



Specification Sheet for Model PP44S10L71

Pioneer Prime - Vacuum Assisted
Centrifugal Pump
Diesel-Driven Package

Features

- Extreme Flow Technology
 - Environmentally Safe Priming System with Patented PosiValve™ - No Blow By
 - Indefinite Run-Dry Capability
- DOT ready - consult state requirements for details*

Pump Specifications

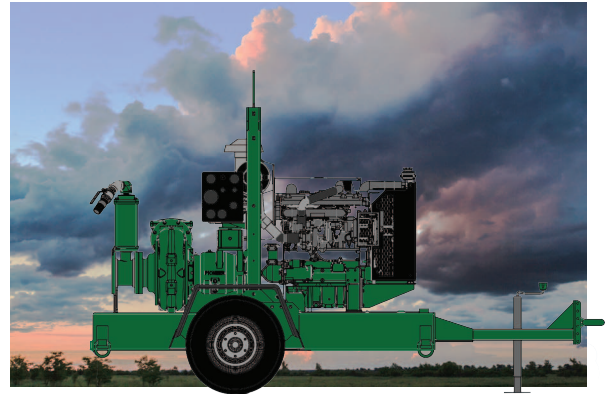
Pump Model	PP44S10L71
Size	4" x 4" Class 150 ANSI Flanges
Flow, max @1800 RPM	1500 US gpm
Head, max @1800 RPM	120 feet
Solids Handling	3 inch

Options

Control Panel	Lofa 750 ASC Panel with float controls
Brakes	Electric Hydraulic

Materials of Construction

Shaft	17-4 PH Stainless Steel
Impeller	CA6NM
Volute	Ductile Iron ASTM A536 65-45-12
Wear Ring	ASTM A48 Class 40 Gray Iron
Suction Cover	Ductile Iron ASTM A536 65-45-12
Bracket	Ductile Iron ASTM A536 65-45-12
Backplate	Ductile Iron ASTM A536 65-45-12



Engine Specifications

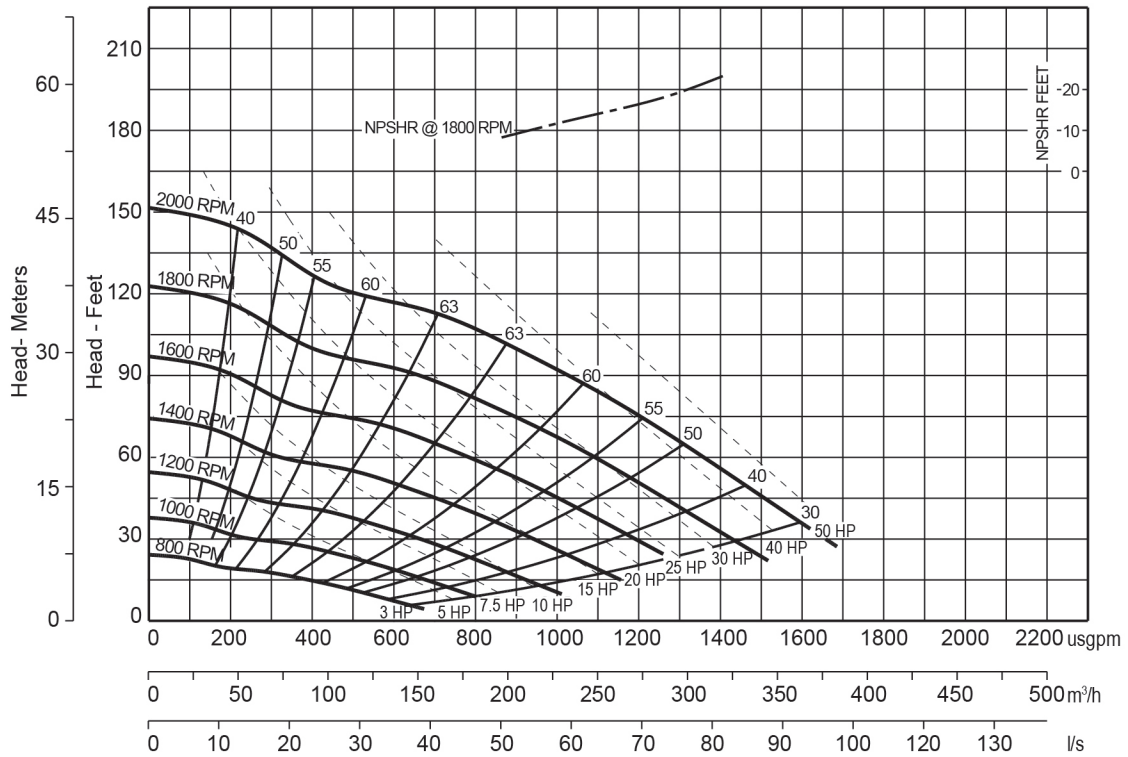
Engine Type
Displacement
Fuel Tank, Typical
Fuel Consumption
Horsepower
Operating Time
Control Panel

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

Performance Curve

MODEL: PP44S10 IMPELLER DIA.: 10" SOLIDS SIZE: 3.0"



Mechanical Drawing

PP44S10L71

dry weight US lbs
 wet weight US lbs

