PIONEER PRIME DIESEL-DRIVEN CENTRIFUGAL PUMP TRAILER PACKAGE

PP1212S17L71-6068CI550

1212S17T-PPI-01-J

PUMP SPECIFICATIONS

Size	12" X 12" (305 mm X 305 mm)
Impeller Diameter	15.81" (401 mm) @ 16°
Max Flow	10,300 GPM (2.2712 m³/h)
Max Head	128 feet (39 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 6068CI550
Displacement	415 cu. in. (6.8 L)
Fuel Consumption	11.72 gph (44.4 L/h) @ 1,800 RPM
Continuous HP	248 HP (185 kW) @ 1,800 RPM
Peak Intermittent HP Rating	275 HP (205 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	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: 372000126   Upper Vacuum Kit: 374000102
Bearing Frame Kit: 373000122   Lower Vacuum Kit: 374000103
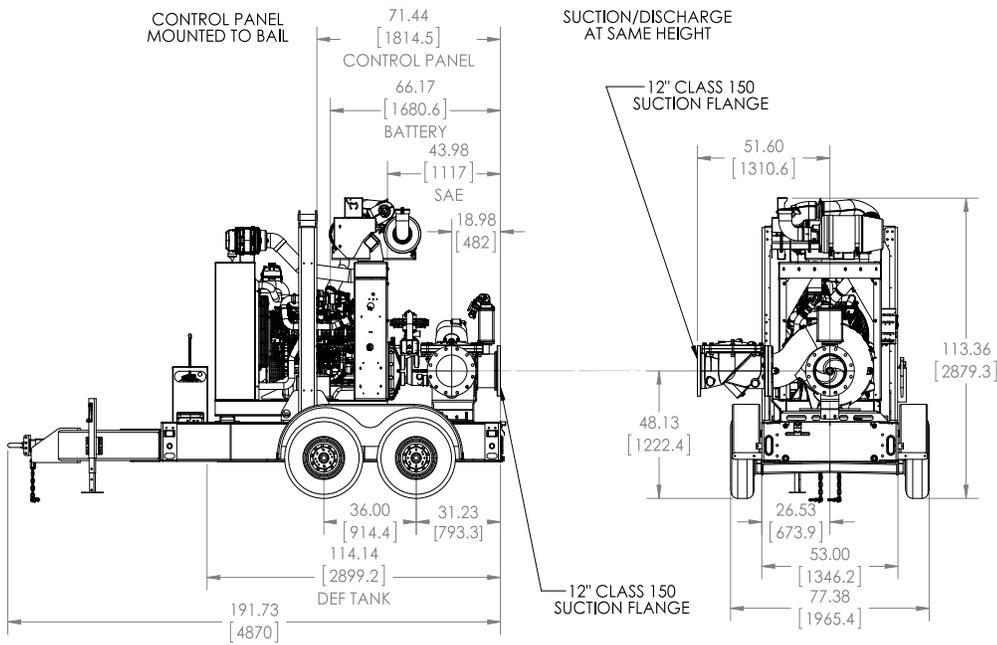Priming Chamber Assembly: 1060015894

PACKAGE SPECIFICATIONS

Fuel Capacity	210 gal (795 L)
Control Panel	LOFA CP750E
Engine Operating Speed (Min. / Max.)	1,200 / 1,800 rpm
Weight (Dry/Wet)	11,920 lbs (5407 kg) / 13,421 lbs (6088 kgs)
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

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MECHANICAL DIMENSIONS

CONTROL PANEL MOUNTED TO BAIL

71.44 [1814.5] CONTROL PANEL

66.17 [1680.6] BATTERY

43.98 [1117] SAE

18.98 [482]

36.00 [914.4]

31.23 [793.3]

114.14 [2899.2] DEF TANK

191.73 [4870]

12" CLASS 150 SUCTION FLANGE

SUCTION/DISCHARGE AT SAME HEIGHT

12" CLASS 150 SUCTION FLANGE

51.60 [1310.6]

113.36 [2879.3]

48.13 [1222.4]

26.53 [673.9]

53.00 [1346.2]

77.38 [1965.4]

PERFORMANCE CURVE

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