

## PIONEER PRIME DIESEL-DRIVEN CENTRIFUGAL PUMP TRAILER PACKAGE

# PP86C21L71-6136CI440

86C21-PPI-01-J



### PUMP SPECIFICATIONS

Size	8" x 6" (203 mm x 152 mm)
Impeller Diameter	21" (533 mm)
Max Flow	4,000 GPM (908 m <sup>3</sup> /h)
Max Head	650 feet (198 meter)
Solids Size	1.5" (40 mm)
Max. Operating Temp.	200 °F (93 °C)
Max. Operating Press.	260 PSI (1,800 kPa)

### ENGINE SPECIFICATIONS

FT4 Engine Type	John Deere 6136CI440
Displacement	827 cu. in. (13.6 L)
Fuel Consumption	30.07 gph (113.8 L/hr) @ 1,800 RPM
Continuous HP	559 HP (411 kW) @ 1,800 RPM
Peak Intermittent HP Rating	559 HP (411 kW)
FT4 Specifics (Def or No Def, DOC, SCR, etc.)	DOC / SCR
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: 372000119	Upper Vacuum Kit: 374000102
Bearing Frame Kit: 373000119	Lower Vacuum Kit: 374000103
Priming Chamber Assembly: 1060015894	

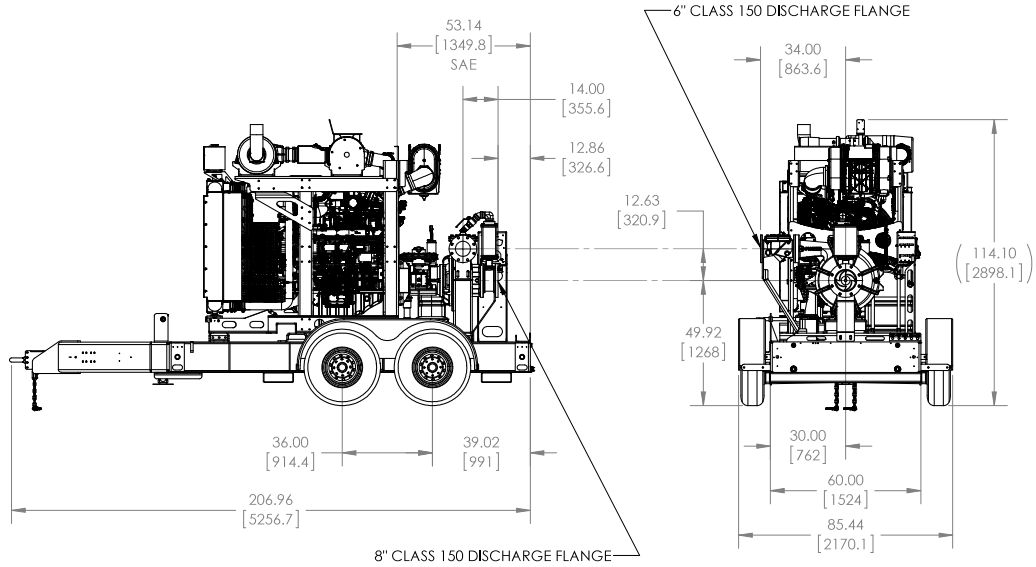
### PACKAGE SPECIFICATIONS

Fuel Capacity	250 gal (946 L)
Control Panel	LOFA CP750E
Operating Speed (Min. / Max.)	1,000 / 2,000 RPM
Weight (Dry / Wet)	12,980 lbs (5,887 kg) / 14,760 lbs (6.695 kg)
Instrument Compatibility	High/low level floats, transducer
Trailer Brakes	Electric

### 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

