

4" DIESEL PUMP MEDIUM HEAD INDUSTRIAL

IDEAL USAGE

Projects that require transfer of liquids in a range up to 540 m³/h with an optimum of 250 m³/h for a wide range of applications, where no electricity is available

APPLICATIONS

- Pumping fluids for municipal and industrial market where medium of higher pressure is required
- Pumping industrial waste water containing large solids



PERFORMANCE

Maximum capacity:	540 m ³ /h, see curve
Best Efficiency Point:	250 m ³ /h @ 62 m
Maximum head:	92 m @1800 RPM, see curve
Suction lift:	8.5 m (max) (water)
Free passage:	76 mm
Maximum pre-pressure:	50 m
Temperature:	0 °C (min) - 90 °C (max)
Sound level:	77 dB(A) at 7 m

PUMP

Impeller:	Semi-open
Priming system:	Mechanically Driven Diaphragm Style Vacuum Pump
Capacity vacuum system:	85 m ³ /h

WEIGHT AND MEASURES

Weight:	3,200 kg (dry weight) 3,800 kg (wet weight)
Length:	3,202 mm
Width:	1,532 mm
Height:	2,157 mm
Connections:	6" ANSI 150# suction side (x1) 4" ANSI 150# discharge side (x1)

MATERIAL

Pump housing:	Ductile Iron (ASTM A536 65-45-12)
Impeller:	Stainless steel (CA6NM SS)
Gaskets & seals:	Fibre gaskets / Viton O-Rings
Mechanical seal:	Tungsten carbide vs. silicon carbide seal faces, FKM elastomers
Non return valve	Buna flappers
Fuel tank:	Carbon steel
Canopy:	Carbon steel painted - Bund carbon steel Hot Dip galvanized

ENGINE

Engine make / model:	Perkins 1204J-E44TTA
Emission standard:	EU Stage V
Motorpower / RPM:	78.23 kW / 1,800 RPM
Engine speed:	1,400 - 1,800 RPM (frequency controlled)
Fuel tank:	695 litres (bunded)
Fuel consumption:	19.56 l/h (max)
Run time:	36 hours at 1,800 RPM
AdBlue tank size:	19 litres
External fuel connections:	1/2" ISO A'type QRC

FEATURES

Level control:	Yes, 10 m float switch
Controller:	Deep Sea E400
Lifting:	Certified single point lifting bale and forklift pockets
Transducers/Pressure gauges:	Transducers
Digital fuel sensor:	Yes
Telemetry:	Full control & remote monitoring with alerts

QUALITY AND SAFETY

- Emergency stop switch, air shut-off valve and sprak arrestor
- Reduced emissions by EU Stage V engine
- Fully bunded
- QMS inspections completed before every rental

CURVE



