



User manual

E-Series thrusters



Warnings & safety.....	3
Safety and precautions.....	3
Product specifications.....	4
Proportional control panel	5
Maintenance.....	6
Components overview.....	7
Basic troubleshooting.....	8
Advanced control panel troubleshooting	8
Fault code navigator	8

Products

- E30/125S-12V
- E40/125S-12V
- E50/140S-12V
- E50/140S-24V
- E60/185S-12V
- E60/185S-24V
- E80 N/A
- E95 N/A
- E100/185T-24V
- E120/215T-24V
- E130/250T-24V
- E150/215T-24V
- E170/250TC-24V
- E300/300TC-48V
- E340/300TC-48V
- E350/300TC-48V
- E420/386TC-48V

This manual must accompany the product at all times, in digital or printed format.

It is essential to read, understand, and follow all instructions, warnings, cautions, and procedures contained within this document. Failure to do so may result in serious injury, death, damage to property or equipment, product malfunction, and may affect warranty coverage.

Warnings and cautions requiring special attention are highlighted. Always read and understand the relevant safety information before using this product or performing any procedure described in this document.



WARNING

Indicates a hazardous situation which, if not avoided, could result in death or serious injury.



CAUTION

Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury or damage to the product.

MC_0800

Safety and precautions



Safety and precautions

The Safety and precautions manual included with the product contains important instructions for safe installation and operation. Read the safety and precautions manual before installing or operating the thruster system.

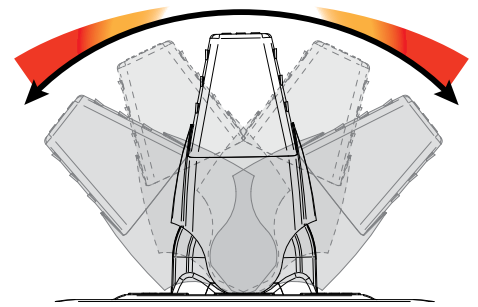
The manual is also available online. Scan the QR code or visit the technical documentation hub to access it: www.sleipnergroupp.com/document-hub

MC_1155

Product	Nominal Operating Voltage	Maximum Operating Voltage	Thrust kg / lbs at (V)	Power Output kW / hp	Weight kg / lbs	Maximum Operation Time
E30 12V			30 kg / 66 lbs			Runtime at 100% thrust: Continuous at 22°C ambient, typically limited by battery capacity
E40 12V			40 kg / 88 lbs			
E50 24V			50 kg / 110 lbs			
E60 24V			60 kg / 132 lbs			
E80 24V			80 kg / 176 lbs			
E95 24V			95 kg / 209 lbs			
E100 24V	21V	31V	100 kg / 220 lbs (21V)	5.6 kW / 7.6 hp		
E100 48V	42V	62V	100 kg / 220 lbs (42V)	5.6 kW / 7.6 hp		
E120 24V	21V	31V	120 kg / 264 lbs (21V)	6 kW / 8 hp	27 kg / 59 lbs	
E120 48V	42V	62V	120 kg / 264 lbs (42V)	6 kW / 8 hp	27 kg / 59 lbs	
E130 24V	21V	31V	130 kg / 284 lbs (21V)	5.1 kW / 6.8 hp	29 kg / 63 lbs	
E130 48V	42V	62V	130 kg / 284 lbs (42V)	5.1 kW / 6.8 hp	29 kg / 63 lbs	
E150 24V	21V	31V	150 kg / 330 lbs (21V)	8.1 kW / 10.9 hp	27 kg / 59 lbs	
E150 48V	42V	62V	150 kg / 330 lbs (42V)	8.1 kW / 10.9 hp	27 kg / 59 lbs	
E170 24V	21V	31V	170 kg / 374 lbs (21V)	7.3 kW / 9.9 hp	30 kg / 66 lbs	
E170 48V	42V	62V	170 kg / 374 lbs (42V)	7.3 kW / 9.9 hp	30 kg / 66 lbs	
E210 24V	21V	31V	210 kg / 462 lbs (21V)	10.4 kW / 14 hp	37 kg / 81 lbs	
E210 48V	42V	62V	210 kg / 462 lbs (42V)	10.4 kW / 14 hp	37 kg / 81 lbs	
E300 48V	42V	62V	300 kg / 661 lbs (42V)	15 kW / 20 hp	43 kg / 94 lbs	
E340 48V			340 kg / 749 lbs	16.5 kW / 22.1 hp	43 kg / 94 lbs	
E350HD 48V			350 kg / 771 lbs			
E420/386TC-48V			420 kg / 925 lbs			

Variable thrust power for proportional thrusters is dependent on the extent of the joystick/ throttle.

- For minimal thrust slightly move the joystick/ throttle in one direction.
- For maximum thrust move the joystick/ throttle to its end point.



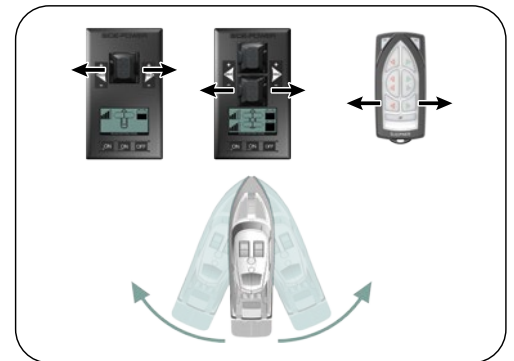
Activating the bow thruster

Using your control device/panel press the button or move the joystick in the direction you intend to turn the boat. Ensure to use the control device/ panel designated for the bow thruster.



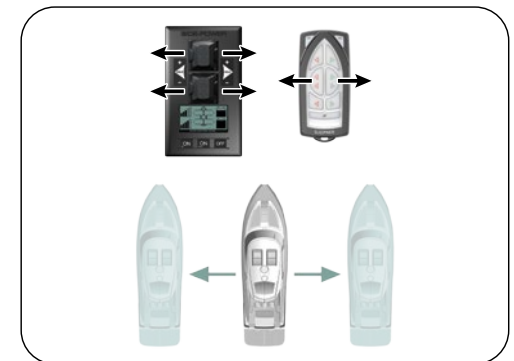
Activating the stern thruster

Using your control device/panel press the button or move the joystick in the direction you intend to turn the boat. Ensure to use the control device/ panel designated for the stern thruster.



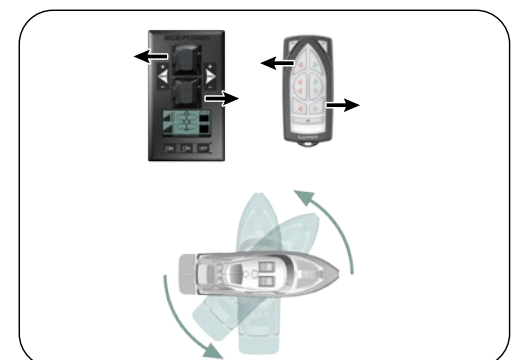
Activating full sideways maneuverer

Using your control device/panel press both buttons or move the joysticks in the same direction you intend to move the boat. Requires both a bow and stern thruster to perform.



Activating stationary spin to rotate the boat on its axis

Using your control device/panel press both buttons or move the joysticks in opposing directions. Requires both a bow and stern thruster to perform.



MC_1258

As a part of the seasonal service of your Thruster before every season, always check that:

Out of water

- Check the propeller(s) or tunnel for any damage for example impact damage.
- The propeller(s) is fastened securely to the gearleg.
- Check all components of thruster are fastened securely.
- Clean the tunnel and gearleg from marine growth.
- Paint the propeller and gearleg with anti-fouling before every season to keep it clean from sea growth. **Note: Never paint the anode, sealing or propeller shaft. Ensure paint does not enter the space between the propeller and the gearleg.**
- Change the anode before every season, or when half the anode has eroded. Always use a sealant or thread glue on the holding screw to ensure that it does not fall off.
- Check the gearleg is not leaking oil

In water

- The area around the thruster inside the boat is clean and dry. Ensure there are no signs of water leaks.
- All electrical connections are clean and fastened firmly.
- Ensure that your batteries are in good condition.

MC_0045

For ignition protected systems:



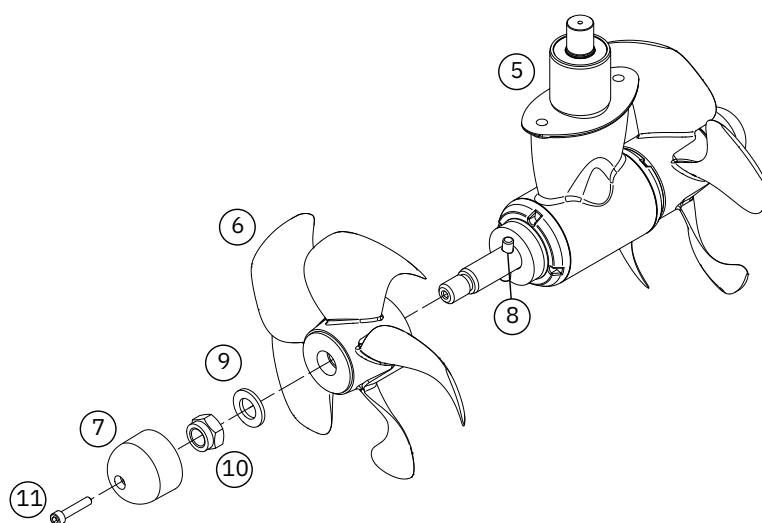
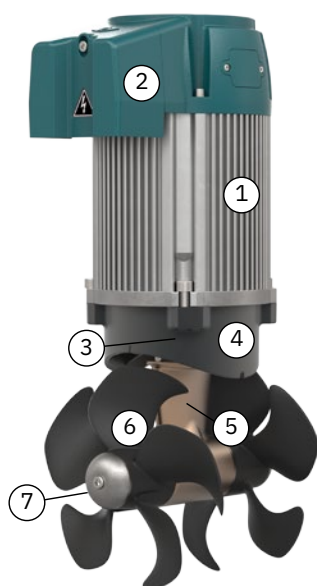
CAUTION

NEVER Disassemble any part of the Ignition Protected assembly. Tampering with the Ignition Protected assembly will cause it to lose this safety feature. If there is a problem with your Ignition Protected motor, please contact your dealer.

MC_0007

Seasonal checklist

Checks to perform	Done
The propeller is fastened securely to the gearleg.	
The thruster components are fastened securely.	
The area around the thruster is clean and dry. If there are signs of water, try to find the source and eliminate it.	
Apply the propeller and gearleg with anti-fouling.	
Batteries are in good condition.	
All electrical connections are clean and fastened firmly.	
Replace the anode.	



KEY:

- 1. Electro motor
- 2. Directional solenoids/ power & control cables
- 3. Coupling (inside motor bracket)
- 4. Motor bracket
- 5. Gearleg
- 6. Propeller
- 7. Anode
- 8. Propeller drive pin
- 9. Washer
- 10. Lock nut
- 11. Fastening screw for anode

MG_1140

Before seeking assistance from the website help desk or your Sleipner dealer/distributor, perform the following checks. If assistance is required to perform these checks, contact a Sleipner distributor.

CHECK	SOLUTION
The motor runs, but there is no thrust	
Check propellers are fitted, fastened correctly and there is no damage to the prop shaft.	Re-fasten or replace if necessary
Check the flexible coupling between the motor and drive shaft is fitted correctly and not damaged.	Replace if necessary
Check the gearleg is not damaged.	Replace if necessary
The thrusters performance is reduced	
Check the propeller, gear house and tunnel are free from growth/ barnacles or debris and damage.	Remove growth and clean. Note: If there is obstruction in the tunnel it will disturb/ block the water flow and significantly reduce performance.
Check the battery is in a good working condition.	Note: Keep the main engine(s) running in use to have a continuous charge to the batteries. • Check batteries are not worn out or in a bad charged condition • Check electrical connections/ wiring for damage or wear (corrosion) • Check cables are the correct size per the product manual • Tighten/ re-adjust connections
The thruster does not start/ works in only one direction or does not turn off	
Check the main switch is active/ on.	Open the main switch if it is closed.
Check all battery fuses are in good condition.	• Check batteries. • Check electrical connections/wiring for damage or wear (corrosion). • Tighten/ re-adjust and clean connections.
The thruster is not shutting off after the Joy Stick/ panel is disengaged.	Hit the main switch to disengage the thruster. Contact and consult a Sleipner distributor as the control system has been damaged.

Advanced control panel troubleshooting

Control panels operating on the S-Link system display all faults via the control panel interface or other warning methods. To review any issues with your product, please refer to the online Fault Code Navigator for a complete and up-to-date list of fault codes and troubleshooting guidance.

For additional supporting documentation, we advise you to visit our website:

www.sleipnergroupp.com/document-hub

MC_0352

Fault code navigator



Fault code navigator

Scan the QR code to access Sleipner's Fault code navigator. Enter a fault code to view the fault description and guidance on resolving the issue.

A complete list of fault codes and troubleshooting tips is also available for download:

www.sleipnergroupp.com/support/fault-code-navigator

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

This image shows a single page of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



SLEIPNER MOTOR AS

P.O. Box 519

N-1612 Fredrikstad

Norway

www.sleipnergroupp.com

Made in Norway

© Sleipner Motor AS. All rights reserved.

The information in this document was correct at the time of publication. However, Sleipner Motor AS accepts no liability for any inaccuracies or omissions it may contain. Continuous product improvement may result in changes to product specifications without prior notice. Consequently, Sleipner Motor AS accepts no liability for any differences between the product and this document. This document may contain content prepared with the assistance of artificial intelligence (AI). AI-assisted content has been reviewed and approved by Sleipner employees prior to publication.