

## 4" DIESEL PUMP

### IDEAL USAGE

Projects that require transfer of liquids in a range up to 330 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 unarmful waste water containing large solids and low flow
- Pumping fluids under low flow for the construction industry
- Pumping unarmful fluids with low flow for municipal and industrial markets



### PERFORMANCE

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

### PUMP

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

### WEIGHT AND MEASURES

Weight:	1,250 kg (dry weight) 1,350 kg (total wet weight)
Length:	2,185 mm
Width:	1,118 mm
Height:	1,414 mm
Connections:	4" 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 NBR Gaskets / Viton O-Rings
Mechanical seal:	Tungsten carbide vs. silicon carbide seal faces, FKM elastomers
Non return valve	NBR flappers
Fuel tank:	Carbon steel
Canopy:	Zinc plated steel
Bund:	Carbon steel hot dip galvanized

### ENGINE

Engine make / model:	Perkins 403J-17
Emission standard:	EU Stage V
Motorpower / RPM:	12.95 kW / 1,800 RPM
Engine speed:	1,400 - 1,800 RPM
Fuel tank:	125 litres (bundled)
Fuel consumption:	3.24 l/h (max)
Run time:	39 hours at 1,800 RPM
External fuel connections:	1/2" ISO A'type QRC

### FEATURES

Level control:	Yes, 10 m float switch
Optional:	High level stop (discharge side)
Controller:	Deep Sea E100
Lifting:	Certified single point lifting bale and forklift pockets
Pressure gauges:	Yes
Digital fuel sensor & Analog:	Yes
Telemetry:	Control & remote monitoring with alerts High -and/or low pressure shut on/off settings Other settings on request

### QUALITY AND SAFETY

- Reduced emissions by EU Stage V engine
- Emergency stop switch (x2)
- Fully bundled
- QMS inspections completed before every rental

### CURVE



