

Pioneer Prime Diesel-Driven Centrifugal Pump Trailer Package

PP1212S17L71-6090CI550

1212S17-PPI-01-J



PUMP SPECIFICATIONS

Size	12" X 12" (305 mm X 305 mm)
Impeller Diameter	17.25" (438 mm)
Max Flow	10,420 gpm (2,365 m ³ /h)
Max Head	190 feet (58 meters)
Solids Size	3.6" (90 mm)
Max. Operating Temp.	200 °F (93 °C)
Max. Operating Press.	260 psi (1,800 kPa)

ENGINE SPECIFICATIONS

FT4 Engine Type	John Deere 6090CI550
Displacement	549 cu. in. (9 L)
Fuel Consumption	15.69 gph (59.39 l/h) @ 1,800 rpm
Continuous HP	341 HP (254 kW) @ 1,800 rpm
Peak Intermittent HP Rating	350 HP (261 kW)
FT4 Specifics (Def or No Def, DOC, SCR, etc.)	DOC/DPF/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	Ductile iron body; swing flex nitrile rubber flapper
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: 372000126	Upper Vacuum Kit: 374000102
Bearing Frame Kit: 373000122	Lower Vacuum Kit: 374000103
Priming Chamber Assembly: 1060015894	

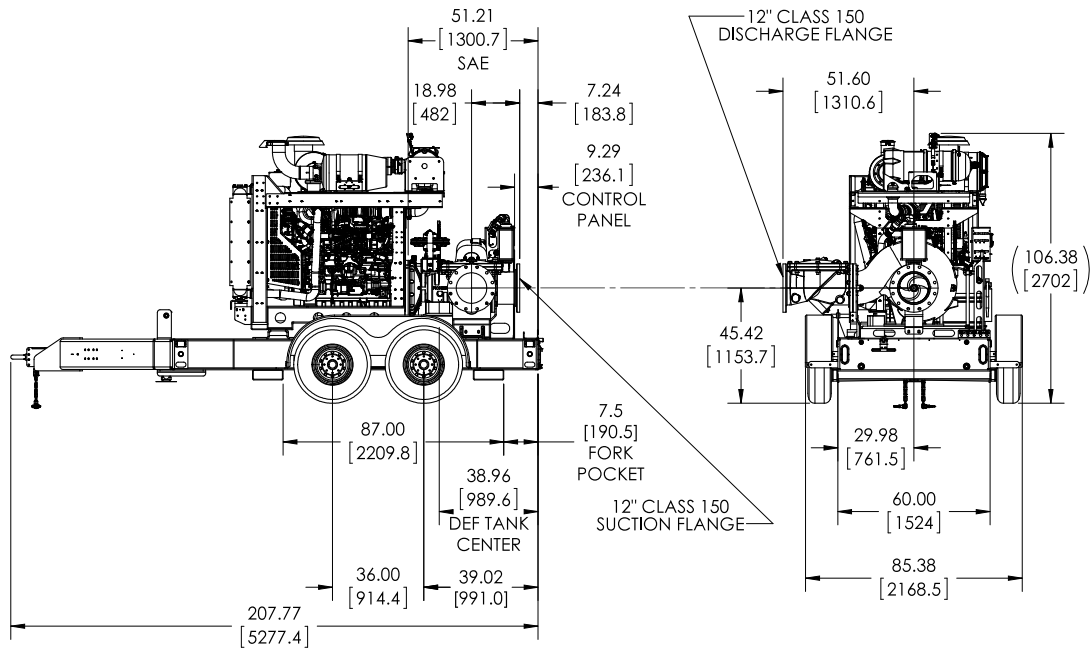
PACKAGE SPECIFICATIONS

Fuel Capacity	250 gal (946 L)
Control Panel	LOFA CP750E
Operating Speed (Min. / Max.)	1,000 / 1,800 rpm
Weight (Dry / Wet)	11,920 lbs (5,407 kg) / 13,695 lbs (6,212 kg)
Instrument Compatibility	High/low level floats, transducer
Trailer Brakes	Electric

MATERIALS OF CONSTRUCTION

Impeller	CA6NM Stainless
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

