

**6" DIESEL PUMP MEDIUM HEAD INDUSTRIAL**

**IDEAL USAGE**

Projects that require transfer of liquids in a range up to 740 m<sup>3</sup>/h with an optimum of 500 m<sup>3</sup>/h for a wide range of applications, where no electricity is available

**APPLICATIONS**

- Pumping waste water under medium head and medium flow containing large solids
- Pumping fluids under medium head and medium flow for the construction industry
- Pumping fluids under medium head and medium flow for municipal and industrial markets
- Pumping industrial waste water containing large solids



**PERFORMANCE**

<b>Maximum capacity:</b>	740 m <sup>3</sup> /h, see curve
<b>Best Efficiency Point:</b>	500 m <sup>3</sup> /h @ 52 m
<b>Maximum head:</b>	75 m @1,900 RPM, see curve
<b>Suction lift:</b>	8.5 m (max) (water)
<b>Free passage:</b>	76 mm
<b>Maximum pre-pressure:</b>	50 m
<b>Temperature:</b>	0 °C (min) - 90 °C (max)
<b>Sound level:</b>	77 dB(A) at 7 m

**PUMP**

<b>Impeller:</b>	Semi-open
<b>Priming system:</b>	Mechanically driven diaphragm vacuum pump Double floater on vacuum system
<b>Capacity vacuum system:</b>	85 m <sup>3</sup> /h

**WEIGHT AND MEASURES**

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

**MATERIAL**

<b>Pump housing:</b>	Ductile Iron (ASTM A536 65-45-12)
<b>Impeller:</b>	Stainless steel (CA6NM SS)
<b>Gaskets &amp; seals:</b>	Fibre NBR Gaskets / Viton O-Rings
<b>Mechanical seal:</b>	Tungsten carbide vs. silicon carbide seal faces, FKM elastomers
<b>Non return valve</b>	NBR flappers
<b>Fuel tank:</b>	Carbon steel
<b>Canopy:</b>	Zinc plated steel
<b>Bund:</b>	Carbon steel hot dip galvanized

**ENGINE**

<b>Engine make / model:</b>	Perkins 1204J-E44TTA
<b>Emission standard:</b>	EU Stage V
<b>Motorpower / RPM:</b>	129 kW / 1,900 RPM
<b>Engine speed:</b>	1,400 - 1,800 PRM
<b>Fuel tank:</b>	695 litres (bunded)
<b>Fuel consumption:</b>	24.00 l/h (max)
<b>Run time:</b>	29 hours at 1,800 RPM
<b>AdBlue tank size:</b>	19 litres
<b>External fuel connections:</b>	1/2" ISO A'type QRC

**FEATURES**

<b>Level control:</b>	Yes, 10 m float switch
<b>Optional:</b>	High level stop (discharge side)
<b>Controller:</b>	Deep Sea E400
<b>Lifting:</b>	Certified single point lifting bale and forklift pockets
<b>Transducers:</b>	Yes
<b>Digital fuel sensor &amp; Analog:</b>	Yes
<b>Telemetry:</b>	Control & remote monitoring with alerts High -and/or low pressure shut on/off settings Other settings on request

**QUALITY AND SAFETY**

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

**CURVE**



