



STR 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 light weight single phase AC electric winch designed for the installation of 500m 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 USV applications.

KEY FEATURES

- Compact footprint
- Integrated Variable Speed Drive
- Coax/Multicore Tow-cable & Slipping
- Remote and local joystick control
- Precise direct drive diamond bar level wind
- Low maintenance

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TECHNICAL SPECIFICATIONS

PROPERTIES	DESCRIPTION
MOTOR	1.5 kW, Variable speed
SUPPLY	3.2 kW, Single Phase, 200-240V, 50/60 Hz
BRAKE	Electrical disc brake integral with motor
DRUM CAPACITY	500m of 1/4" steel armoured cable (e.g. Rochester A304874 / A240250)
DRUM DIMENSIONS	Drum Ø457mm, Drum Width 810mm, Cheek Ø 900mm
LINE SPEED (AT DRUM)	29m/min
LINE SPEED (AT TOP)	35m/min
LINE PULL WLL	320kg
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 & Dummy Plug
JOYSTICKS	Local & remote joystick control. C/W LCD user configuration & status interface, Emergency Stop Button, 30m Remote Cable
WEIGHT	280kg (bare drum)
DIMENSIONS	1.0 x 1.06 x 0.76 m (WxDxH)
SAFETY FEATURES	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
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.