



# SeaTow 6000 Electric Winch

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

The STR SeaTow 6000 is a latest generation 3 phase electric winch designed for use with a range of steel armoured or soft tow cables, including coaxial & fibre optic systems.

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

The SeaTow 6000 benefits from high performance, low power consumption, low electrical noise operation as well as high line pull capability. The SeaTow 6000 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 6000 Electric Winch

## Key features

- Supports coax / wireline / fibre cables
- High performance
- High efficiency
- Improved safety systems
- Configurable level wind
- Regeneration management
- Low electrical noise
- Remote operation interface

## TECHNICAL SPECIFICATIONS

PROPERTIES	DESCRIPTION
Motor	22 kW, 3 phase, 440 V, 50 / 60 Hz
Brake	Electrical disc brake integral with motor
Drum Capacity	6000 m 11.4 mm Rochester A302799
Drum Dimensions	Drum Ø 700 mm, drum width 1210 mm, cheek Ø 1350 mm
Line Speed (at drum)	48 m / minute
Line Speed (at top)	77 m / minute
Line Pull Wll	3000 kg
Handling	Load tested 4 point lift eyes
Level Wind	Automatic electric level wind coupled with user configurable cable diameter
Motor Regeneration	Internal resistive load to avoid regeneration onto input supply
Construction	<ul style="list-style-type: none"><li>• Epoxy coated steel frame</li><li>• Stainless enclosures</li><li>• Protective cage on all sides</li></ul>
Slip-ring	4 way slip ring fitted with MCBH6M connector and dummy plug. Fibre and other options available on request
Joysticks	Local and remote 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</li><li>• Moving parts contained within caged cube</li><li>• Sounder beacon indicating operation</li><li>• Low voltage control circuitry</li><li>• Thermal monitoring</li></ul>
Weight	4700 kg (bare drum) 8200 kg (fully loaded)
Dimensions	2.4 x 2.03 x 2.13 m (WxDxH)