

Lightweight Wireline Unit



The **WILITEC lightweight wireline unit** has been designed for slickline activities where the weight or the footprint are very important. The unit is a dual lift packs, a winch and a power pack; and are very suitable for all onshore and offshore operations in all conditions.

The Close Loop Hydraulic system is based on a rugged variable displacement motor (400bars- 5800psi) for a wide range of application. It allows running at high speed, performing fast acceleration and stable logging at low speed.

Depth and Tension display are made with mechanical Veeder Root and hydraulic dial indicator. Optional recording system (zone2 equipment with associated sensors) available upon request.

A versatile unit for
your Slickline, Fishing
and Production
Logging operations.

Application

Slickline : From 0.092" cable to 0.125" / Braided line 3/16"

Dimensions & Weights (excluding drum & wire)

Single Drum Winch Module

dimension (L x W x H)	m	1.90 x 1.370 x 1.38	ft	6.23 x 4.49 x 4.53
weight	kg	1300	lbs	2866

Double Drum Winch Module

dimension (L x W x H)	m	2.60 x 1.370 x 1.38	ft	8.53 x 4.49 x 4.53
weight	kg	1550	lbs	3086



Hydraulic Drive System

- Close Loop Hydraulic system
- Powerful 400 bars (5800psi)
- Variable Displacement motor
- Capable of fast acceleration and high speed
- Hydraulic dynamic braking
- Low maintenance

Winch System & Drums

- Winch chain driven
- Gearbox Reducer ratio 5.33:1
- Chain reduction ratio 2.67:1
- Fail safe spring return positive brake
- Drums compatible ASEP NOV SC06/BC06 series
- Slickline capacity (W700,OD600,ID350)
 - 0.108" : 64kft
 - 0.125" : 48kft
 - 3/16" : 21kft

Depth & Tension

- Three wheels 16" Measuring Head with integral load cell
- Maximum tension up to 9000lbs (4000Kg)
- Load dial indicator 4000lbs
- Mechanical Depth counter Veeder Root type
- Option : battery digital display with magnetic encoder

Performances

Drum W700,ODFlange 600,IDCore 350

- Max Line speed at ID core 260m/mn, 850ft/mn
- Max Line speed at OD flange 445m/mn, 1460ft/mn
- Or
- Max Line pull at ID core 4815kg, 10620lbs
- Max Line pull at OD flange 2810kg, 6195lbs

Control Panel

- Hydraulic Main Pressure Gauge
- Winch direction and speed control valve
- Line tension valve
- Brake control
- Emergency stop button
- Horn

Features & Benefits

- Frame fully certified DNV 2.7-1 or EN12079
- Open operator station on winch with light canopy
- Compatible Zone2 or UL Class1 Division 2

Options

- Single or Double drum
- Jacking wheels
- Monitoring system : data logger to monitor and record real-time depth, tension and line pull.



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