



for 1500 m umbilical

Umbilical Winch

SPT Offshore



SPT Offshore operates an umbilical winch which stores 1500m of umbilical. From this winch a water depth of 1250m can be reached. The winch is designed for the lowering and retrieval of the umbilical.

The winch has a pulling capacity of 2500 kg.

Further the umbilical handling system comes with an overboarding sheave and a banana sheave for easy handling and overboarding.

The umbilical winch is outfitted in a transport frame with 4x 7 mT rigging system for easy loading/unloading.

The winch can be fitted into a 20' standard transport container.



Main specifications for 1500m umbilical winch

Winch dimensions

- Overall dimensions:
 - Length 4100 mm
 - Height 2200 mm
 - Width 1920 mm
- Drum dimensions
 - Core length 2520 mm
 - Core diameter 850 mm
 - Flange diameter 1442 mm
- Weight (excl. oil, umbilical, slip ring) 5.1 mT
- Total weight (incl. oil, umbilical, slip ring) 8.6 mT
- Drum capacity (umbilical in 7 layers) 1500 m
- Umbilical diameter 38-42 mm

Construction

- Hydraulic motor Voac F12-30
- Hydraulic tank 250 l
- Electric motor 30 kW 3x400V - 50Hz
35 kW 3x440V - 60Hz
- Brake system Hydraulic parking disc-brake
Brake force: 1.5 x pulling force
- Controls Mounted on winch Control valve local and remote control for pay in/out
- Slip ring Electrical/fibre optic

Performance

- Static load top layer: 17.5 kN
- Winch performance (60 Hz):
 - Max pull 1st layer: 25 kN
 - Max speed 1st layer: 0-39 m/min
 - Max pull 7th layer: 17 kN
 - Max speed 7th layer: 0-60 m/min

Lifting

- Rigging: 4x7 mT (sling+shackles)

Power requirements

- powered by: 440V – 60Hz
400V – 50 Hz

