SlimLine

The SlimLine onepiece winch unit is the solution when space is at a premium, the operator needs an enclosed cabin, and ease of deployment is critical. This highly compact, versatile, self-contained wireline winch unit can be ordered in single or dual-drum configuration, allowing you to conduct both slickline and logging operations using a single unit. The standard configuration comprises a self-contained power pack, control cabin and winch module in an ATEX certified Zone 2 configuration. The unit is also available in Zone 1 or Rig Safe configuration.

With the SlimLine you can switch between every imaginable well servicing activity without having to have another winch, operator or engineer on the rig, saving you time, money and production downtime. Featuring the dependable field-proven Elmar closed loop hydraulic system used in Elmar winches on oil fields worldwide, the SlimLine is one of the industry's most compact all-weather solution for today's dynamic world of well servicing.

Dimensions & Weights (excl. winch drum & wire)

Power Pack / Cabin / Winch: (L) 3.60 m, 11.81 ft (W) 1.35 m, 4.43 ft (H) 2.70 m, 8.86 ft (Weight) 5,200 kg, 11,464 lbs
Power Pack / Cabin / Winch, incl. Airconditioning: (L) 3.60 m, 11.81 ft (W) 1.35 m, 4.43 ft (H) 3.00 m, 9.84 ft (Weight) 5,200 kg, 11,464 lbs

Hydraulic Drive System

- Powerful 400 bar (5,800 psi) closed loop hydraulic system
- Variable displacement hydraulic pump and hydraulic motor
- Capable of stable logging
- Capable of fast acceleration and extremely high speeds
- Hydraulic tank: 90 Litres (23.8 US Gallon)
- Hydraulic dynamic braking
- Low maintenance system

Slickline Operations

Based on 30,000 ft 0.125" wire on SC06 drum, tool weight 150 lbs:
- Max. Line speed at core 303 m/min, 994 ft/min
- Max. Line speed at OD 463 m/min, 1,520 ft/min or
- Max. Line pull at core 3,838 kg, 8,462 lbs
- Max. Line pull at OD 2,904 kg, 6,404 lbs

Based on 25,000 ft 7/32" wire on BC06 drum, tool weight 350 lbs:
- Max. Line speed at core 152 m/min, 499 ft/min
- Max. Line speed at OD 417 m/min, 1,367 ft/min or
- Max. Line pull at core 4,622 kg, 10,189 lbs
- Max. Line pull at OD 3,050 kg, 6,725 lbs

Winch System

- Winch Drum SC05, SC06, SC08, SC09, BC06 (refer to Winch Drum Foldout for detailed information)
- Winch drum is chain driven

Winch System (cont.)

- Fail safe spring return brake
- Planetary gearbox ratio 5,8:1 / 7:1
- Wire sizes from 0.092" slickline to 1/4" braided line

Depth & Tension System

- MP16 II measuring head with integral load cell
- CombiGauge combined weight indicator and depth counter

Power Pack

- Engine: water-cooled four cylinder Caterpillar diesel engine providing 54 kW (72 HP) @ 2,200 rpm
- Starter system: air / hydraulic / spring / electric
- Electrical rig supply: 115 VAC 60 Hz / 230 VAC 50 Hz
- Control voltage: 24 VDC (by internal converter)
- Diesel reservoir: 120 Litres, 31.7 US Gallon

Control Panel

- Hydraulic main pressure gauge
- RPM gauge
- Line tension valve
- Throttle control
- Winch direction and speed control valve
- Air pressure
- Brake control
- Emergency stop button

Features & Benefits

- Powerful water-cooled four cylinder diesel engine delivering up to 54 kW (72 HP)
- One or two drums for well servicing from logging to slickline and heavy duty fishing
- Comfortable cabin in a compact footprint
- One operator and one winch for logistical convenience
- Excellent jarring characteristics
- Ergonomic, safe and responsive operator controls
- Minimum servicing requirements equals maximum availability
- Superior sound and thermal insulation exceed industry compliance requirements
- Reliable Elmar patended closed loop hydraulic system
- Optional ASEP SmartMonitor: sophisticated display system for speed, depth and tension with automatic shutdown
- Customising options available, because every customer has different needs

Options

- Arctic Package
- Desert Package
- Air Conditioner
- BOP Control
- Stuffingbox Control
- SmartMonitor 12"
- MP20 Measuring Head

ASEP Product Line