



SeaTow 500 Electric Winch

STR offer an extensive range of field proven electric winch systems for marine applications

The STR SeaTow 500 is a latest generation compact and lightweight single phase AC electric winch designed for the installation of 500 m of 1/4" steel armoured tow cable.

Typical applications for this winch are sidescan sonar, combined sidescan sonar and sub-bottom profiler systems, marine magnetometers, gradiometers, oceanographic sensors and drop camera systems.

The SeaTow 500 offers improved performance and features above that of the STR ESW-500, including improved speed Vs line pull, user interface and remote operability, making it ideally suited for unmanned surface vessel applications.



SeaTow 500 Electric Winch

Key features

- Compact footprint
- Integrated variable speed drive
- Coax / multicore tow-cable and slip-ring
- Remote and local joystick control
- Precise direct drive diamond bar level wind
- Low maintenance
- Remote operation interface

TECHNICAL SPECIFICATIONS

Properties	DESCRIPTION
Motor	1.5 kW, variable speed
Supply	3.2 kW, single phase, 200 – 240 V, 50 / 60 Hz
Brake	Electrical disc brake integral with motor
Drum Capacity	500 m of 1 / 4" steel armoured cable (e.g. Rochester A304874 / A240250)
Drum Dimensions	Drum Ø 457 mm, Drum Width 357 mm, Cheek Ø 580 mm
Line Speed (at drum)	36 m / minute
Line Speed (at top)	42 m / minute
Line Pull WLL	320 kg
Handling	Load tested 4 point lift eyes
Level Wind	Diamond screw from shaft
Motor Regeneration	Internal resistive load to avoid regeneration onto input supply
Construction	Aluminium with powder coating finish
Slip-Ring	4 way slip ring fitted with MCBH6M connector and dummy plug
Joysticks	1x Local and 1x remote joystick control C/W 30 m remote cable. LCD user configuration and status interface, emergency stop button.
Safety Features	<ul style="list-style-type: none">• Multiple emergency stop buttons at operator stations and main unit• Moving parts contained within cage• Sounder beacon indicating operation• Low voltage control circuitry• Fail safe brake
Weight	280 kg (bare drum), 360 kg (500 m 1/4" Cable)
Dimensions	1.0 x 1.06 x 0.76 m (WxDxH)
Remote Interface	Customised remote control and diagnostic interfaces supported
Deck Fastenings	4 off removable bolt on sacrificial feet for welding to deck

All information contained in this brochure may be subject to change without prior notice.

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