

8" Vac Assist Sound Attenuated, Diesel-Driven Centrifugal Pump Trailer Package 104-1008

Pump Specifications

Make Model	Pioneer 88S12
Size	8" x 8" (200 mm x 200 mm)
Impeller Diameter	12.25″ (311 mm)
Impeller Type	Enclosed
Max Flow	5,040 gpm
Max Head	180 feet (55 meters)
Max. Operating Speed	2,200 rpm
Max. Operating Temp.	200 °F (93 °C)
Max. Operating Press.	260 psi (1,800 kPa)
Maximum Solid Size	3 inch

Engine Specifications

FT4 Engine Type Displacement	Deutz TCD3.6L4 221 cu. in. (3.6 l)
Fuel Consumption	5.5 gph (21 l/h) @ 1,800 rpm
Continuous HP	111 hp (83 kW) @ 1,800 rpm
Peak Intermittent	134 hp (100 kW)
HP Rating	• • •
FT4 Specifics	DOC / SCR
Number of Cylinders	4
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) Positive sealing air separation Priming Chamber w/stainless steel components **Discharge Check** Swing type, Ductile Iron, Valve 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 Control Panel

Operating Speed (Min/Max) Weight (Dry/Wet) Instrument Compatibility

135 U.S. gallons Controls Inc CX -Programmable Panel 1,000 / 2,200 rpm 5,350 / 6,307 lbs High/low level floats, transducers Electric NTE automation

Trailer Brakes Optional Adders

Materials of Construction

Impeller Shaft Wear Ring Suction Cover Volute Brac-Plate/Bracket

CA6NM Stainless Steel 17-4PH Stainless Steel ASTM A48 Class 40 Gray Iron Ductile Iron ASTM A536 65-45-12 Ductile Iron ASTM A536 65-45-12 Ductile Iron ASTM A536 65-45-12 Mechanical Seal Silicon Carbide rotating and Tungsten Carbide stationary

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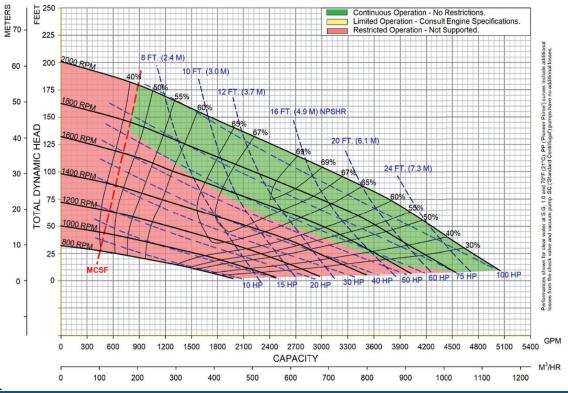
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Mechanical Dimensions 8" CLASS 150 DISCHARGE FLANGE 22.88 581.2 34.63 [879.5] 7.00 [177.8] 8.50 [215.9] œ H 92.49 [2349.2] 41.70 ŧ. [1059.1] (O) 36.44 28.00 [925.5] 711.2 AXLE 56.00 8" CLASS 150 1422.4 165.06 SUCTION FLANGE 4192.6 81.50 2070.1 **Performance Curve** 250 FEET Continuous Operation - No Restrictions Limited Operation - Consult Engine Specifications. Restricted Operation - Not Supported 225 8 FT. (2.4 M) 200 000 RPM 10 FT. (3.0 M)



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