

**First Integrated 65te WLL Hydraulic Drum Winch**

65te WLL Winch is designed for use in Lifting, Mooring, and Pulling Applications, and is part of a circulatory rental fleet operating globally.

The drum is driven through a hermetical gear box by a 2 x 2 speed 50% displacement shift radial piston hydraulic motors. The braking system is an automatic, failsafe band brake operating directly on the winch drum with a braking capacity of 185% of the 1<sup>st</sup> layer WLL.

The winch is fitted with a manually operated directional control valve which can be located locally or remotely (within 10m of the winch)

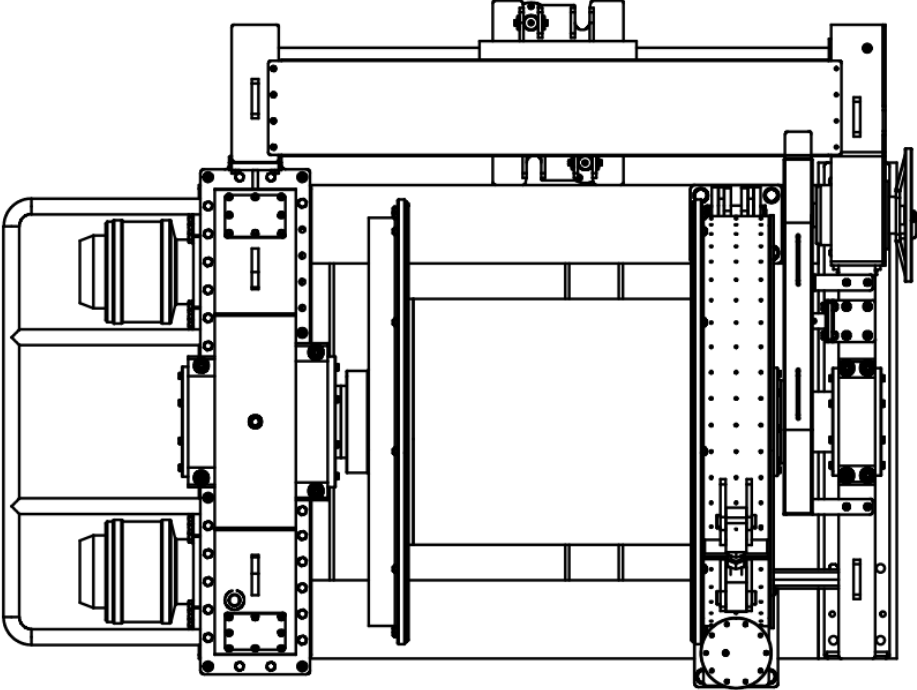
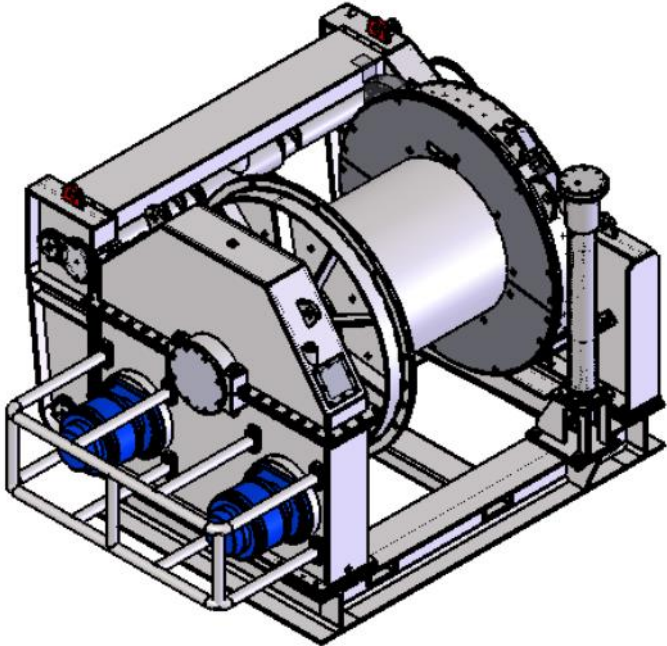
The winch is CE marked and manufactured to DNV 2.22 October 2013, and is in compliance with the requirements set out under Pressure Directive 97/23/EC, Machinery Directive 2006/42/EC. LOLER 2998, POWER 1998 and with the ATEX Directive for use in category 2 zone 1 IIC T2 use.

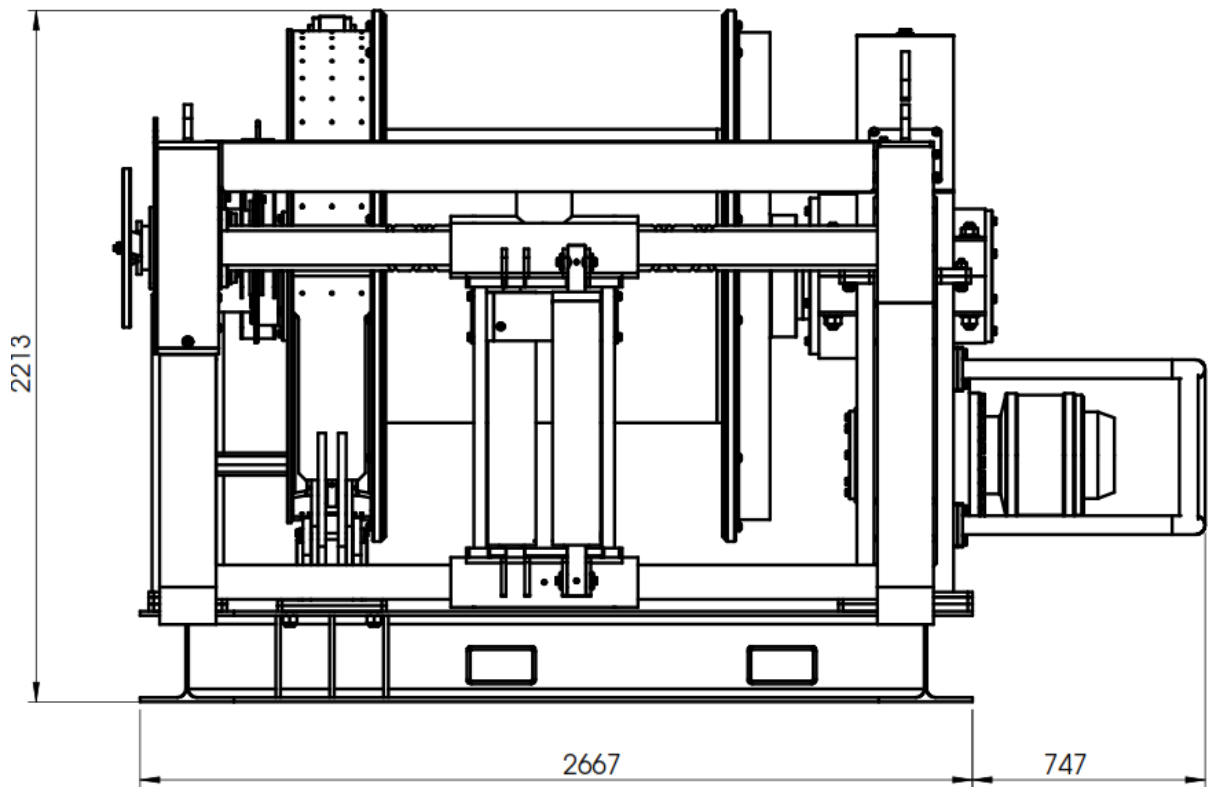
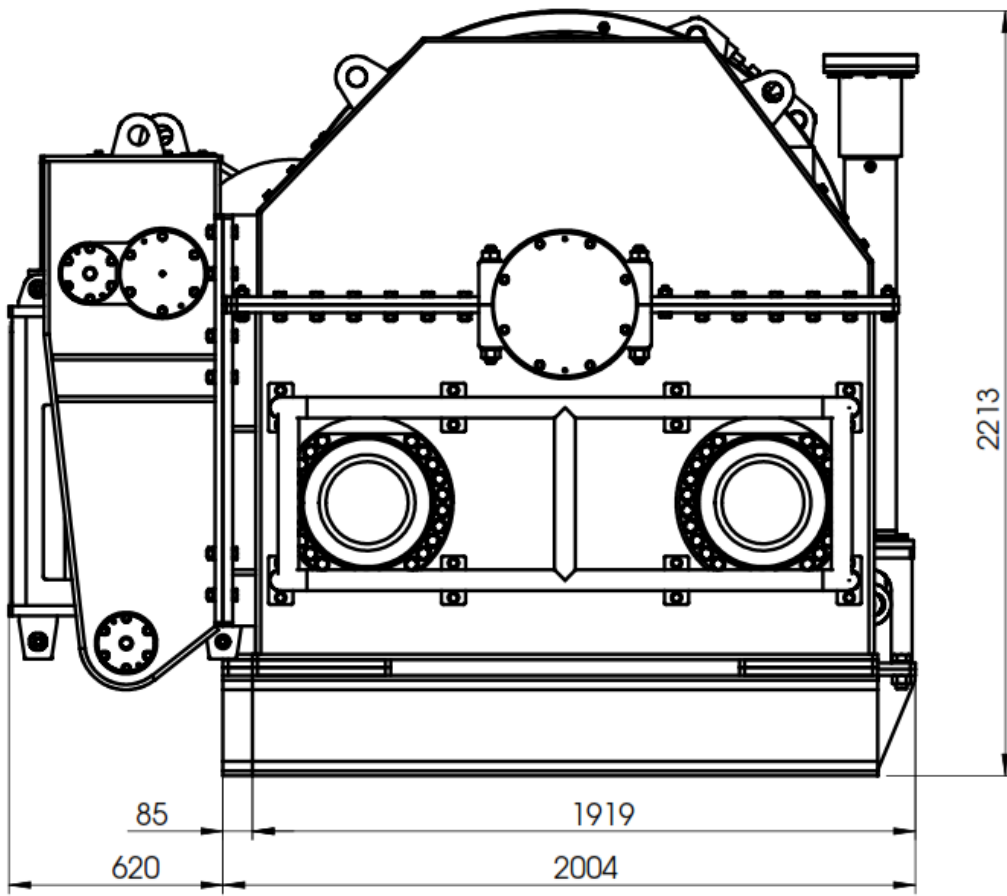


65te WLL Winch Functional Purpose and Capacities Overview	
Constituent	Criteria
Asset ID Number	FWi008-FWi012
Drawing Numbers	20390034 / 20771117 (Sacrificial Base – where applicable)
Tare Weight (Excluding Wires)	14,000 Kgs
Payload	6,600 Kgs
Maximum Gross Weight	20,600 Kgs
Dimensions (LxBxH) Including Spooling Gear	3414mm X 3024mm X 2213mm
Dimensions (LxBxH) Excluding Spooling Gear	3414mm X 2004mm X 2113mm
Spooling Gear Dimensions (LxBxH)	2580mm X 920mm X 1570mm
Wire Rope Capacities	430m x 52mm / 531m x 44mm / 833m x 38mm / 1243m x 32mm / 1741m x 28mm / 2566m of 24mm Rope
First Layer Line Pull (WLL)	65te Low Speed – 32te High Speed
First Layer Line Speed	7m/min Low Speed – 14m/min High Speed – Based on 190L/Min Supply
Brake Hold Capacity (1 <sup>st</sup> Layer)	185% of relevant maximum layer line pull

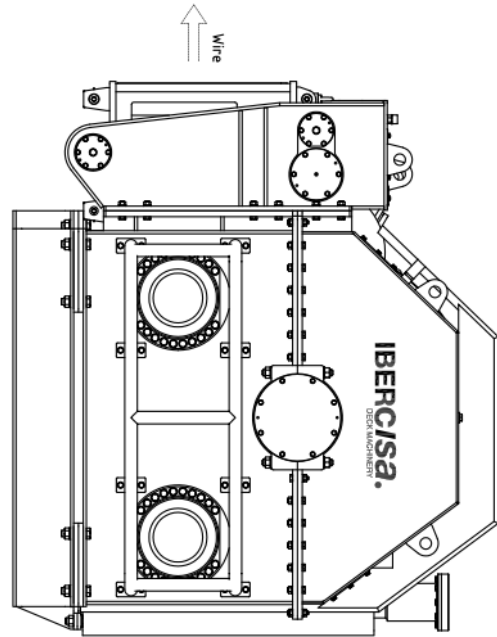
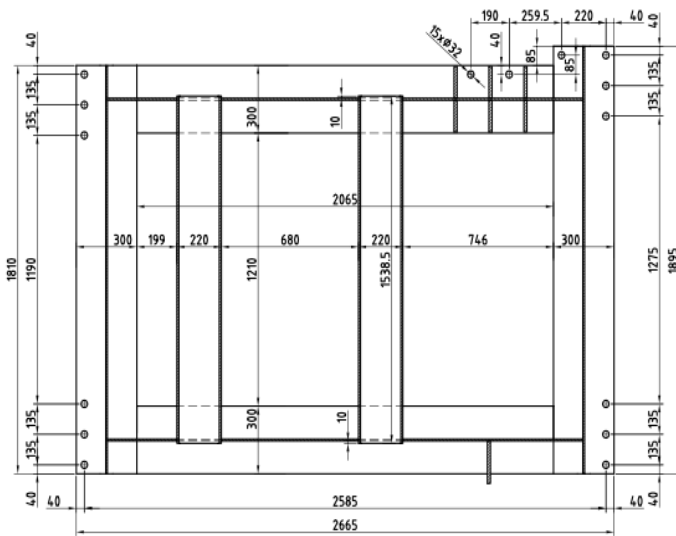
Nominal Performance Based on 310 bar X 190L/Min with 52mm Wire Rope						
Layer	Low Speed		High Speed		Brake Hold Load	Accumulated Rope Capacity
1 <sup>st</sup> Layer	65.0te	7.0m/min	32.5te	14.0m/min	120te	64m
Half Drum	54.0te	8.5m/min	27.0te	17.0m/min	100te	212m
Full Drum	42.7te	10.7m/min	21.3te	21.5m/min	77te	484m

**General Assembly Drawings**





## Winch Bolt Pattern



## Recommended Spare Parts

Quantity	Component
1	Spare Flexible Hose Package comprising of 1X each flexible hose installed on the asset
1	Spare Flexible Hose Package comprising of flexible hoses and suitable fittings designed to replace each hard pipe section installed on the asset
1	Spare Dowty Seal and "O" Ring Package for all fittings, control/Flange assemblies where applicable
1	Hydraulic Motor Seal Kit
1	Motor Safety Coupling c/w spare Shear Pins
1	Spare Spooling Gear Knife (where applicable)
1	Electrical Spares Package (where applicable)
1	Spare Chain Drive (Spooling Gear) c/w spare full and half links