

Hydraulic deep-sea winch

The winch has been designed for deep water coring allowing using one cable for hoisting and electrical power supply.



This winch is hydraulic driven with a separate hydraulic unit with a slip ring. The hoisting/electrical cable has a length of 1,000m (diameter 30 mm). The breaking strength is 50 tons.

Dimensions winch unit

L x W x H =

1,657 x 2,465 x 2,365 mm

Weight 8,000 kg (including 1,000m cable)

Dimensions hydraulic unit

L x W x H =

2,000 x 1,500 x 1,600 mm

Weight 4,000kg

Electric power

380 V (3 phase 50 Hz)

2 x 30 kW electro motor

Auxiliary

Nominal line pull at layer 1 = 120 kN
at 50/min

Nominal line pull at layer 5 = 102 kN
at 59m/min

Two sperate electro motors with seperate hydro pumps are used to generate hydraulic pressure for the winch.

It is possible to use only one electro motor at half hoisting speed



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