



Specification Sheet for Model PP66S14L71

Pioneer Prime - Vacuum Assisted
Centrifugal Pump
Diesel-Driven Package

Features

- Indefinite Run-Dry Capability
- Extreme Flow Technology
- Environmentally Safe Priming System with Patented PosiValve™ - No Blow By
- Auto Start Controls

Pump Specifications

Size	6" x 6" Class 150 ANSI Flanges
Volute Casing	ASTM A536 Grade 65 45 12 Ductile Iron
Max Operating Pressure	250 PSI (17.2 BAR)
Wear Ring(s)	ASTM A48 Class 40 Gray Iron
Bracket	ASTM A48 Class 30/35 Gray Iron
Backplate	ASTM A536 Grade 65 45 12 Ductile Iron
Suction Cover	ASTM A536 Grade 65 45 12 Ductile Iron
Mechanical Seal	Single Type Seal w/ Tungsten Carbide vs. Silicon Carbide Seal Faces, Viton Elastomers, 300 Series Stainless Steel Hardware and Spring Seal System
Impeller	Enclosed Type Impeller w/3" Spherical Solids Handling Capability – ASTM A744 CA6NM Stainless Steel
Bearing Housing	ASTM A48 Class 30/35 Gray Iron
Pump End Bearing	Single Row Ball
Drive End Bearing	Single Row Ball
Shaft	1144 Stress Proof Steel Chromed and Ground Fits
O-rings	Buna-n (Viton Optional)
Lubrication	Oil (Grease Optional)
Optional Materials	Consult Factory

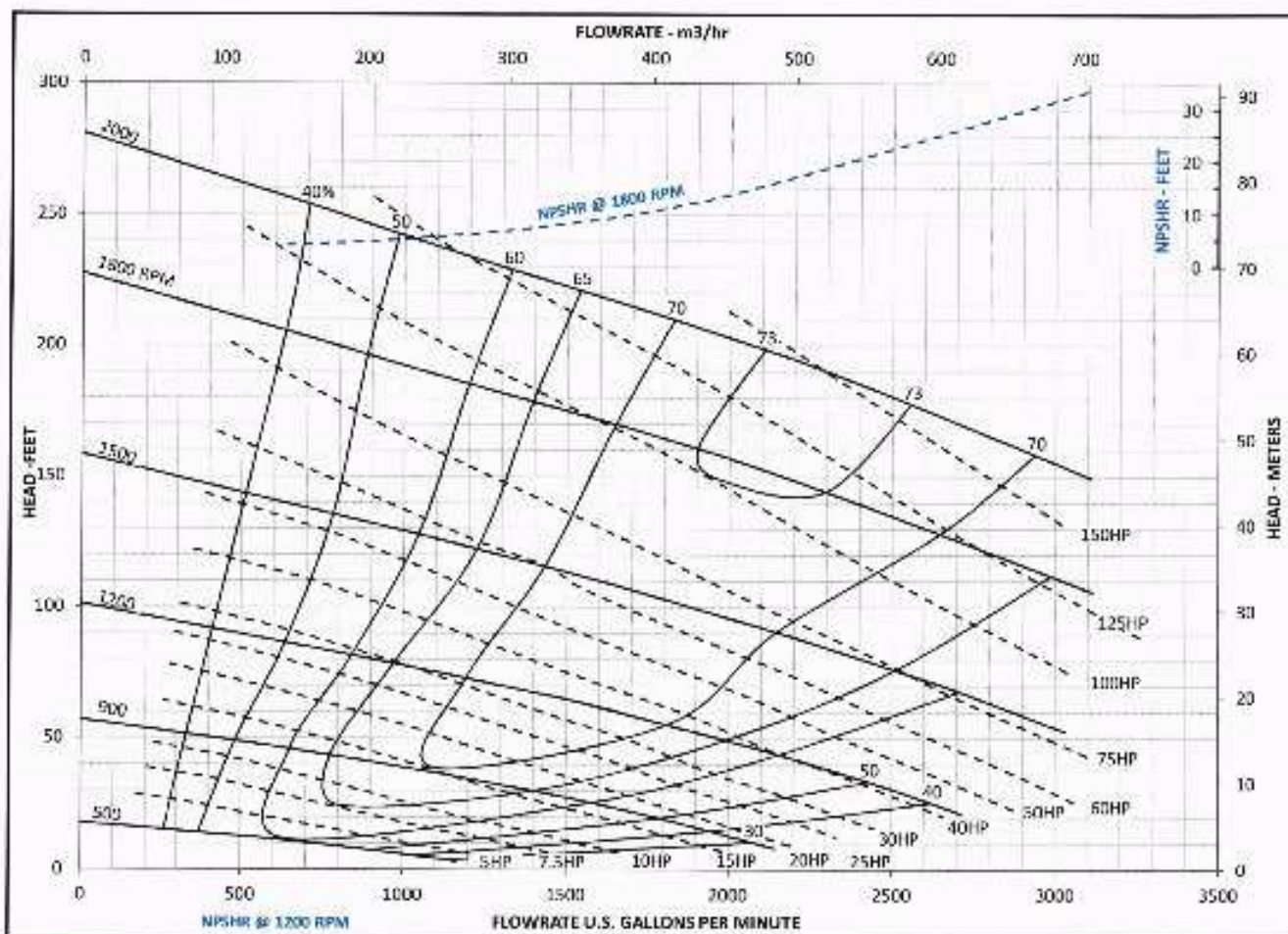


Engine Specifications

Engine Type	CAT C7.1
Fuel Tank	130 gallon
Fuel Consumption	7 gph@1800 rpm

UltraPrime™ Priming System

Priming System	Mechanically Driven Diaphragm Style Vacuum Pump
Air Removal Capability	50 CFM
Priming Chamber	Positive sealing air separation PosiValve™ with stainless steel float ball & linkage.
Discharge Check Valve	Swing Style - Cast Iron with Buna-n Disc
Run Dry System	Oil-lubricated mechanical seal allows the pump to run completely dry without damage



PIONEER PUMP
PERFORMANCE THROUGH INNOVATION™

MODEL:	PP66S14		SPECIFIC GRAVITY	1.0
SIZE:	6" x 6"	150mm x 150mm	DRWG NO.	PP66S14 VS 14
IMPELLER DIAM:	14.00"	356mm	REVISION	000
SOLIDS HANDLING SIZE:	3"	75mm	DATE	8 June, 2017