

High Pressure Unit

Weight:

Gross weight: 15,000 kgs

Real unit weight: 14,890 kgs.

Tare weight: 3,000 kgs

Dimensions

Large: 6058 mm

Width: 2438 mm

Height: 2591 mm



Temperature:

Minimal Design temperature: -20°C

Operation temperature

Minimal: -10°C

Maximum: $+45^{\circ}\text{C}$



Safety / Environment:

Locked base to contain leaks or spills with drain points.

Designed and manufactured in accordance with current EC safety legislation.

Power train and components:

Caterpillar C18 DITA SCAC diesel engine, 'C' 715BHP @ 2100 RPM intermittent classification

Allison S6620M with installed PTO for the HD500 lubrication pump drive and the HD500 charge Pump drive.

Engine next to the Pyroban flame protection kit & AXON electronic safety shutdown and gas detection system designed to give automatic shutdown in the event of:

- Engine over speed (2300 RPM)
- High exhaust gas temperature (+ 200°C)
- High coolant temperature (+98°C)
- Low oil Pressure (1Bar)
- Hydrocarbon gas detection in the inlet tract (20% LEL)



Fuel tank:

Stainless steel fuel tank capable of allowing 8 hours of operation.

Complete with sight glass showing max and min levels, fill vent lid and access window for cleaning purposes.

Tank also marked with a maximum transport level of 250 liters and class 9 dangerous goods classification labeling.

Triplex pump:

AXON HD 500 high performance triplex pump with 4" plungers that allows a maximum flow rate of 7.4bbls / min and a maximum pressure of 15,000 psi

Pump mounted on a separate sub-base within the main lifting frame to allow installation and extraction by the lifting machine from the side of the frame.

1 x 3" Fig 1502 Female discharge connection and 1 x 2" Fig1502 Female Connections (PRV installed on the 2")

Control/System

An engraved stainless steel control panel accommodates all engine controls and gauges, providing display of pressures, temperatures, speed, rates, etc.

A separate electrical Exd cabinet provides a visual display of the electronic safety status of the AXON installed shutdown system.



Certifications

CE Marked

Machinery Directive 98/37/EC

ATEX 94/9/EC (Group II 3G IIA T3)

PED 97/23/EC

DNV 2.7-1 & BS 12079-1

IMO - CSC - 1972

Charge pump

5" x 4" x 14" Mud Hog centrifugal pump with a 10.75" impeller with a maximum flow rate of 26 bbls/min and a maximum discharge pressure of 80 psi

2 x 4" Fig 206 Female suction connections and direct discharge to Pump Suction Manifold and 1 x 4" Fig 206 Female Auxiliary Connection

