

Pioneer Prime Diesel-Driven Centrifugal Pump Trailer Package

PP63C17L71-4045HFC06

63C17-PPI-01-J



PUMP SPECIFICATIONS

Size	6" x 3" (150 x 76 mm)
Impeller Diameter	17" (432 mm)
Max Flow	1,090 gpm (248 m ³ /h)
Max Head	460 feet (140 meters)
Solids Size	.75" (19 mm)
Max. Operating Temp.	200 °F (93 °C)
Max. Operating Press.	260 psi (1,800 kPa)

ENGINE SPECIFICATIONS

FT4 Engine Type	John Deere 4045HFC06
Displacement	275 cu. in. (4.5 L)
Fuel Consumption	7.03 gph (26.6 L/h) @ 1,800 rpm
Continuous HP	142 HP (106 kW) @ 1,800 rpm
Peak Intermittent HP Rating	173 HP (129 kW)
FT4 Specifics (Def or No Def, DOC, SCR, etc.)	DOC
Instrument Panel	Oil pressure gauge, voltmeter, hourmeter, tachometer

PIONEER PRIME PRIMING SYSTEM

Priming System	Mechanically driven diaphragm-style vacuum pump
Air Removal Cap.	50 cfm (.02 cms)
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

FEATURES AND BENEFITS

- Indefinite run-dry capability
- Extreme flow technology
- Environmentally safe priming system: Pioneer Prime
- Auto-start controls

PARTS KITS

Mechanical Seal Kit: 372000104
 Bearing Frame Kit: 37300108
 Priming Chamber Assembly: 1060015894

Upper Vacuum Kit: 374000102
 Lower Vacuum Kit: 374000103

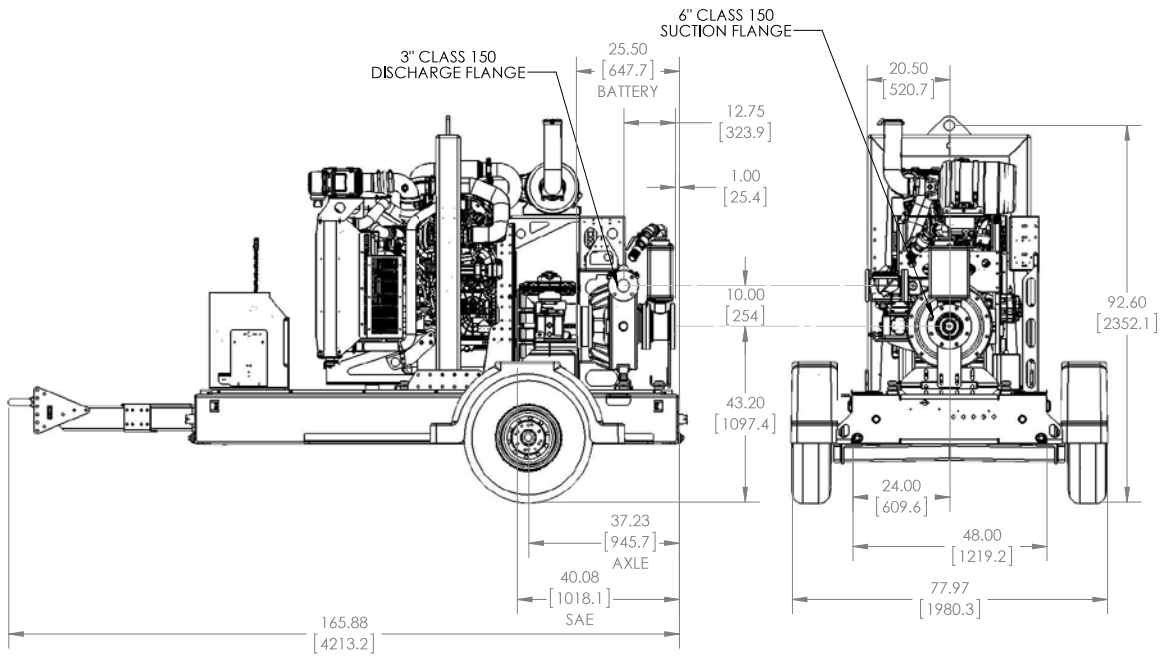
PACKAGE SPECIFICATIONS

Fuel Capacity	135 gal (511 L)
Control Panel	LOFA CP900
Operating Speed (Min. / Max.)	1,200 / 2,100 rpm
Weight (Dry/Wet)	5,690 lbs / 6,649 lbs
Instrument Compatibility	High/low level floats, transducers
Trailer Brakes	Electric
Optional Adders	3-watt solar charger, 10-watt solar charger, corner jacks, float switch, hose racks, pressure gauges

MATERIALS OF CONSTRUCTION

Impeller	CA6NM Stainless Steel
Shaft	17-4 PH Stainless Steel
Wear Ring	ASTM A48 Class 40 Gray Iron
Suction Cover	Ductile Iron ASTM A536 65-45-12
Volute	Ductile Iron ASTM A536 65-45-12
Brac-Plate/Bracket	Ductile Iron ASTM A536 65-45-12
Mechanical Seal	Silicon Carbide rotating and Tungsten Carbide stationary

MECHANICAL DIMENSIONS



PERFORMANCE CURVE

