



12" Vac Assist

Sound Attenuated, Diesel-Driven Centrifugal Pump Trailer Package

104-1012

Pump Specifications

Make	Pioneer
Model	1212S17
Size	12" x 12" (305 mm x 305 mm)
Impeller Diameter	15.81" (400 mm)
Impeller Type	Enclosed
Max Flow	10,300 gpm (2.2712 m ³ /h)
Max Head	128 feet (39 meters)
Max. Operating Speed	1,800 rpm
Max. Operating Temp.	200 °F (93 °C)
Max. Operating Press.	260 psi (1,800 kPa)
Maximum Solid Size	3.6 inch (90 mm)

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	275 hp (205 kW)
HP Rating	
FT4 Specifics	DOC / DPF / SCR / EGR
Safety Shut-Down	
Switches	Low oil pressure, high temp
Instrument Panel	Oil pressure gauge, voltmeter, hourmeter, tachometer

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



Features & Benefits

Indefinite run-dry capability
Extreme flow technology
Environmentally safe priming system: Pioneer Prime
Auto-start controls

Package Specifications

Fuel Capacity	210 U.S. gallons
Control Panel	Controls Inc CX - Programmable Panel
Operating Speed (Min/Max)	1,200 / 1,800 rpm
Weight (Dry/Wet)	10,045 / 11,535 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	Silicon Carbide rotating and Tungsten Carbide stationary

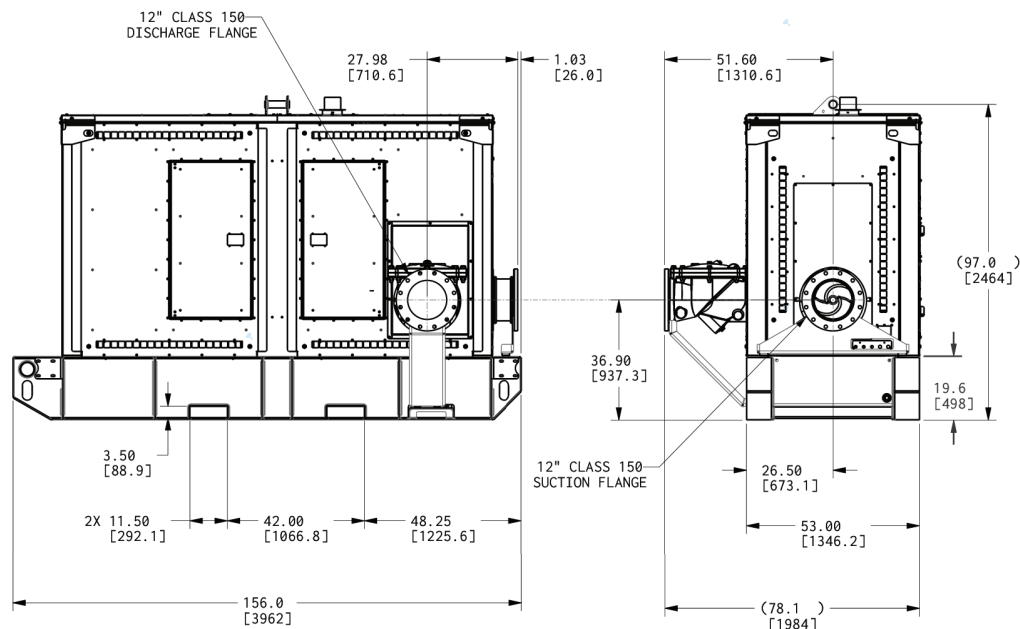


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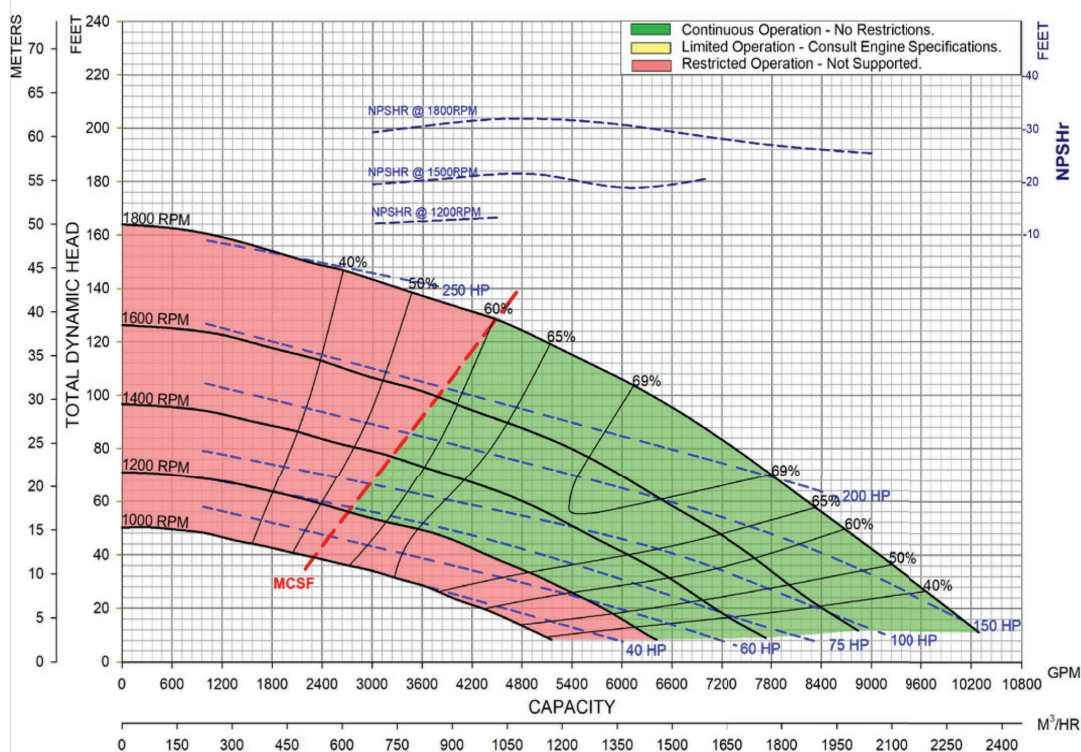
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Mechanical Dimensions



Performance Curve



NTERENTS.COM

SALES@NTERENTS.COM

888.213.7950

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