

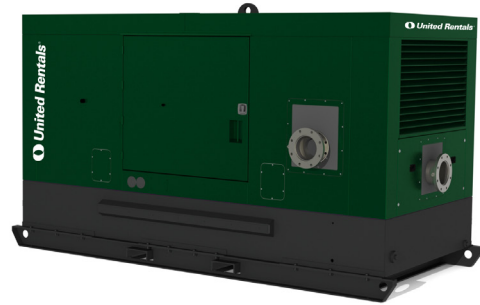
## 8" DIESEL PUMP MEDIUM HEAD

### IDEAL USAGE

Projects that require transfer of liquids in a range up to 1060 m<sup>3</sup>/h with an optimum of 550 m<sup>3</sup>/h for a wide range of applications, where no electricity is available

### APPLICATIONS

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



### PERFORMANCE

<b>Maximum capacity:</b>	1,060 m <sup>3</sup> /h, see curve
<b>Best Efficiency Point:</b>	500 m <sup>3</sup> /h @ 75 m
<b>Maximum head:</b>	107 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>	77 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>	6,500 kg (dry weight) 7,200 kg (wet weight)
<b>Length:</b>	4,536 mm
<b>Width:</b>	2,093 mm
<b>Height:</b>	2,502 mm
<b>Connections:</b>	8" ANSI 150# suction side (x1) 8" 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 Plated Steel

### ENGINE

<b>Engine make / model:</b>	Scania DC09 312A
<b>Emission standard:</b>	EU Stage V
<b>Motorpower / RPM:</b>	158 kW / 1,800 RPM
<b>Engine speed:</b>	1,400 - 1,800 PRM (frequency controlled)
<b>Fuel tank:</b>	765 litres (bunded)
<b>Fuel consumption:</b>	39.50 l/h (max)
<b>Run time:</b>	19 hours at 1,800 RPM
<b>AdBlue tank size:</b>	60 litres
<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 E400
<b>Lifting:</b>	Certified single point lifting bale and forklift pockets
<b>Transducers/Pressure gauges:</b>	Transducers
<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 bunded
- QMS inspections completed before every rental

### CURVE

