

40T HYDRAULIC SPOOLING WINCH & 75KW ELECTRIC HPU

Technical Specification Sheet



ASSET # SPH 40-001 & 002 - 40T HYDRAULIC SPOOLING WINCHES

ASSET # Y2A3021001-001 & 002 - 75KW ELECTRIC HPU'S

1.0 ASSET SPECIFICATIONS

40TE WLL HYDRAULIC SPOOLING WINCHES - SPH 40-001 & 002

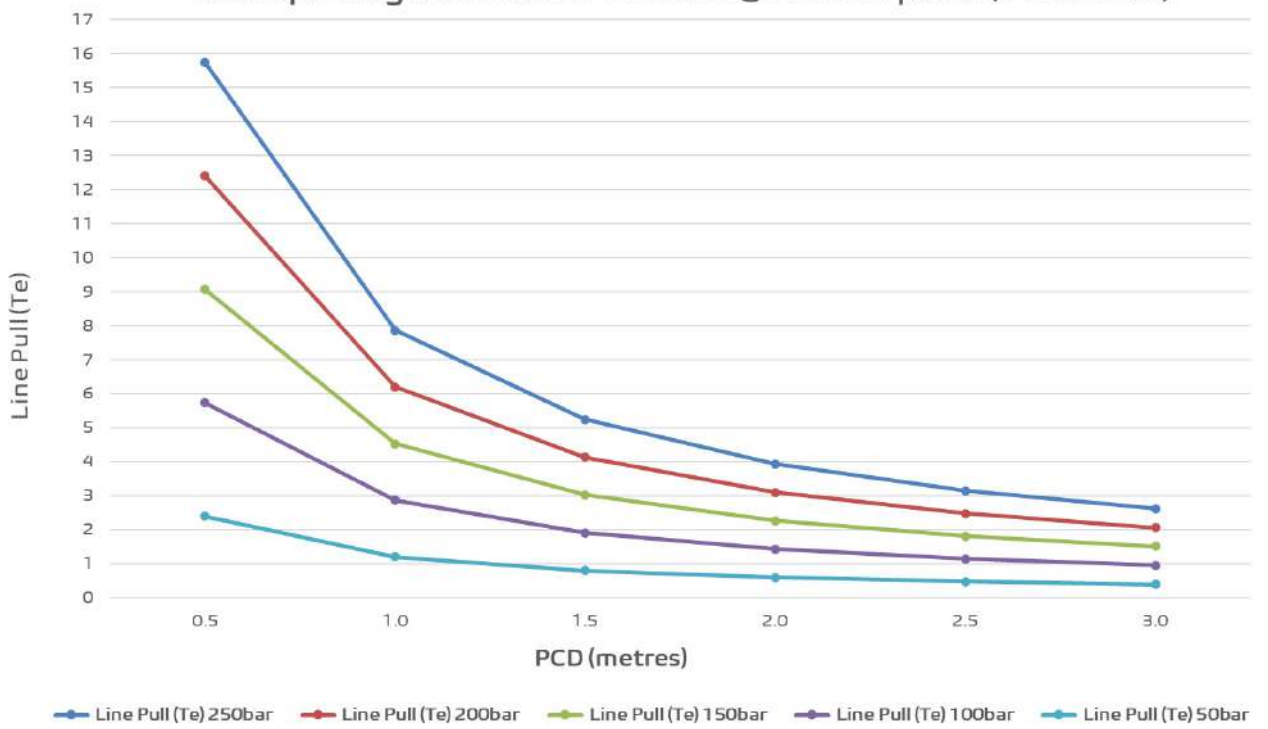
This Hydraulic Spooling winch is designed to rotate reels of wire, rope or umbilical. There are 2 removable shafts of 3" & 8" diameter that support the reel through a hole in the centre. The shaft acts like an axle. The unit can accept reels up to 40 Tonnes in weight and is powered by a stand-alone 75kW Safe Area Electric HPU with 5m Hose Sets to the Control Station.

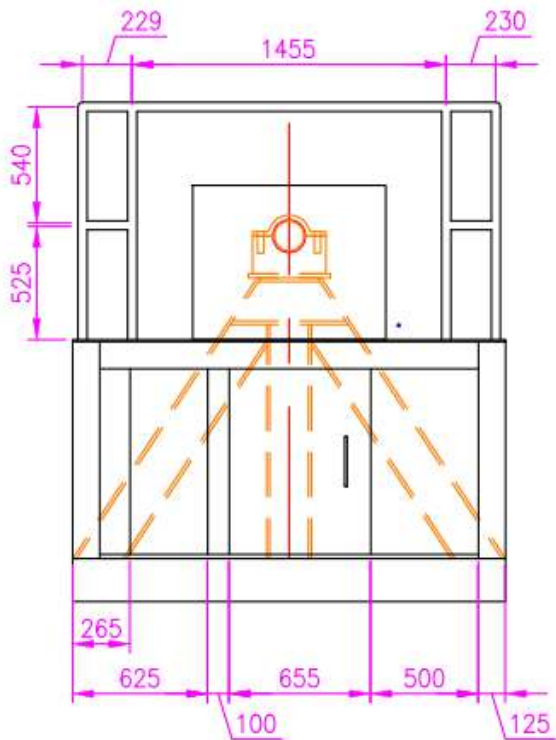
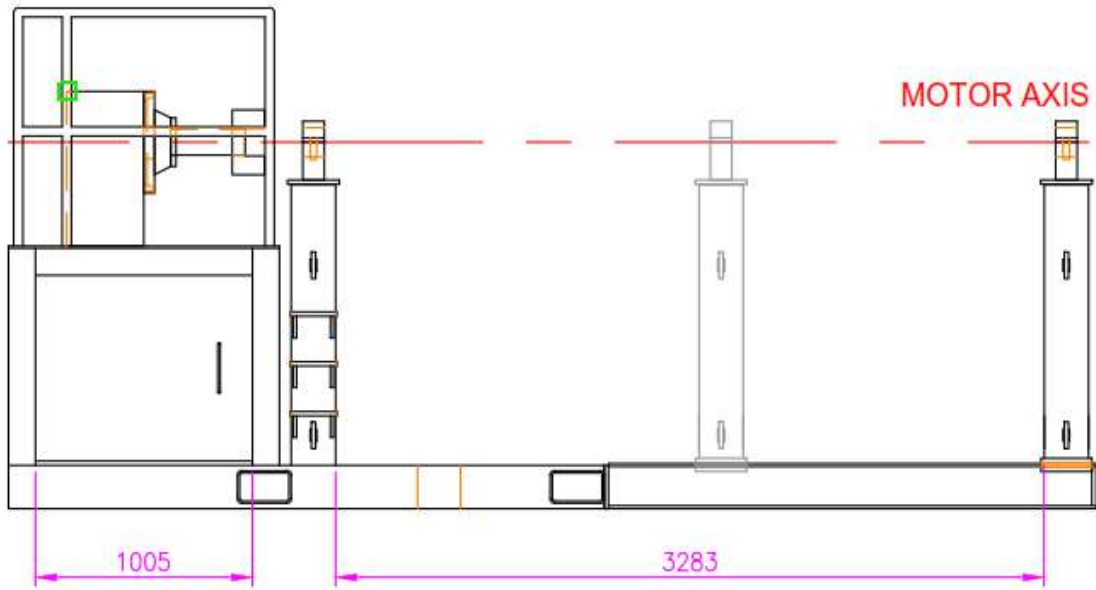
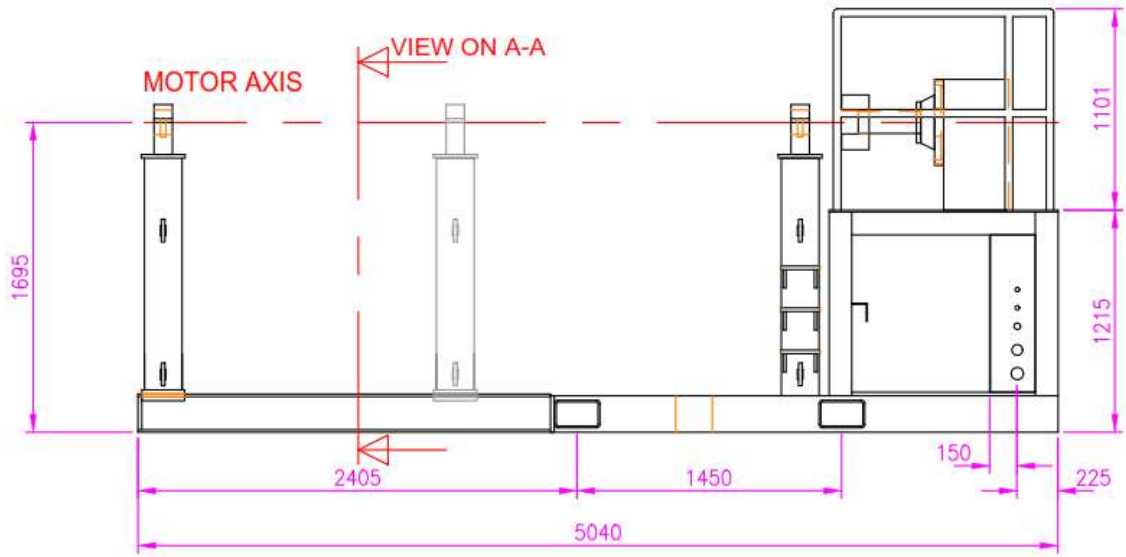
The winch can accept reels of various dimensions. The end pedestal is Movable and can be moved along the base frame to accommodate any width of reel up to a maximum of 3000mm, and retracted to accept a minimum of 1000mm, with a maximum of 3000mm Flange Diameter.

The reel is directly driven through an Oldham Coupling by a Hagglands Viking 11L Hydraulic Motor, with a bi-directional braking system operating on the motor casing.

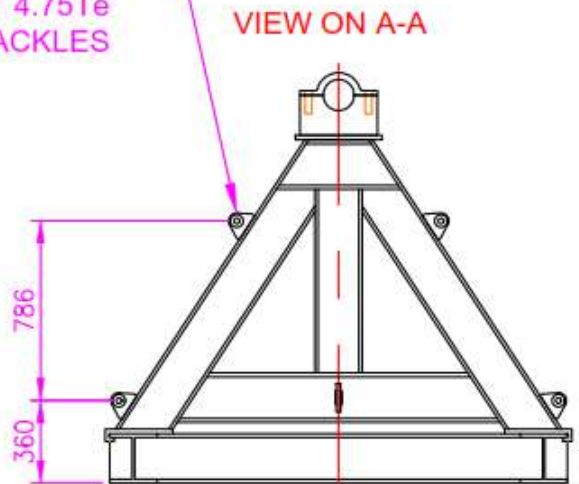
EQUIPMENT ID	
ASSET ID #	2540MM
WEIGHT & DIMENSIONS	
LENGTH:	5040MM
WIDTH:	2270MM
HEIGHT:	2316MM
WEIGHT:	GROSS: 5000KGS
LIFTING:	FITTED WITH 4 LEG WIRE ROPE ASSEMBLY - 4-POINT LIFTING ARRANGEMENT
CAPACITY	
MAX REEL DIAMETER:	3000MM
REEL LENGTH:	3000MM
MAX REEL WEIGHT:	40TE
DRIVE	
DRIVE TYPE:	DIRECT DRIVE
MOTOR:	HAGGLUNDS VIKING 64 SERIES 11L MOTOR FIXED DISPLACEMENT
MOTOR TYPE:	RADIAL PISTON SINGLE SPEED
WORKING PRESSURE:	250 BAR MAX WP
BRAKE	
TYPE:	AUTOMATIC FAILSAFE BI-DIRECTIONAL BAND BRAKE ASSEMBLY
BRAKE CAPACITY :	1.45 x MAXIMUM PULL CAPACITY (65,000Nm TORQUE HOLD CAPACITY)
OPERATING CONTROLS	
TYPE:	HYDRANOR / SERVI 8MB REMOTE CONTROL PEDESTAL WITH MAM VALVE
CONTROLS:	DIRECTIONAL CONTROL VALVE (DCV) WITH CT PRESSURE AND DISPLACEMENT CONTROL & SINGLE SIDED COUNTERBALANCE
Rules & Regulations	
The Pressure Equipment Directive 97/23/EC	
The Machinery Directive 2006/42/EC	
BS EN 12079	
ISO 9001/2008	
PUWER & LOLER	

40te Spooling Winch Line Pull Chart @ 250 Bar pMax(11 L Motor)





ALL TIE
DOWN POINTS
TO SUIT 4.75Te
SHACKLES



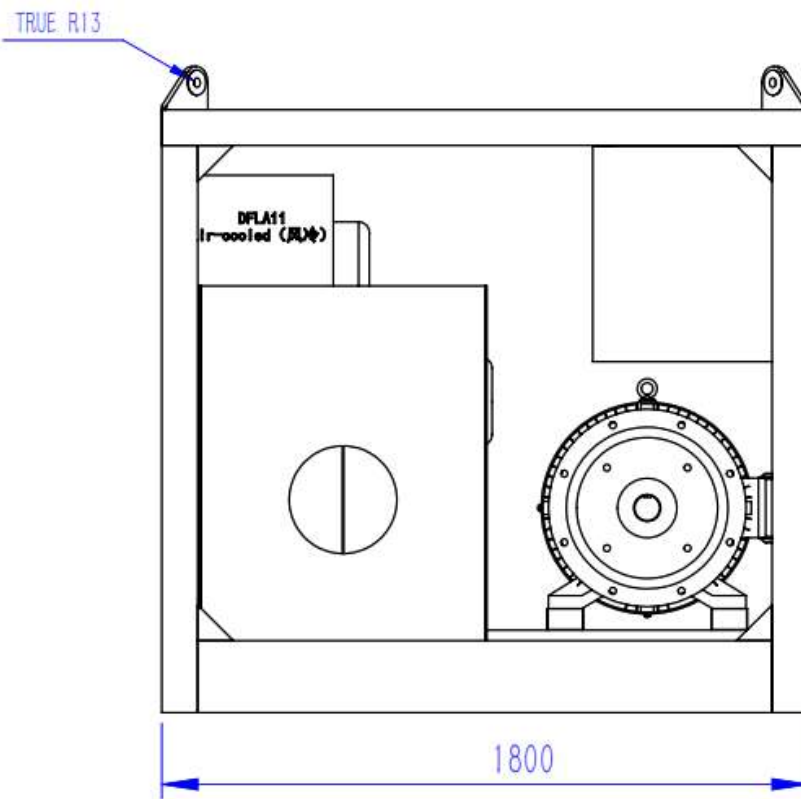
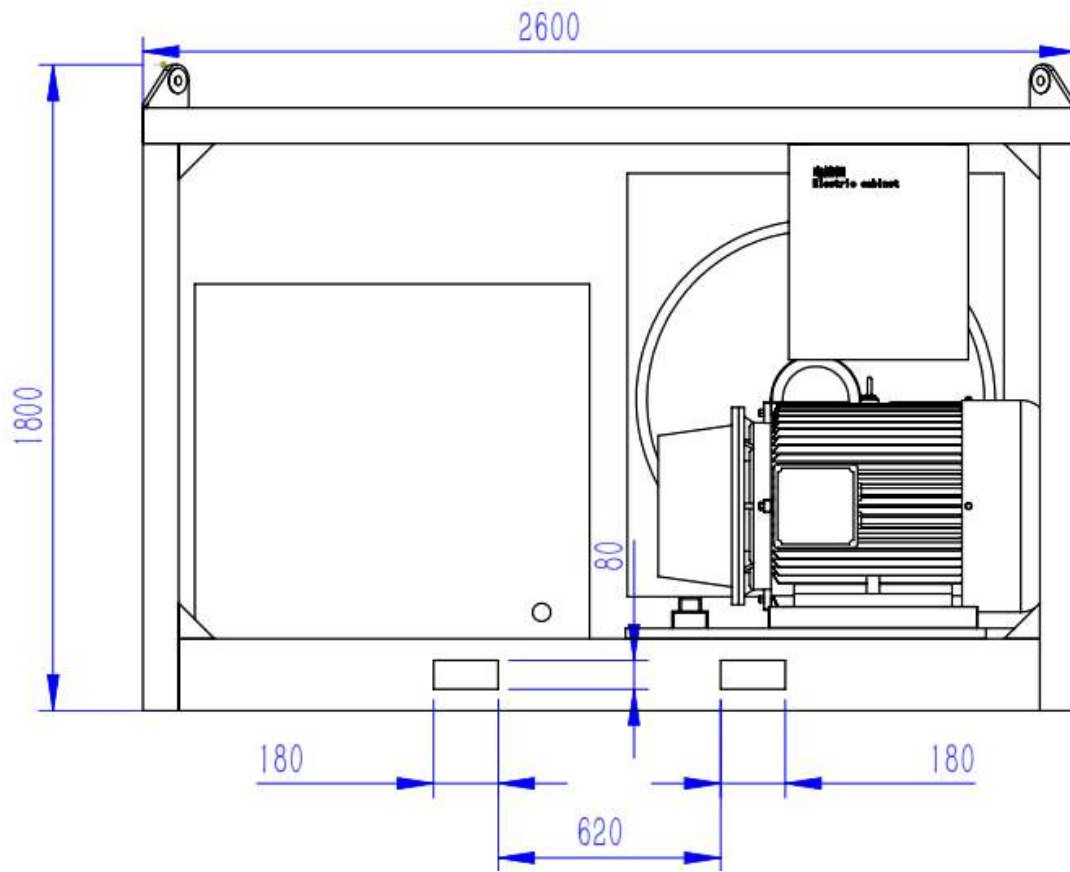
75kW SAFE AREA ELECTRIC HPU'S - Y2A3021001-001 & 002

A multi-purpose HPU designed to provide power to hydraulic equipment such as winches. The unit is fitted with a hydraulic, pressure compensated, Load Sensing piston pump, driven by a 75kW Electric HPU.

The reservoir, motor, pump, hydraulic pipe work, valves, Cooler, and all filters are all housed within a crash frame.

The Unit is in Compliance with the Pressure Directive 97/23/EC, Machinery Directive 2006/42/EC, BSEN 12079, LOLER 1998 and PUWER 1998 regulations.

FRAMEWORK	
LENGTH:	2600MM
WIDTH:	1800MM
HEIGHT:	1800MM
WEIGHT:	4000KGS
LIFTING:	4 LIFTING POINTS & FORKLIFT POCKETS
ELECTRICS	
MOTOR:	JIANGSU SHILONG ELECTRIC 75KW/90kW @ 380/440v, 139.2/120A, 1480/1780R/MIN
MODEL:	JIANGSU SHILONG 2211615/2211616
FRAME MATERIAL:	CAST IRON
DEGREE OF PROTECTION:	IP56
HPU CONTROLS:	STAR DELTA STARTER
SUPPLY CABLE:	10M
HYDRAULICS:	
OPEN / CLOSED SYSTEM:	OPEN LOOP
PUMP:	DANFOSS LS TYPE D1P193RA TPSNT E4 Y2 B1
PUMP MODEL:	193CC LOAD SENSING PUMP
AUXILIARY CIRCUIT	1 X HALDEX 1804243 12CC GEAR PUMP WITH UNLOADER VALVE – NOT IN USE IN THIS APPLICATION – ALL PORTS PLUGGED
FILTRATION:	HI-PRESSURE XINXIANG LEFILTER PLF-H100*10P XINXIANG LEFILTER PLF-H500*10FP RETURN LINE XINXIANG LEFILTER RFA-630*20FG
RESERVOIR:	800 LITRE CAPACITY
HYDRAULIC OIL TYPE:	ISO 68 FILLED FOR HIGHER AMBIENT OPERATIONS
COOLER:	AIR BLAST
COOLER TYPE:	AIR BLAST COOLER – ELEC POWERED
MAX OIL FLOW:	265 L/MIN (SET AT 125L/MIN FOR THIS APPLICATION)
MAX PRESSURE:	350 BAR (SYSTEM CONFIGURED TO 250BAR FOR THIS APPLICATION)
RULES & REGULATIONS	
THE PRESSURE EQUIPMENT DIRECTIVE 97/23/EC	
THE MACHINERY DIRECTIVE 2006/42/EC	
BS EN 12079	
ISO 9001/2008	
PUWER	
LOLER	



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