



## 6" Vac Assist Sound Attenuated, Diesel-Driven Centrifugal Pump Trailer Package 104-1006

### Pump Specifications

Make	Pioneer
Model	PP66S12
Size	6" x 6" (150 mm x 150 mm)
Impeller Diameter	11" (279 mm)
Impeller Type	Enclosed
Max Flow	2,840 gpm (645 m <sup>3</sup> /h)
Max Head	182 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 (76 mm)

### Engine Specifications

FT4 Engine Type	Deutz TD2.9L, 4-Cylinder Diesel
Displacement	177 cu. in. (2.9 l)
Fuel Consumption	3.07 gph (11.62 l/h) @ 1,800 rpm
Continuous HP	59 hp (44 kW) @ 1,800 rpm
Peak Intermittent	74 hp (55 kW)
HP Rating	
FT4 Specifics	DOC
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	75 U.S. gallons
Control Panel	Controls Inc CX - Programmable Panel
Operating Speed (Min/Max)	1,000 / 2,200 rpm
Weight (Dry/Wet)	4,150 / 4,931 lbs
Instrument Compatibility	High/low level floats, transducers
Trailer Brakes	Electric
Optional Adders	NTE automation

### Materials of Construction

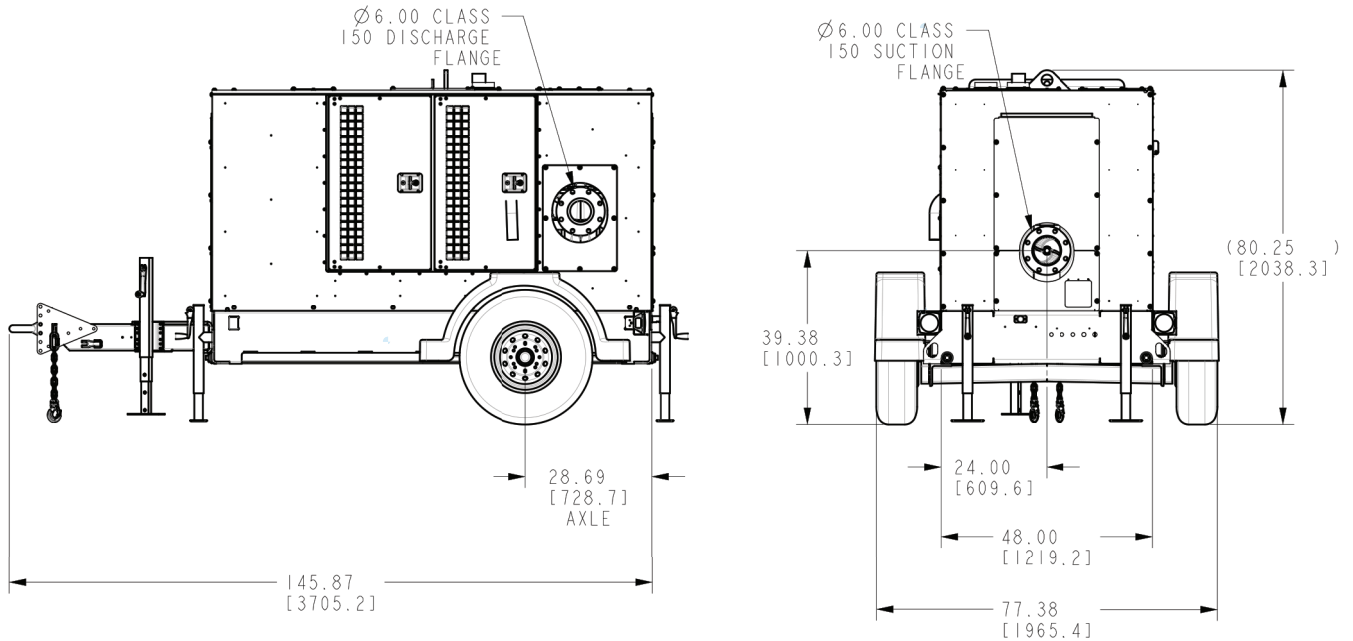
Impeller	CA6NM Stainless Steel
Shaft	17-4 PH Stainless Steel
Wear Ring	ASTM A48 Class 40 Gray Iron
Suction Cover	Ductile Iron ASTM A536 65-45-12
Volute	Ductile Iron ASTM A536 65-45-12
Brac-Plate/Bracket	Ductile Iron ASTM A536 65-45-12
Mechanical Seal	Silicon Carbide rotating and Tungsten Carbide stationary



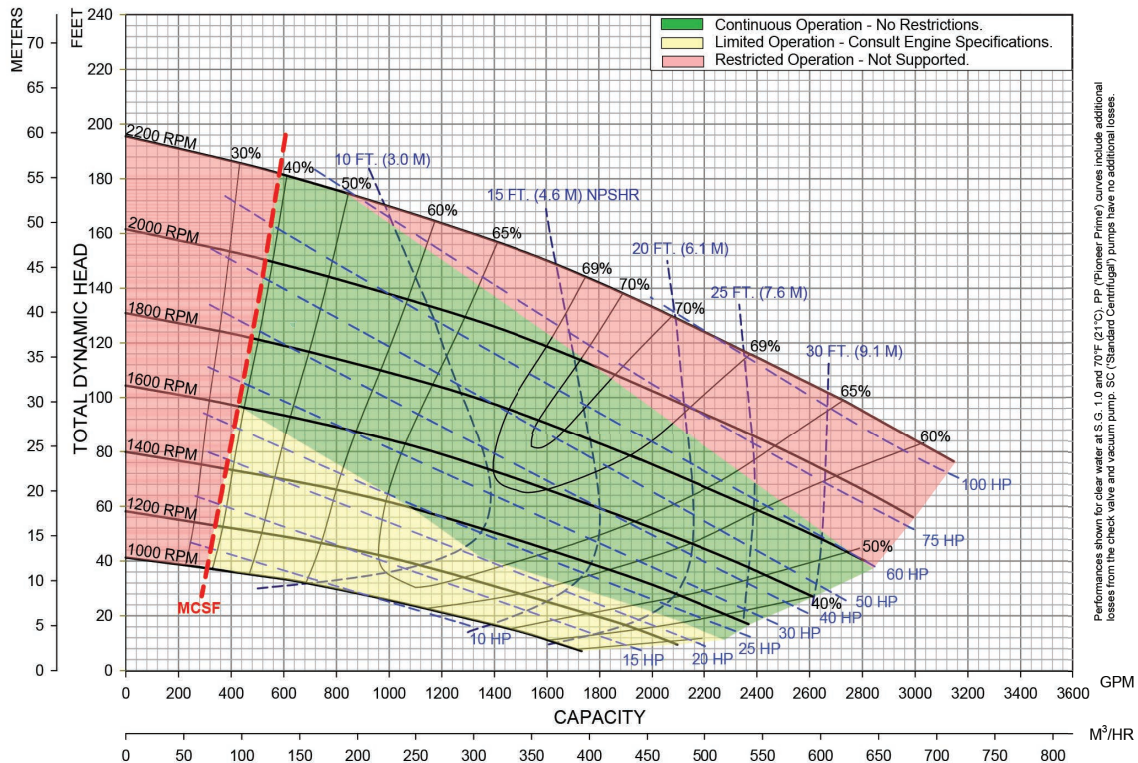
**NATIONAL**  
TANK & EQUIPMENT

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### Mechanical Dimensions



### Performance Curve



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