ITC EHR020C:
55kW Electric Dual Drum Combi-Reeler®

HYDRAULIC SERVICES LTD

Equipment description:

Mounted in a protective lifting frame built and tested in accordance with DNV-ST-E271 and BS EN ISO 10855-1, designed with 6.5Te lifting points, forklift pockets and supplied complete with a certified lifting sling set as well as integrated sea fastening points.

This Combi-Reeler® is a self-contained unit designed to store, deploy and retrieve either hose or umbilical, whilst supplying hydraulic power to a range of equipment and tooling, particularly for subsea dive support applications.

The dual drum design provides greater flexibility for different product types whilst reducing the overall floor footprint. An integrated oil cleaning system provides on-the-job flushing and separation ideal for subsea applications.

Rotary unions have been incorporated into the design to permit continuous downline supply during dynamic pay out / pay in. Reeler and supply controls, system status and visual indicators are fitted and displayed locally on the unit. Further variable speed and pressure control also available.

Overall Dimensions:	3000mm x 2500mm x 2819mm (LxWxH)
Lifting Arrangement:	Forklift Pockets / 4 OFF 6.5Te Bow Shackles / Certified Lifting Sling Set
Design Weights:	Max Gross - 8,500 kg / Tare - 6,000 kg / Payload - 2,500 kg
Design Temperature:	-20°C ≤ Ta ≤ +40°C
Drum Dimensions:	Drum 1: Ø1100mm Core, Ø2200mm Flange, 600mm Between Flanges Drum 2: Ø1100mm Core, Ø2200mm Flange, 300mm Between Flanges
Drum Capacities:	250m (dependant on product bundles)
Max Line Pull at Core:	2,000 kg (project specific limiting available)
Max Line Speed at Core:	18 m/min (project specific limiting available)
Electric Motor Power Rating:	55kW @ 50Hz | 66kW @ 60Hz
Electrical Supply Required:	400V 3ph 50Hz 125A | 440V 3ph 60Hz 125A
Hydraulic System Type:	Open Loop
Pump Type | Displacement:	Main Pump: Variable Displacement Axial Piston Pump | 80cc/rev Aux Pump: Fixed Displacement Gear Pump | 21cc/rev
Working Pressure:	Nominal: 320 bar | Peak: 350 bar
Max Flow:	Main Pump: 117 L/min @ 50Hz | 140 L/min @ 60Hz Aux Pump: 30 L/min @ 50Hz | 36 L/min @ 60Hz
Hydraulic Tank Capacity:	347L Usable Volume
Fluid Type:	Hydraulic Oil; ISO VG 32
Filtration / Oil Conditioning:	Pressure & Return Filters, Suction Strainer / SU102 Triple R Oil Cleaner
Rotary Unions:	Drum 1: 6 Flow Passage, ¾'' NPT Ports (various termination options) Drum 2: 4 Flow Passage, ¾'' NPT Ports (various termination options)
Main Starter Panel:	E-Stop, Isolator, Joystick, Start-Stop Functions, Warnings & Shutdowns
Controls:	Pay Out-In / Downline Flow & Pressure Control / Flow & Pressure Display
Oil Cooling:	Air Blast Cooler
Interconnecting Hoses:	Available (can be supplied to suit client setup)
Sea Fastening:	4 OFF Weld Plates; Bolted on Base
Designation:	Safe Area Equipment / CE Marked / UKCA Marked