



# SeaTow 2000 Electric Winch

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

The STR SeaTow 2000 is a latest generation 3 phase electric winch designed for use with a range of steel armoured or soft tow cables.

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

The SeaTow 2000 offers fast line speeds whilst maintaining a high line pull capability. The SeaTow 2000 is packed full of technology to allow ease of operation, high reliability and high levels of safety. The electronic control system allows full control via external input / remote operator centres, whilst maintaining local control of all safety control systems.



# SeaTow 2000 Electric Winch

Designed to provide extremely low levels of electronic noise and has been extensively optimised and tested for operation as a full package with a number of towed sidescan sonar systems designed to support reliable and robust tow cable communications. STR has extensive experience in packaging winches, cables and sonar systems to ensure compatibility, reliability and maximum utilisation of cable length.

## Key features

- Compact footprint
- Integrated variable speed drive
- Coax / multicore tow-cable and slip-ring
- Remote and local joystick control
- User configurable level wind to suit cable diameter
- Low maintenance
- Remote Operator Centre interface
- High speed operation
- Fibre umbilical installation on request

## TECHNICAL SPECIFICATIONS

PROPERTIES	DESCRIPTION
Motor	12 kW 440 v 3 phase, 50 / 60 Hz
Brake	Electrical disc brake integral with motor
Drum Capacity	2000 m Rochester A302799
Drum Dimensions	Drum Ø460 mm, drum width 810 mm, cheek Ø900 mm
Line Speed (at drum)	0 to 53 m / min
Line Speed (at top)	0 to 91 m / min (2000 m of 11.43 mm cable)
Line Pull Wll	1150 kg
Handling	Load tested 4 point lift eyes
Level Wind	Electronically controlled lead screw
Motor Regeneration	Internal resistive load to avoid regeneration onto input supply
Construction	Steel with powder coating finish
Slip-ring	STR Internal 4 way slip-ring fitted with MCBH6M connector and dummy plug. Fibre and other options available on request
Joysticks	Local and remote joystick control. Coupled with LCD user configuration and status interface, Emergency Stop Button, 50 m Remote Cable
Safety Features	<ul style="list-style-type: none"><li>• Multiple emergency stop buttons at operator stations</li><li>• Moving parts contained within cage</li><li>• Sounder beacon indicating operation</li><li>• Low voltage control circuitry</li><li>• Fail safe brake</li></ul>
Weight	1300 kg (bare drum)
Dimensions	1.71 x 1.7 x 1.71 m (WxDxH)
Remote Interface	Customised remote control and diagnostic interfaces supported
Deck Fastenings	4 off removable bolt on sacrificial feet for welding to deck