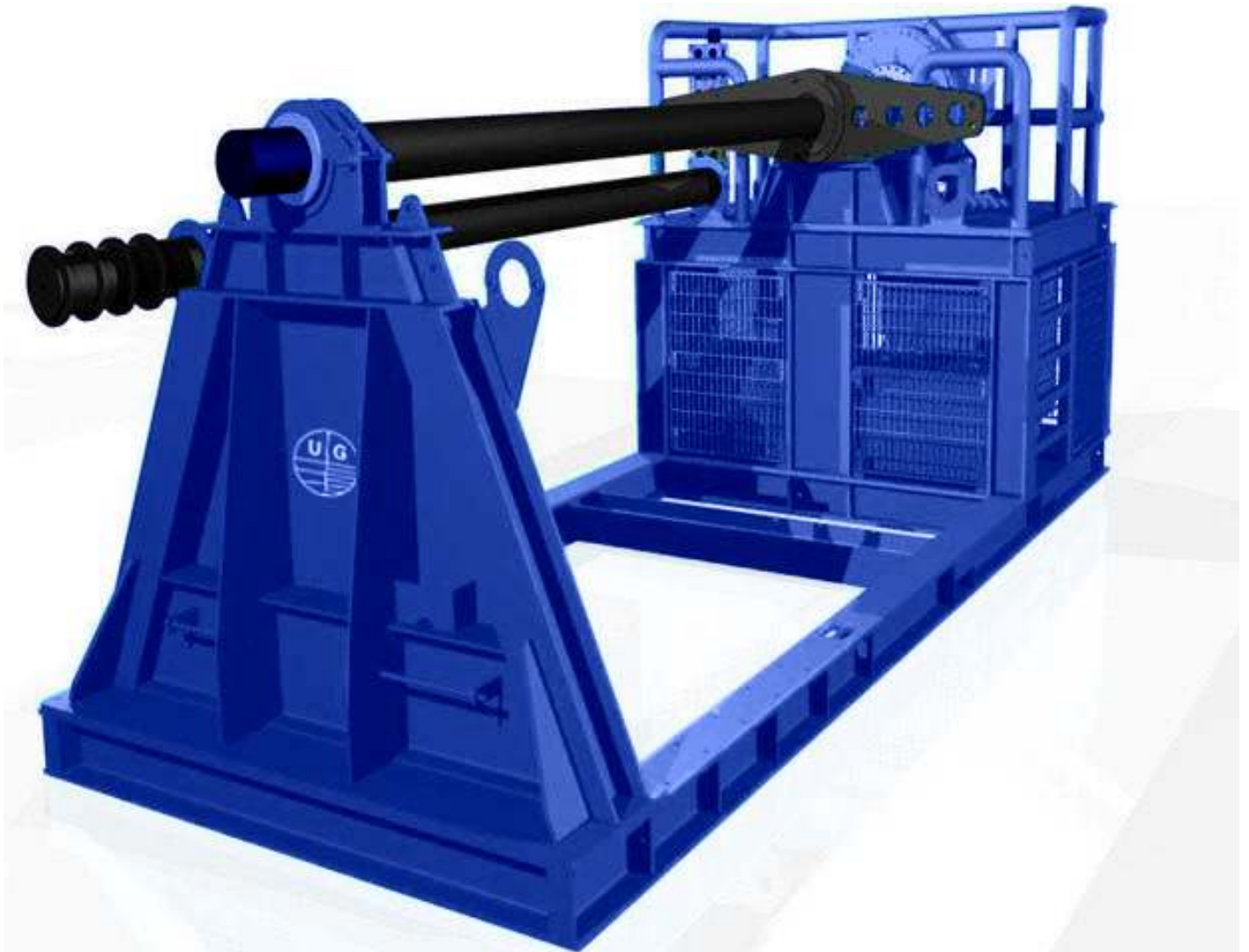


## 80TE Spooling Winch

Technical Specification Sheet



# 1.0 TECHNICAL DATA

## 1.1 Equipment Specification

| <b>Equipment ID</b>                |  |
|------------------------------------|--|
| Asset Id:                          | SPH80-001- 80t Hydraulic Spooler   |
| Owner:                             | UNIQUE SYSTEM FZE  |
| <b>Framework</b>                   |  |
| Length:                            | 6480mm   |
| Width:                             | 2520mm   |
| Height:                            | 2425mm   |
| Max reel dia:                      | 3500mm   |
| Min reel width:                    | 3750mm   |
| Weight:                            | Tare – 10,000Kg  |
| Lifting:                           | Fitted with forklift pockets & 4 point lifting sling set fitted (without reel)   |
| Design Temperature:                | -10 - +40  |
| Guarding                           | All moving parts guarded, with the exception of the back and front of reel   |
| <b>Shafts, bushes and supports</b> |  |
| Shaft(s):                          | 180mm (7") and 230mm (9")  |
| Locking collar:                    | 2 x locking collars to suit above shafts   |
| Bushes:                            | 1 x Bronze split bush / adaptors to enable shafts to fit bearing blocks  |
| Bearing blocks:                    | Quick release  |
| Pedestal:                          | Adjustable end pedestal to accommodate different reel widths   |
| Coupling:                          | Oldham   |
| <b>Drive Unit</b>                  |  |
| Motor:                             | Hagglund 16.3L displacement  |
| Motor model:                       | Viking Motor – 64 Series   |
| Brake:                             | Hagglund BA 63 brake band assembly, BCI-M-10 brake cylinder  |
| Clutch:                            | Fitted to allow safe fitting and removal of main drive shaft   |
| <b>Controls</b>                    |  |
| Hydraulic control System:          | Connect to remote control station, refer to specific operational & maintenance manual for further guidance<br>Drive Unit – clutch engage / disengage control<br>SD5 2 speed valve fitted   |
| Mechanical Controls:               | Deep Sea Electronics 3110  |
| <b>Hydraulic System</b>            |  |
| Pump:                              | Denison closed loop  |
| Hydraulic filters:                 | <ul style="list-style-type: none"> <li>Tank top mounted return filter assembly – MPF1002AG3A25HBVR, c/w 25 absolute inorganic glass fibre beta 1000 element (spare element – MF1002A25NB)</li> <li>In-line pressure filter assembly – FMM0504BADA06NP01V7, c/w 6 absolute inorganic glass fibre beat 1000 element (spare element – HP0504A06AN)</li> </ul> |
| Hydraulic reservoir:               | 380L Capacity  |
| Cooling system:                    | Air blast cooler fitted with hydraulic driven fan – HR60   |
| <b>Mechanical Components:</b>      |  |
| Diesel Engine:                     | 4 cyl, turbocharged, 120kW<br>Emissions compliant NRMM stage 3A / EPA Tier 3<br>Model – 320/50301  |
| Engine Filters:                    | Engine Oil – 320/04133<br>Air – 32/917804<br>Primary – 32/925694<br>Secondary – 32/907155  |
| <b>Surface Coating:</b>            |  |
| Stage 1:                           | Shotblasted to SA2.5   |
| Stage 2:                           | Single coat of two-pack Jotamastic 80 high build marine primer, colour - Grey  |
| Stage 3:                           | Single coat of a two-pack Hardtop AS marine grade paint, color – RAL 5011  |

**Rules & Regulations:**

The Machinery Directive – 2006/42/EC  
 The Pressure Equipment Directive – 2014/68/EU  
 PUWER  
 LOLER  
 BS EN 13414  
 CE Marked  
 IP 56 rated

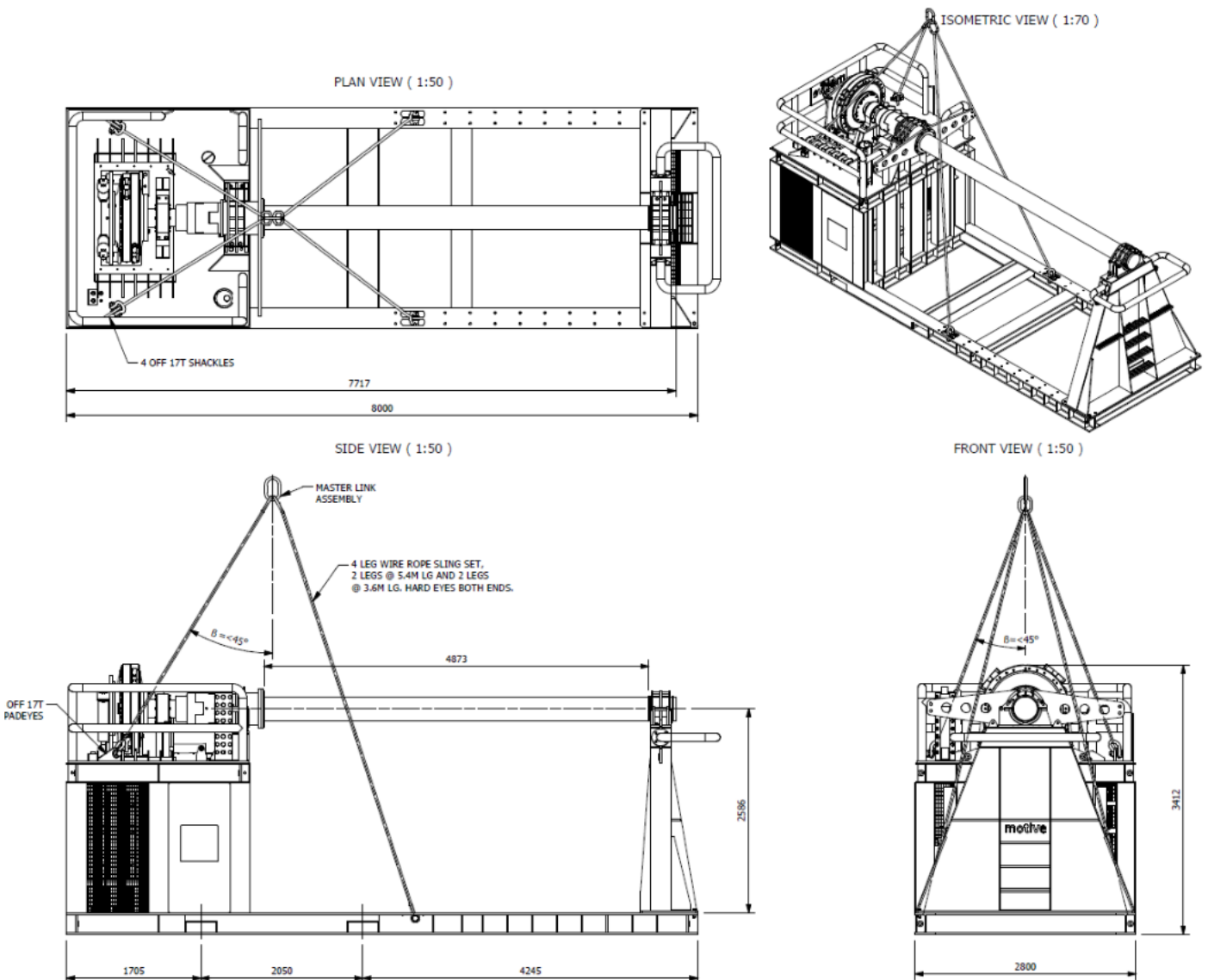
Table 5

**1.2 Performance Data**

| Drum Diameter (mm) | Pull (tonnes) @ 250 bar | Line Speed (m/min) Zero to |
|--------------------|-------------------------|----------------------------|
| 500                | 71.48                   | 10                         |
| 1000               | 35.74                   | 20                         |
| 1500               | 23.83                   | 30                         |
| 2000               | 17.87                   | 40                         |
| 2500               | 14.30                   | 50                         |
| 3000               | 11.91                   | 60                         |
| 3500               | 10.21                   | 70                         |

Table 6

**1.3 GA Drawing (including loading, transportation and lubrication details)**



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