

Section 11 - QUICK REFERENCE DATA

11.1 System Ratings/Features

11.1.1 Traction Winch

- Safe Working Load 88,960 N (9070 kg, 20,000 lbs)
- Maximum Line Pull 111,200 N (11,338 kg, 25,000 lbs)
- Line Speed 1m/s (60 mpm, 196 fpm) @ 20,000 lbs

- Rexroth A6VE 55 cc Variable Displacement Hydraulic Motors. Shift Point @ 4400 psi and Minimum Displacement @ 45 cc.

11.1.2 Storage Winch

- Working Load 6600 N (680 kg, 1500 lbs)
- Rated Line Speed 1 m/s (60 mpm, 196 fpm)

- Cable Capacity 10,000 m (32,810 ft) 17.29 mm (.681 in) Cable

11.1.3 Electro-Hydraulic Power Unit

- Primary Power 460 VAC +/- 10%, 3 Phase, 60 Hz Shipboard
- Prime Mover 150 Kw (200 HP @ 1760 RPM, 3 Phase, 60 Hz)
- Motor Control Reduced Voltage Start/Bypass Circuit

- Hydraulic Circuit
 - Traction Winch Closed Loop Hydrostatic Transmission
 - Storage Winch Closed Loop Hydrostatic Transmission
 - Levelwind Open Loop Pressure Compensated Pump

11.1.4 Levelwind

- DYNACON Electro-Active, Right Angle
- Levelwind Sheave 938 mm (36.92 in) Tread
Instrumented for Line Count Pickup

11.1.8 Controls

- Local Controls @ Winch
- Remote Controls With Interconnect Cable
- Count, Speed Display at Both Control Stations

11.2 System Component Dimensions and Weights (Nominal)

11.2.1 Traction Winch/Levelwind Assembly Dimensions

- Length 4064 mm (160 in.)
- Width 1245 mm (49 in.)
- Height 2292 mm (90 1/4 in.)

11.2.2 Storage Winch Footprint Dimensions

- Length 2210 mm (87 in.) Front to Back
- Width 2362 mm (93 in.) Across Drum Face
- Height 2083 mm (82 in.) To Top of Drum Flange

11.2.3 Storage Winch Drum (Nominal Dimensions)

- Core Diameter 940 mm (37 in.) With Liner
- Core Width 1600 mm (63 in.)
- Flange Diam. 1880 mm (74 in.)

11.2.4 Overall System Deck Layout Dimensions (Excluding EHPU)

- Length 4064 mm (160 in.)
- Width 3531 mm (139 in.)
- Height 2292 mm (90 1/4 in.)

11.2.5 Electro-Hydraulic Power Unit Dimensions

- Length 2718 mm (107 in.)
- Width 1245 mm (49 in.)
- Height 2188 mm (86 1/8 in.)

11.2.6 Nominal Weights

- Traction Winch/Levelwind 5545 kgs (12,200 lbs)
- Storage Winch 4000 kgs. (8,000 lbs)
- Cable Weight 12,731 kgs. (28,009 lbs.)
- Electro-Hydraulic Power Unit, 2,909 kgs. (6,400 lbs)
- Local Control Station 91 kgs. (250 lbs)
- Remote Control Station 23 kgs. (50 lbs.)

11.2.7 Other Features

- 0 Degrees C Minimum Operating Temperature
- Stainless Steel Fluid Disconnects
- Steel Hose Ends and Fittings
- Drum Interchangeable With Drum on Job 370
- Line Count and Speed With Display at Local and Deck Remote Controls
- Water-Over-Oil Heat Exchanger