



Triplex Plunger Pump HD-500

Operation/Service

High flow triplex pump intended for pigging, flushing and general pumping applications

Components

Power Train

Detroit Series 60 engine rated at 630BHP @ 2100 RPM fitted with Allison S6610 transmission and a Rigsafe system consisting of:

- High coolant temperature shutdown
- Low oil pressure shutdown
- Emergency stop button
- Engine air kill valve
- Exhaust spark arrestor

Fuel Tank

Stainless Steel fuel tank with the capacity to last up to 8 hours, and remote fuelling capability

Triplex Pump

An Axon HD 500 triplex high performance pump with 6" plungers and a maximum flow rate of 17bbls/min.

Boost pump

Hydraulically-driven Mission Magnum 5x4 Centrifugal pump provides charge pressure for the triplex.

Control Panel

The control panel accommodates all engine controls and indicators. This includes:

- Start, stop switch
- Emergency stop
- Engine throttle control
- Engine oil pressure indication
- Engine coolant temperature indication
- Transmission gear selection
- Transmission oil pressure
- Pump discharge pressure indicator
- Pump flow indicator

Safety/Environmental

- Pressure Relief valve set at 5,000psi
- Bunding in case of any leaks or spills
- Drain Points

Standards/Certification

- Marine Orders 32 Certified Frame

Mass

Actual unit weight: 10,600kg (fully fuelled)

Dimensions (l x w x h)

Length: 5,900mm

Width: 2,300mm

Height: 2,350mm

Design Temperature

Min: -10° C

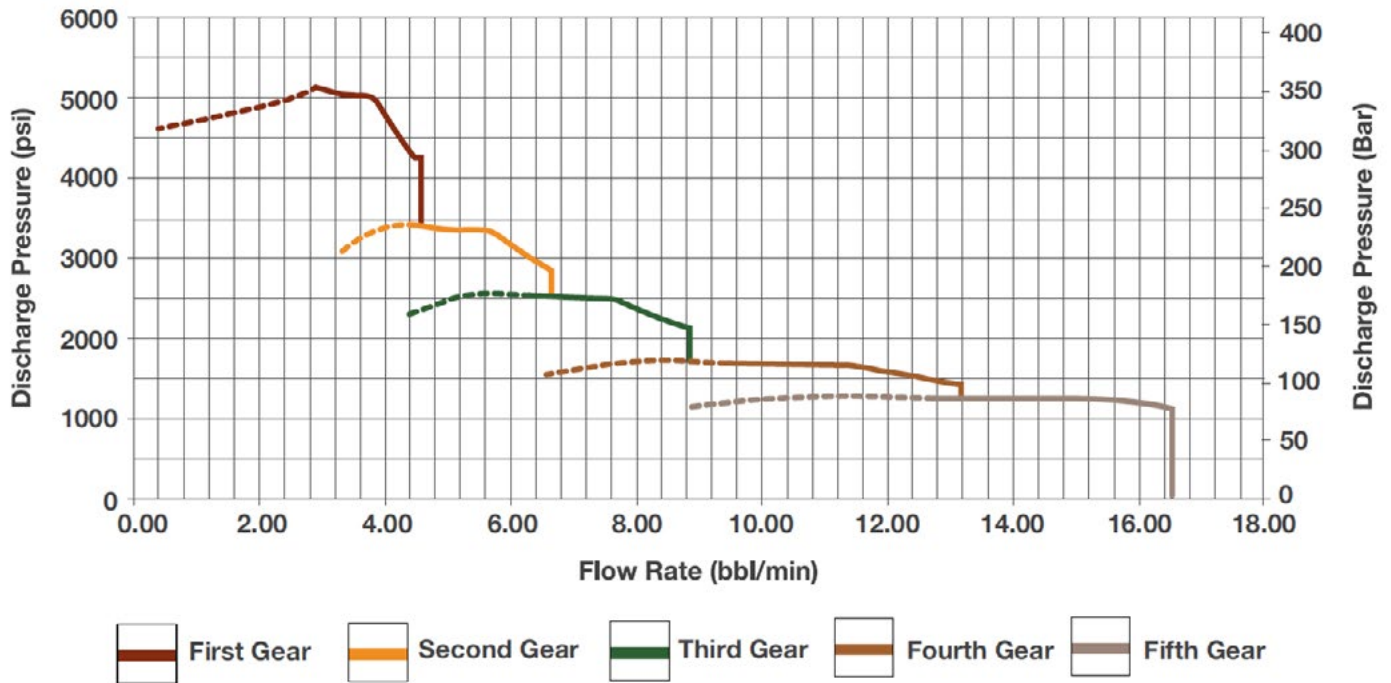
Max: +45° C

Connections

Suction: 6" Fig 206

Discharge: 3" Fig 1502

**Rigsafe Triplex Performance Chart HD500 -
6 in. Plungers**



NOTE: The above graph shows the maximum pressure achievable at maximum Hydraulic Horsepower for the full range of engine rpm in each gear. Dotted lines denote transmission converter operation and solid lines denote transmission lock-up. Curves are based on calculated HHP available and a volumetric efficiency of 97%

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