

CSW-7 Portable Electric Winch

The CSW-7 is an electric winch designed for use in oceanographic and geophysical research. This model is capable of lifting and lowering most small instrumentation payloads, while remaining light enough for four people to transport. It has a drum capacity of 1000 m of 0.25" cable. A slip ring adapter can be added to accommodate Mercotac slip rings or Klein sonar (modified Focal Technologies 180) slip rings. For Focal Technologies Model 180 fluid slip rings, please refer to the CSW-8 winch.

Typical uses: CTD profiling, side scan sonar towing, Rosette water sampling and seafloor coring

Models:

1 HP to 3 HP permanent magnet motor @ 90/180 VDC (1.5 HP to 3 HP @ 180 VDC only) with regenerative drive controller powered by 110/220 VAC

***Please specify: cable diameter and length, desired line speed, and load capacity

Features:

- 90/180 VDC models use 110/220 VAC and a regenerative drive controller (NEMA 4 case) with overload protection and 10 ft cable
- Frame dimensions are 27" L x 20.5" W x 23.5" H (24.5" W with footpads at bottom)
- With 22 inch reel, overall height is approximately 37"
- Nominal weight 210 to 285 lbs (without cable) depending on motor and gearbox selected
- Positive action "dog-clutch" allows free-wheeling for towing and paying out of line
- Torque adjustable manual disc brake for towing
- Shear pin lock
- Manual hand crank backup
- Drum capacity variable dependent on core selection, e.g. 600 m of 0.315" line
- Slip ring ready - two to eight conductor slip rings are available
- Watertight 3H Sub Sea connectors used on all connections except 110/220 VAC
- Wooden shipping and storage box

Options:

- Powered level wind
- Removable cable feed
- Slip rings
- Greater line capacity

