

**132kW Zone I Electro Hydraulic Power Unit**

The Electro Hydraulic Power Unit is designed for use in a number of applications, predominantly to power Winches but also to power other assets such as Cranes, Tooling, Submersible Excavation Equipment, A-Frames and other Hydraulically Powered Equipment. The EHPU is part of a circulatory rental fleet operating globally.

The EHPU is comprised of a 132kw main motor with a 37kw auxiliary system contained within a DNV 2.7-1 framework with through drive kits to facilitate 3 separate hydraulic circuits.

The EHPU is CE marked and manufactured to DNV 2.7-1 April 2006 and is in compliance with the requirements set out under Pressure Directive 97/23/EC, Machinery Directive 2006/42/EC, LOLER 1998, PUWER 1998 and is designed in accordance with use in safe area applications.



EHPU Functional Purpose and Capacities Overview	
Constituent	Criteria
Asset ID Number	FPP005-FPP008
Tare Weight	6000 Kgs
Payload	1000 Kgs
Maximum Gross Weight	7000 Kgs
Dimensions (LxBxH)	2700mm X 2200mm X 1985mm
Category of Use	Safe Area Use
Main Electric Motor	Thermostatically Protected 132Kw – 1500 rpm @ 50Hz, 158kw – 1800 rpm @ 60Hz 380V – 460V, IP 56
Circuit 1 Performance	Max Pressure: 320bar Max Flow: 155l/min @ 50Hz / 180l/min @ 60Hz Pump Type: Open Loop, Pressure Compensated, Load Sensing Piston Type
Circuit 2 Performance	Max Pressure: 320bar Max Flow: 155l/min @ 50Hz / 180l/min @ 60Hz Pump Type: Open Loop, Pressure Compensated, Load Sensing Piston Type
Auxiliary Electric Motor	Thermostatically Protected 37 Kw – 1500 rpm @ 50Hz, 44 Kw - 1800 rpm @ 60Hz. 380V – 460V, IP-56.
Circuit 3 (Auxiliary) Performance	Max Pressure: 320bar Max Flow: 67 l/min @ 50Hz / 72L/Min @ 60Hz Pump Type: Open Loop, Pressure Compensated, Piston Type
Combined Circuits 1 + 2	The Circuits 1+2 above can be combined as a single circuit system to deliver: Max Pressure: 320bar Max Flow: 310 l/min @ 50Hz / 360 L/Min @ 60Hz This Performance Cannot be delivered simultaneously
Constant Horsepower	The unit is fitted with a constant horsepower control module to maximise flow output during variable pressure loading operations
Hydraulic Cooling	Via a vertically mounted stack type sea or freshwater cooler – Water supply required

**General Assembly Drawings**



