

# DIESEL-DRIVEN CENTRIFUGAL PUMP

## Trailer Package

### Features & Benefits

- Indefinite run-dry capability
- Extreme flow technology
- Environmentally safe priming system
- Auto-start controls
- Skid options available



### Priming System

- Priming System** Mechanically driven diaphragm-style vacuum pump
- Air Removal Cap.** 50 cfm (02 ems)
- Priming Chamber** Positive sealing air separation w/stainless steel components
- Discharge Check Valve** Swing style; ductile iron w/ nitrile disc
- Run Dry System** Oil-lubricated mech. seal allows pump to run completely dry without damage

### Package Specifications

- Fuel Capacity** 110 gal (416 L)
- control Panel** LOFA CP7S0 or Controls Inc CX83SSSS
- Operating Speed (Min/Max)** 1,200 | 2,000 rpm
- Weight (Dry/Wet) Instrument** 4,500 | 4,931 lbs.
- Compatibility** High / Low level floats, transducers
- Trailer Brakes** Electric
- Optional Adders** Telematics

### Materials of Construction

- Impeller** CA6NM Stainless Steel
- Shaft** 17-4 PH Stainless Steel
- Wear Ring** ASTM A48 Class 40 Gray Iron Ductile I ran
- Suction Cover** ASTM AS36 6S-4S-12 Ductile I ran ASTM
- Volute** AS36 6S-4S-12 Ductile I ran ASTM AS36 6S-4S-12 Silicon Carbide rotating and Tungsten Carbide stationary
- Brae-Plate/Bracket**
- Mechanical Seal**

### Pump Specifications

- Size** 6" x 6" (150 x 150 mm)
- Impeller Diameter** 11" (279 mm)
- Max. Flow** 2,825 gpm (642 cu. m/h)
- Max. Head** 195 ft (59 meters)
- Solids Size** 3" (76 mm)
- Max. Operating Temp.** 200 F (93 C)
- Max. Operating Pressure** 260 psi (1800 kPa)

### Engine Specifications

- FT4 Engine Type** Deutz TD2.9L, 4-Cylinder Diesel
- Displacement** 177 cu. in. (2.9 L)
- Fuel Consumption** 3.07 gph (11.62 L/h) @ 1800 rpm
- Continuous HP** 58 HP (43 kW) @1800 rpm
- Peak HP Rating** 75 HP (55 kW)
- FT 4 Specifics** DOC
- Safety Shut Down Switches** Low oil press, high temp, v-belt failure
- Instrument Panel** Oil Pressure gauge, ampmeter, hourmeter, tachometer

### Parts Kits

- Mechanical Seal Kit: 372000101
- Bearing Frame Kit: 37300100