



SUBSEA TECHNOLOGY & RENTALS

STR ESW-500 SERIES ELECTRIC WINCH

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



The STR ESW-500 is a 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.

KEY FEATURES

- Compact footprint
- Prepared for a range of electrical slip rings
- Remote and local pendant control
- Variable speed drive
- Precise direct drive diamond bar level wind
- Low maintenance

STR ESW-500 SERIES ELECTRIC WINCH

The STR ESW-500 is available in two variants:

The STR ESW-500-29/225 is a fast line speed model and the STR ESW-500-22/320 is a high torque model. Standard features for both models include a low maintenance powder coat finish, incorporated drum guard, precise cable level wind, precision variable speed drive with remote pendant control, fail-safe brake and emergency stop. All STR marine winches are designed with IP57 motor control enclosures and prepared for a range of maintenance-free slip ring units to suit most applications.

SUPPLY:

2.2kW, Single Phase, 187-254V AC, 50/60Hz,
15A supply recommended

BRAKE:

Electrical disc brake integral with motor

DRIVE:

Built-in Variable Speed Drive (VSD)

DRUM CAPACITY:

500m of 1/4" steel armoured cable
(e.g. Rochester A304874 / A240250)

OPERATION:

Dual Selectable Joystick

WEIGHT:

250kg (bare drum)

DIMENSIONS:

Width: 1.0m
Depth: 1.0m
Height: 0.76m
Drum Width: 0.357m
Drum Depth: 0.38m

Sacrificial steel deck fixing feet: 4 off 150x75x75mm

LEVEL WIND:

Chain driven diamond screw from shaft

HANDLING:

Load tested 4-point lift eyes

CONSTRUCTION:

Aluminium with powder coating finish

SLIP RING:

Customer specified

SAFETY:

Winch & joystick mounted emergency stop buttons.
Fail safe electromagnetic brake. Drum guard. Winch operation sounder beacon.

STR ESW-500-29/225

LINE SPEED (AT DRUM):

35m/min at top layer*
29m/min at drum*
(* = assuming 500m of
1/4" cable fitted)

MAX LINE PULL (AT DRUM):

225kg

BRAKE HOLDING CAPACITY:

2426Nm

STR ESW-500-22/320

LINE SPEED (AT DRUM):

28m/min at top layer*
22m/min at drum*
(* = assuming 500m of
1/4" cable fitted)

MAX LINE PULL (AT DRUM):

320kg

BRAKE HOLDING CAPACITY:

3076Nm

