

## 4" DIESEL PUMP

### IDEAL USAGE

Projects that require transfer of liquids in a range up to 300 m<sup>3</sup>/h with an optimum of 200 m<sup>3</sup>/h for a wide range of applications, where no electricity is available

### APPLICATIONS

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



### PERFORMANCE

<b>Maximum capacity:</b>	300 m <sup>3</sup> /h, see curve
<b>Best Efficiency Point:</b>	200 m <sup>3</sup> /h @ 16 m
<b>Maximum head:</b>	23 m @1800 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>	62 dB(A) at 7 m

### PUMP

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

### WEIGHT AND MEASURES

<b>Weight:</b>	1,250 kg (dry weight) 1,350 kg (wet weight)
<b>Length:</b>	2,185 mm
<b>Width:</b>	1,118 mm
<b>Height:</b>	1,414 mm
<b>Connections:</b>	4" ANSI 150# suction side (x1) 4" 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 Gaskets / Viton O-Rings
<b>Mechanical seal:</b>	Tungsten carbide vs. silicon carbide seal faces, FKM elastomers
<b>Non return valve</b>	Buna flappers
<b>Fuel tank:</b>	Carbon steel
<b>Canopy:</b>	Carbon steel painted - Bund carbon steel Hot Dip galvanized

### ENGINE

<b>Engine make / model:</b>	Perkins 403J-17
<b>Emission standard:</b>	EU Stage V
<b>Motorpower / RPM:</b>	12.95 kW / 1,800 RPM
<b>Engine speed:</b>	1400 - 1800 RPM (frequency controlled)
<b>Fuel tank:</b>	125 litres (bundled)
<b>Fuel consumption:</b>	3.24 l/h (max)
<b>Run time:</b>	39 hours at 1,800 RPM
<b>External fuel connections:</b>	1/2" ISO A'type QRC

### FEATURES

<b>Level control:</b>	Yes, 10 m float switch
<b>Controller:</b>	Deep Sea E100
<b>Lifting:</b>	Certified single point lifting bale and forklift pockets
<b>Transducers/Pressure gauges:</b>	Pressure Gauges
<b>Digital fuel sensor:</b>	Yes
<b>Telemetry:</b>	Full control & remote monitoring with alerts

### QUALITY AND SAFETY

- Reduced emissions by EU Stage V engine
- Emergency stop switch
- Fully bundled
- QMS inspections completed before every rental

### CURVE



