

## Pioneer Prime Diesel-Driven Centrifugal Pump Trailer Package

# PP64C21L71-6068CI550

64C21-PPI-01-J



### PUMP SPECIFICATIONS

Size	6" x 4" (150 x 100 mm)
Impeller Diameter	21" (533 mm)
Max. Flow	1,440 gpm (327 m <sup>3</sup> /h)
Max. Head	595 ft (181 meters)
Solids Size	0.88" (22 mm)
Max. Operating Temp.	200 °F (93 °C)
Max. Operating Press.	260 psi (1800 kPa)

### ENGINE SPECIFICATIONS

FT4 Engine Type	John Deere 6068CI550
Displacement	415 cu. in. (6.8 l)
Fuel Consumption	11.7 gph (44.29 l/h) @ 1800 rpm
Continuous HP	248 HP (185 kW) @ 1800 rpm
Peak Intermittent HP Rating	277 HP (204 kW)
FT4 Specifics (Def or No Def, DOC, SCR, etc.)	DOC, DPF, SCR, EGR
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 mechanical 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: 372000120	Upper Vacuum Kit: 374000102
Bearing Frame Kit: 373000117	Lower Vacuum Kit: 374000103
	Priming Chamber Assembly: 1060015894

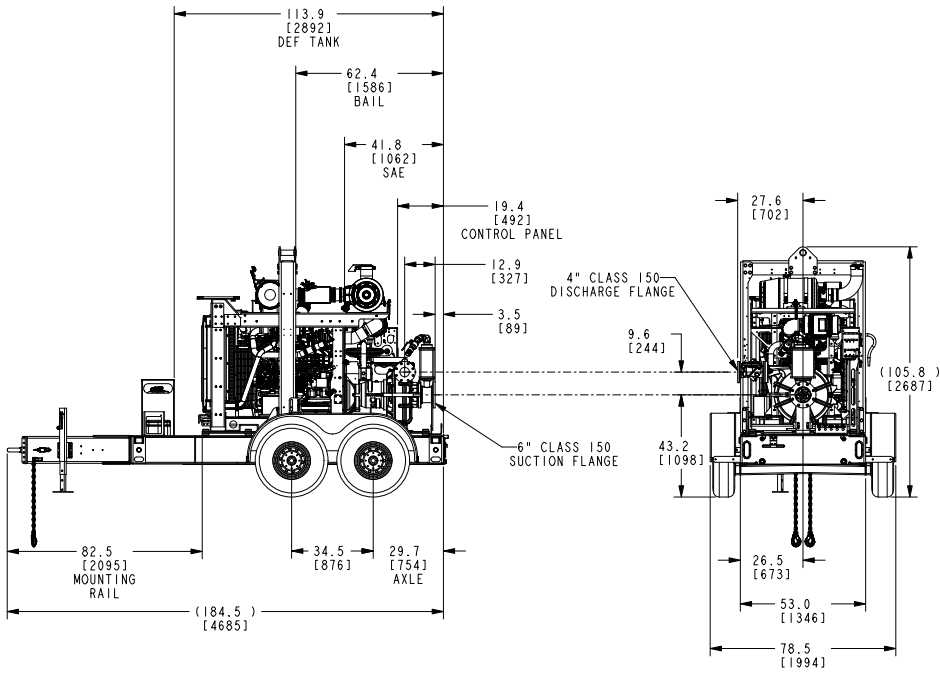
### PACKAGE SPECIFICATIONS

Fuel Capacity	210 gal (795 L)
Control Panel	LOFA CP750E
Operating Speed (Min. / Max.)	1,000 / 2,200 rpm
Weight (Dry/Wet)	8,520 lbs (3,865 kg) / 9,763 lbs (4,429 kg)
Instrument Compatibility	High/low level floats, transducers
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

