

- Hydraulic & Control Systems
- Dredgers, tugs and offshore applications
- Custom built diesel powerpacks
- Worldwide service, modifications and overhaul

HYCOS[®]

Hydraulics & Control Systems

This leaflet keeps you posted about our products and other facts about HYCOS

DHP 115



Compact diesel power pack

This very compact diesel powerpack started its life for a salvage pump application. However, its compact size, economic design and robustness have led to applications for winch drive and vibrohammer as well.

Like all Hycos powerpacks, quality is important. A Deutz engine, a Parker high pressure industrial pump, sealed connectors with extra protection for the electric cables and Hydac filters and coolers are used. These are but a few examples to show that we strive for quality.

This powerpack has an integral enclosure. To make all part accessible, the roof can be opened. The enclosure, made from galvanised and powder coated steel offer optimum protection in tropical and marine environments. A stainless steel hydraulic oil tank for guaranteed operation over a long period.

The main system consists of an electronic controlled variable displacement pump. An oversized cooling and filtration system ensures a continuous operation at full power and in extreme conditions. The system is designed to be adapted to different applications – like the ones mentioned above.

There is a newly developed IP65 electronic control system with pendant control which completes the power pack.

Certified lifting eyes or shackles as well as fork lift apertures for easy transport. These power packs are of course built according to the CE regulations, quality management standard ISO9001 and good workmanship.

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SPECIFICATIONS



DIESEL DRIVE

Make and model	Deutz 2013
Emissions	Tier3 StageIIIA
Type	water cooled, direct injection
Aspiration	turbo charged and inter cooled
No. of cylinders	4
Power	116 kW @ 2000 rpm



ELECTRIC SYSTEM

System	24 VDC
Batteries	2 x 12 VDC, 120 Ah
Alternator	50 A
PLC	EPEC
Protection Rating	IP65



HYDRAULIC SYSTEM

Open circuit system for maximum cooling and filtering efficiency. Variable displacement pump for optimum power consumption and smooth operation.

Make and model	Parker PV+92 cc
Regulator	Electronic displacement control
Rated flow	200 l/min
Pressure	350 bar
Full flow return filter	10 microns



COOLING SYSTEM

High capacity engine radiators direct drive. Hydraulic system includes two easy assessable vertical air to air coolers, hydraulically driven fans.

Hydraulic cooling capacity	30kW @ 40 ° Δ T
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SERVICE CAPACITY

Fuel tank	150 l
Hydraulic oil tank	200 l
Engine oil	20 l
Engine coolant	35 l

DIMENSIONS

Weight	2850 kg
Length	2900 mm
Width	1100 mm
Height	1500 mm

