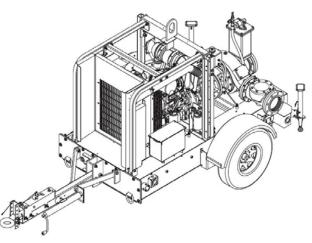
MTP6DZV

VENTURI DRY PRIME MOBILE TRASH PUMP with Enclosure Option



SPECIFICATIONS



ENGINE

- Deutz TD 2.9 L4 water-cooled, turbo-charged diesel engine
 - o 75 hp @ 2600 rpm
 - o 4 cylinder
 - o 2.9 Liter displacement
 - o DOC only for exhaust after treatment
 - o EPA Final Tier 4 approved
 - o Steel, single wall fuel tank
 - 113 gal. (428 L) capacity / 100 gal. (379 L) usable
- Fuel consumption at prime: 100% 3.60 gph (13.6 Lph)
- Cooling system capable of operating at 120°F (49°C) ambient
- Disposable air filter paper element
- 950 CCA wet cell battery
- 95 Amp alternator
- Low coolant warning/shutdown

PUMP

- Cornell 6NNT; Venturi Dry Prime Centrifugal Pump
- Bendix compressor flow up to 13.2 CFM
- 6 in. 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



PUMP PERFORMANCE

• Pump output – 2750 gpm (10409 Lpm)

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- Lift suction 28 ft. (8.5 m)
- Maximum diameter of solids 3 in. (76.2 mm)
- Impeller diameter: 10.09 in. (25.63 cm)
- Maximum efficiency (BEP Percent) 80% BEP Flow; 1900 gpm (7192 Lpm)
- Total dynamic head 150 ft. (45.72 m)
- Intake/discharge height 30 in. (0.76m)
- Duty points:
 - o 1400 gpm (5300 Lpm) @ 69.8 ft. (21.3 m) TDH @ 1800 RPM, 80% efficiency, NPSHR 8.2 ft. (2.5 m)
 - o 2000 gpm (7571 Lpm) @ 72.8 ft. (22.2 m) TDH @ 2000 RPM, 80% efficiency, NPSHR 15.2 ft. (4.6 m)

FLOW CHART / PUMP CURVE Discharge Speed Impeller Dia. Style Solids Dia. Suction NS No. vanes eet x .305 = Meters Inches x 25.4 = Millimeters GPM x .227 = Cubic Meters/Hour VARIOUS ENCLOSED 3300 10.09" 3.0" 6" 6' 2 GPM x 3.785 = Liters/Minute HP x .746 = KW SINGLE VOLUTE MOUNTING CONFIG .: CC, VM, F, VF, EM, VC METERS FEET 180 50 16 9 MYNESH REQUIRED IC HE/ 40 12 DYNAM 30 TOTAL 81 20 10 20 1000 1500 2000 500 2500 3000 3500 4000 U.S. GALLONS PER MINUTE CAPACITY 200 300 400 500 600 800 100 700 CUBIC METERS PER HOUR



SYSTEM CONTROLS

- White LED lighting control panel lighting
- Standard controller LOFA CP750

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- o Large, backlit 4.3 in. (109 mm) LCD display
 - 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
- o Configurable high and low set points control start/stop operation
- o Alarm output to signal start warning or shutdown conditions
- o Heavy-duty IP64 water-resistant key switch with booted key
- o RS485 serial interface for auxiliary equipment
- o Electronic e-stop with red LED engagement indicator light

TRAILER

- Flip-tongue design
- Bolt-on, replaceable front tongue mounting plate
- DOT approved LED tail, side, brake, and directional lights
- (4) transportation tie downs capable of handling 3 in. (76.2 mm) trailer straps
- Safety chains with spring loaded safety hooks
- 2 in. (50.8 mm) adjustable ball hitch
- 6000 lb. (2722 kg) torsion axle with surge brakes
- 2000 lb. (907 kg) tongue jack with footplate
- (2) 2000 lb. (907 kg) top wind jacks, with option to add up to (4)
- 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

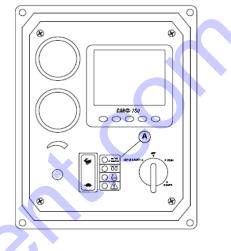
WEIGHT & DIMENSIONS

- Trailer Mounted
 - o Dry weight: 3,841 lbs. (1,742 kg)
 - o Operating weight: 4,655 lbs. (2,111 kg)
 - o Dimensions: 150.12 x 75.00 x 73.88 in. (3.81 x 1.91 x 1.88 m)
- Skid Mount
 - o Dry weight: 3,221 lbs. (1,461 kg)
 - o Operating weight: 4,035 lbs. (1,830 kg)
 - o Dimensions: 91.16 x 66.60 x 61.50 in. (2.32 x 1.91x 1.88 m)

WARRANTY

1 Year, Unlimited Hours / 2 Years, 2000 Hours; See warranty policy for complete details





ENCLOSURE OPTION

- Aluminum, sound attenuated enclosure; insulated and baffled
- Field fitment of enclosure without need to modify trailer
- UV & fade resistant, high temperature cured, white polyester powder paint
- Stainless steel hinges on all doors
- Fully lockable enclosure including doors and fuel fill
- Rear cabinet opens to allow for full access to pump and bearing frame for ease of service or pump replacement without needing to remove any cabinet or panels
- (2) side access doors open 90 degrees for easy access to pump controller and engine service points with positive stay hinges
- Easy access from top of cabinet for radiator fill and inspection

WEIGHT & DIMENSIONS with ENCLOSURE

- Trailer Mounted
 - o Dry weight: 4,090 lbs. (1,855 kg)
 - o Operating weight: 4,904 lbs. (2,224 kg)
 - o Dimensions: 150.12 x 75.00 x 73.88 in. (3.81 x 1.91 x 1.88 m)
- Skid Mount
 - o Dry weight: 3,470 lbs. (1,574 kg)
 - o Operating weight: 4,284 lbs. (1,943 kg)
 - o Dimensions: 91.16 x 66.60 x 61.50 in. (2.32 x 1.91x 1.88 m)

