



12" Super Vac Assist Diesel-Driven Pump 102-2012

Pump Specifications

Make	Pioneer
Model	PP1212S17
Size	12" x 12" (300 mm x 300 mm)
Impeller Diameter	17.25" (438 mm)
Impeller Type	Enclosed
Max Flow	9,500 gpm (2,190 m ³ /h)
Max Head	325 feet (100 meters)
Max. Operating Speed	1,800 rpm
Max. Operating Temp.	200 °F (93 °C)
Max. Operating Press.	260 psi
Maximum Solid Size	3.75 inch (90 mm)

Engine Specifications

FT4 Engine Type	John Deere 6068HF485, 6-Cylinder
Displacement	415 cu. in. (6.8 l)
Fuel Consumption	11.2 gph @ 1,700 rpm
Continuous HP	225 hp (165.4 kW)
Peak Intermittent HP Rating	276 hp (203 kW)
Safety Shut-Down Switches	Low oil pressure, high temp
Instrument Panel	Oil pressure gauge, ampmeter, hourmeter, tachometer

Priming System

Priming System	Mechanically driven diaphragm-style vacuum pump
Air Removal Cap.	50 cfm (.02 cms)
Priming Chamber	Single chamber with positive sealing air separation PosiValve w/stainless steel float ball & linkage
Discharge Check Valve	Swing type, ductile iron w/Buna-N disc (Viton optional)



Features & Benefits

- Indefinite run-dry capability
- Extreme flow technology
- Environmentally safe priming system
- Auto-start controls
- Skid options available

Package Specifications

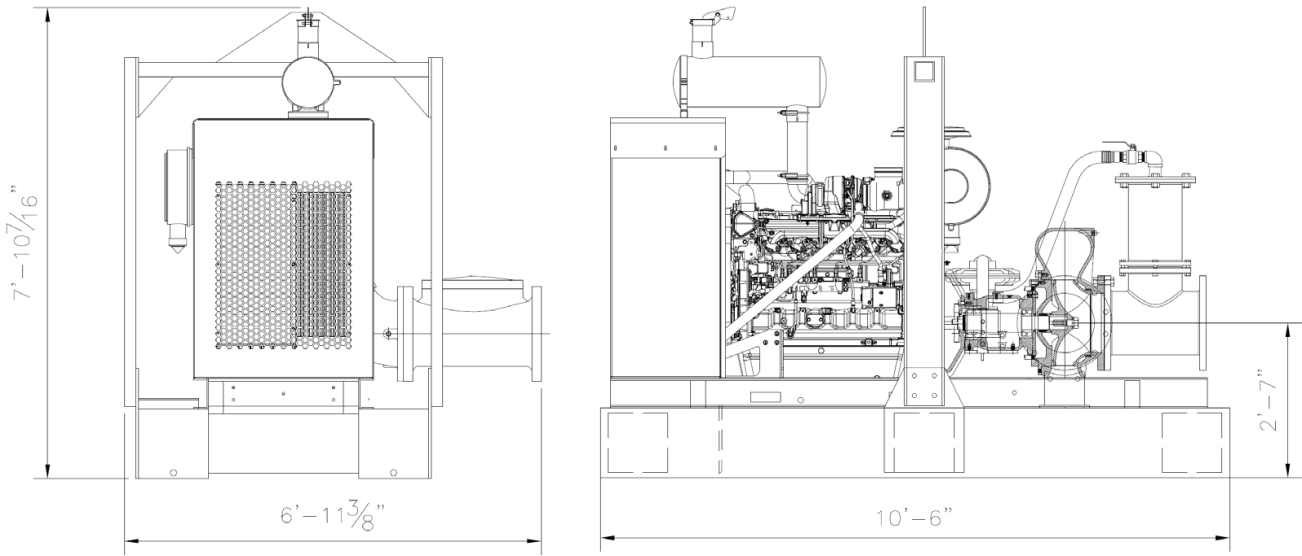
Fuel Capacity	270 U.S. gallons
Control Panel	Controls Inc CX - Programmable Panel
Operating Speed (Min/Max)	1,200 / 1,800 rpm
Weight (Dry/Wet)	7,113 / 9,030 lbs
Instrument Compatibility	High/low level floats, transducers
Trailer Brakes	Electric
Optional Adders	NTE automation

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	Single seal w/ tungsten carbide vs. silicon carbide seal faces, Viton elastomers, 300 series stainless steel hardware & spring, designed for indefinite dry running



Mechanical Dimensions



Performance Curve

Model: PP1212S17	Impeller Dia: 17.25"	Speed: Variable	Solids Size: 3.75"	Curve #07815HQ
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