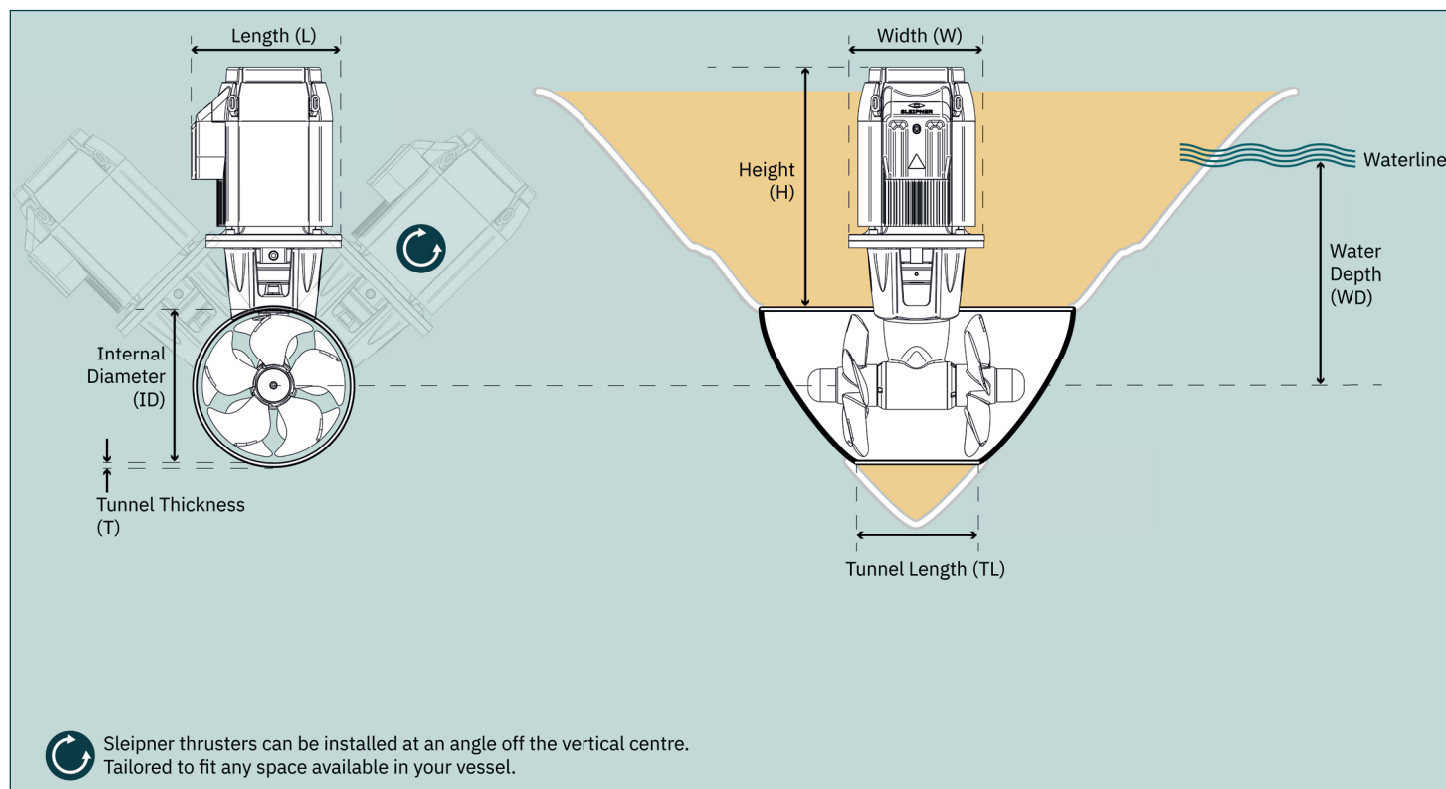
- Up to 50 percent lighter
- More compact
- Ignition protected
- Waterproof
- Industry leading run times
- Retrofit options
- Made in Norway
- Fast and easy installation
- S-Link™ control system
- 6 phase PMSM synchronous motor
- Designed for flexible scalability
- Hairpin stator
- Active air cooling
- Integrated inverter for variable speed control

Technical data E-series

E-series thrusters	E130/250T ERV130/250T	E150/215T	E170/250TC ERV170/250TC	E210/250TC ERV210/250TC	E300/300TC ERV300/300TC
Thrust at 21/42V ^(kg • lbs)	130 • 284	150 • 330	170 • 374	210 • 462	300 • 661
Typical boat size ^(ft • m)	42' - 63' • 13 - 19	44' - 65' • 14 - 20	50' - 70' • 15 - 22	55' - 78' • 17 - 24	72' - 100' • 22 - 30
Tunnel I.D. ^(mm • in)	250 • 9.8"	215 • 8.46"	250 • 9.84"	250 • 9.84"	300 • 11.8"
Propulsion system	Twin	Twin	Twin Counter rot.	Twin Counter rot.	Twin Counter rot.
Power at 21V/42 ^(kw • Hp)	5.6 • 7.5	9 • 12	8.3 • 11	12 • 16	15 • 20
For DC system ^(V)	24/48	24/48	24/48	24/48	48
Weight E/ERV ^(kg • lbs)	29 • 63/TBA	27 • 59/TBA	30 • 66/TBA	37 • 81/TBA	43 • 94/TBA
Nominal current draw 21V/42V (A) ¹	270/140	430/210	395/198	580/290	NA/360
Runtime @ 100% thrust ²	Continuous @ 22 °C ambient, typically limited by battery capacity				
Runtime @ balanced thrust ³	Continuous at up to 50 °C ambient – battery / DC supply is limitation				
Item Code tunnel thruster 24V	E130/250T-24V	E150/215T-24V	E170/250TC-24V	E210/250TC-24V	
Item Code 48V	E130/250T-48V	E150/215T-48V	E170/250TC-48V	E210/250TC-48V	E300/300TC-48V
Item Code retract thruster 24V	ERV130/250T-24V	ERV150/215T-24V	ERV170/250TC-24V	ERV210/250TC-24V	
Item Code 48V	ERV130/250T-48V	ERV150/215T-48V	E170/250TC-48V	ERV210/250TC-48V	ERV300/300TC-48V

- 1 Current draw depends on factors such as; voltage drop, battery health, cable lengths and dimensions, tunnel installation, ventilation, marine growth, and other relevant external factors.
- 2 The E-series provides industry-leading runtime at 100 percent thrust. Output power is automatically reduced to extend run time if needed.
- 3 Unlimited runtime is achieved by the motor's intelligence reducing the output based on the motor heating. Other factors like; battery size and capacity, tunnel installation, ventilation, and marine growth and more will typically also affect runtime and degree of necessary de-rating.

Measurements E-series



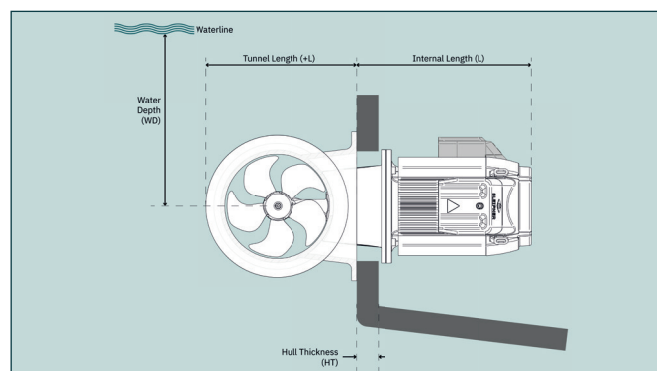
- Actual performances will vary for each installation depending on many factors.
- Specifications shown here are based on a thruster installed at a depth equal to one tunnel diameter and with DC electric power a thruster as shown.

E-series thrusters (mm • in)	H	L	W	ID	WD	TL	TL min.	(T min.)	(T max.)
E130/250T	387 • 15.2	285 • 11.2	258 • 10.2	250 • 9.8	250 • 9.8	322 • 12.7	273 • 10.7	7 • 0.28	9 • 0.35
E150/215T	387 • 15.2	285 • 11.2	258 • 10.2	215 • 8.46	215 • 8.46	280 • 11	235 • 9.3	7 • 0.28	9 • 0.35
E170/250TC	387 • 15.2	285 • 11.2	258 • 10.2	250 • 9.84	250 • 9.84	322 • 12.68	272 • 10.71	7 • 0.28	9 • 0.35
E210/250TC	427 • 16.8	285 • 11.2	258 • 10.2	250 • 9.84	250 • 9.84	322 • 12.68	272 • 10.71	7 • 0.28	9 • 0.35
E300/300TC	477 • 18.8	285 • 11.2	258 • 10.2	300 • 11.81	300 • 11.81	340 • 13.4	280 • 11	10 • 0.39	12 • 0.47

(H) Height
(L) Length
(W) Width
(ID) Internal Diameter
(WD) Water Depth
(TL) Recommended Tunnel Length
(TL min.) Minimum Tunnel Length
(T min.) Minimum Tunnel Wall Thickness
(T max.) Maximum Tunnel Wall Thickness

E-series thrusters (mm • in)	L	+L	HT max	WD
E130/250T	339 • 13.3	345 • 13.6	42 • 1.7	250 • 9.9
E150/215T	354,5 • 13.9	300 • 11.8	57 • 2.2	215 • 8.5
E170/250TC	339 • 13.3	344,5 • 13.6	42 • 1.7	250 • 9.8
E210/250TC	370 • 14.6	353 • 13.9	33 • 1.3	250 • 9.9
E300/300TC	427 • 16.5	419 • 16.5	50 • 1.9	300 • 11.81

(L) Internal Length
(+L) Tunnel Length
(WD) Stern Water Depth
(HT) Maximum Hull Thickness



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Alterations to actual product may occur.