

# 4Te SWL UMBILICAL WINCH

GENERAL	
Typical Application	Plough LARS
Design	Lloyds
Environment	Safe Area
Weight	
Standard (Empty Drum)	11Te
Operating Temperature	
Standard	-10°C to +45°C
Deck Mounting	
No. Mount Points	4
Mount Configuration	Bolted plate, welded to deck
Padeyes	
Main Lift	4-point to DNV 2.7-3 with sling set
Hydraulic Power Unit	
Motor rating	37kW @ 380-440VAC, 3-Phase, 60Hz
Filtration	Pressure and Return with by-pass
Reservoir	Integral to Frame with Air Breather and Drain
HPU Mounting	Can be mounted on top of the winch or on the deck.

DIMENSIONS	
Extremities	
Length	5166mm
Width	3320mm
Height (HPU mounted on top)	4507mm
Drum	
Length (between flanges)	3200mm
Core Diameter	1600mm
Flange Diameter	2420mm



PERFORMANCE	
Line Pull	
Rendering	Up to 5Te
Line Tension (Top Layer)	4Te
Winch Speed	
Render Speed	Up to 30m/min
Umbilical capacity	
40mm (Typical) (Plain drum to allow for change of umbilical size)	4000m
Drive	
Hydraulic	Bosch Rexroth (Hagglund)
Brake	Direct Acting
Spooling	
Fleeting Carriage	Lead screw driven along drum, cable exit position constant
Hydraulic	
Supply (max)	250bar/400LPM
Fittings	All Stainless Steel
Connection	Quick release couplings
Cooling	Overhead Deluge System (Spray bar and nozzles)
Drip Tray	Integral to winch frame base with drain ports / plugs
Secondary Cooling	Air blast cooler

CONTROL	
Winch Control & Indicators	
Remote operation possible	Proportional In / Out
Pay-Out Length	Emergency Stop / Reset Interlocked with HPU
Umbilical Cable Tension	Hydraulic System Pressure
Hydraulic Brake Pressure	Hydraulic Render Pressure
	Optional IP67 CCD Observation Camera
HPU Controls & Indicators	
Motor Start / Stop (panel control only)	System Pressure / Flow Adjust
Solenoid A/B Active (Pendant Control only)	High Oil Temperature Shutdown
Low Oil Level Automatic Cut-off	High Oil Level Automatic Shutdown
Low oil Level	Oil Level Sight Gauge
System Pressure Gauge	High Oil Temperature Indicator
Hours Run Meter	Motor Running Indicator
	E-Stop Indicator