



MTP4000DZD

Trash Pump



Engine

Deutz D 2.9 L4 – water-cooled, naturally aspirated diesel engine
 48.8 hp @ 2600 rpm
 4 cylinder
 2.9 Liter displacement
 DOC only for exhaust after treatment
 Tier 4 Final approved
 Steel, single wall fuel tank
 110 gallon capacity / 95 gallons usable
 Fuel consumption at prime:
 100% - 2.93 gph
 Cooling system capable of operating at 120 F ambient
 Disposable air filter – paper element
 720 CCA wet cell battery
 95 Amp alternator
 Low coolant warning/shutdown

Pump

Cornell Pump Dry Prime, centrifugal pump
 Cornell 4NNTL
 4.00" NPTF – suction & discharge connection
 Cast Iron ASTM A48 Class 30 pump casing
 Cast Iron ASTM A48, Class 30 impeller
 2 vane, enclosed impeller
 Impeller design incorporated with deflector vanes and pumpout vanes
 Single mechanical seal, John Crane Type 1 & 2, with tungsten carbide vs silicon carbide faces
 Replaceable wear ring
 Run-dry system for continuous operations without need for external flush water or venting
 Pump shaft - 1144 stress proof steel
 Diaphragm-Prime - Compressor flow up to 50 SCFM

Pump Performance

Pump output – 1450 gpm (5489 Lpm)
 Lift suction – 28 ft. (8.5 m)
 Maximum diameter of solids – 3.00" (76.2 mm)
 Impeller diameter: 8.25 inches (20.96 cm)
 Maximum Efficiency (BEP Percent) – 79%
 BEP Flow – 964 gpm (3649 Lpm)
 Total dynamic head – 165 ft (50.29 m)

Duty Points:

- 700 gpm @ 56.9-ft TDH @ 1800 RPM, 78% efficiency, NPSHR 10.2 ft
- 1000 gpm @ 104-ft TDH @ 2500 RPM, 79% efficiency, NPSHR 13.8 ft



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System Controls

Standard controller – LOFA CP750

- Large, backlit 4.3" LCD display, clearly readable in bright sunlight as well as in low light conditions
- Displays engine temp, engine speed, fuel level, engine hrs., coolant temp, and oil pressure
- Advanced automatic start/stop control for use with two-switch inputs and 4-20mA transducer
- Configurable high and low set points control start/stop operation
- Super-bright LED's for pre-heat, Auto-start, Warning and Stop indication
- Alarm output to signal start warning or shutdown conditions
- Heavy-duty IP64 water resistant key switch with booting key
- RS485 serial interface for auxiliary equipment

Trailer

- "Flip-tongue" design
- DOT approved LED tail, side, brake, and directional lights
- Transportation tie downs
- Safety chains with spring loaded safety hooks
- 2" ball hitch
- 5000 lb. axle with surge brakes
- (1) 3000 lb. tongue jack with footplate; (2) 2000 lb. side wind jacks
- ST225/75R15 tubeless tires – 8 ply
- UV & fade resistant, high temperature cured, black polyester power paint
- Central lifting point
- Document holder with operating manual including the AC/DC wiring diagrams

Weights and Dimensions

Trailer Mounted

- Dry weight: 3240 lbs (1470 kg)
- Operating weight: 4032 lbs (1829 kg)
- Dimensions: 153 x 57 x 83 in (3.89 x 1.45 x 2.11 m)

Skid Mount

- Dry weight: 2690 lbs (1220 kg)
- Operating weight: 3482 lbs (1572 kg)
- Dimensions: 88 x 36 x 65.38 in (2.24 x 0.91 x 1.66 m)

Warranty

Engine and pump warranty covered under the OEM warranty – consult factory for details

Fitting Options; Inlet/Outlet

- Ball & lock ring
- Galvanized male socket
- Cam & groove female coupler
- Cam & groove male coupler
- NPT 45° male/female weldment

Trailer Options

- 3" lunette ring
- 2 5/16" ball
- Electric brakes