

## U WINCH

U Winch is a two piece wireline winch unit comprising power pack module with 84 hp zone II rated diesel engine and enclosed winch operator cabin and winch module. Unit can be transported as a single lift. This compact, versatile, self contained wireline winch unit may be supplied in single or dual drum configuration. The system is suitable for cased hole slickline , braided line and mono conductor operations.

With U wireline winch we can switch between every imaginable well servicing activity without having to have another winch , operator or engineer on the rig , saving the time , money and production down time.

We also manufacture, truck mounted heavy duty winch, survey winch & customised winch.



<p><b>DIMENSION &amp; WEIGHTS:</b> Power Pack Module: (L) 1.17m, (W) 1.65m, (H) 2.425m Winch Module: (L) 3.35m, (W) 1.50m, (H) 2.425m Weights are specific to customer's requirements.</p> <p><b>HYDRAULIC DRIVE SYSTEM:</b></p> <ul style="list-style-type: none"> <li>Powerful 375 bar (5,438 psi) closed loop hydraulic system.</li> <li>Variable displacement hydraulic pump and hydraulic motor.</li> <li>Capable of stable / logging at ultra low speed.</li> <li>Capable of fast acceleration at extremely high speeds for effective jarring.</li> <li>Hydraulic tank – 150 liters</li> <li>Low maintenance system</li> </ul> <p><b>SLICKLINE OPERATIONS:</b></p> <ul style="list-style-type: none"> <li>Max line speed at core – 1600 ft/min</li> <li>Max line speed at rim/surface – 2700 ft/min</li> <li>Max line pull at core – 9000 lbs</li> <li>Max line pull at rim/surface – 5000 lbs</li> </ul> <p><b>WINCH SYSTEM:</b></p> <ul style="list-style-type: none"> <li>Drum capacity – 25000 ft</li> <li>Designed for super light duty – 0.092" to super heavy duty – 0.140" slickline operations.</li> <li>Winch drum is driven by hydraulic motor via planetary gearbox with chain sprocket system.</li> <li>Planetary gear box ratio – 5.17:1</li> <li>Fail safe spring return brake</li> </ul>	<p><b>DEPTH &amp; TENSION SYSTEM:</b></p> <ul style="list-style-type: none"> <li>Compact &amp; light weight two or three wheel wrap design and no change of pulleys is required with the change of wire.</li> <li>Digital data display and recorder to measure depth, tension and line speed. Data can be downloaded to a USB.</li> <li>Overpull shutdown system at desired line pull i.e 80% breaking strength of wire.</li> <li>Capable of being folded up and restrained during non – operational time and during mobilization (to avoid damage).</li> <li>Hydraulically assisted measuring head spooling system.</li> <li>Air cylinder operated shock absorbing balanced measuring head support arm.</li> <li>Wire can be removed from measuring head without cutting.</li> </ul> <p><b>POWER PACK:</b></p> <ul style="list-style-type: none"> <li>Powerful 4 cylinder JCB diesel engine provide 84 hp @ 2400 RPM.</li> <li>Standard starter is mechanical recoil spring starter.</li> <li>Control voltage 24 VDC (by self excited alternator)</li> <li>Diesel reservoir – 80 liters</li> <li>Engine controls – start &amp; stop / RPM meter / monitoring and safety system.</li> </ul> <p><b>CONTROL PANEL:</b> Ergonomic , safe and responsive operator controls &amp; gauges.</p> <ul style="list-style-type: none"> <li>Hydraulic main pressure gauge</li> <li>RPM gauge</li> <li>Line tension valve</li> <li>Throttle control</li> <li>Winch direction and speed control valve</li> <li>Air pressure</li> <li>Brake control</li> <li>Emergency stop button</li> </ul>	<p><b>FEATURES &amp; BENEFITS:</b></p> <ul style="list-style-type: none"> <li>Powerful water cooled four cylinder diesel engine delivering up to 84 hp.</li> <li>One or two drums for well servicing from logging to slickline and heavy duty fishing.</li> <li>Comfortable cabin in a compact foot print.</li> <li>Ergonomic, safe and responsive operator controls.</li> <li>Minimum servicing requirements equals maximum availability.</li> <li>Superior sound and thermal insulation exceed industry compliance requirements.</li> <li>Reliable closed loop hydraulic system for smooth control and extremely slow logging speeds.</li> <li>Optional slickline sophisticated control system for safe, high precision automatic operation.</li> <li>Customizing options as per customer's different needs.</li> </ul> <p><b>OPTIONS:</b></p> <ul style="list-style-type: none"> <li>Light weight aluminum frame.</li> <li>Open loop/closed loop hydraulic system.</li> <li>Air conditioner</li> <li>Slickline Hoistman's Touch Screen Panel.</li> </ul>
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