

150SM

Pump Model PP66S12

Pioneer Prime Vacuum Assisted
Diesel-Driven Package



Specifications

Pump Size:	150 x 150 mm
Max Flow:	800 m ³ /h
Max Head:	55 metres
Solids Size:	76 mm
Max Speed:	2000 rpm
Rated Power @ BEP:	55 kW
Fuel Tank Size:	430 litres
Fuel Consumption @ BEP:	17 l/h
Max Running Hours @ Full Load:	29 h
Sound Rating @ 7 m:	64 dBA
L x W x H (mm):	2600 × 1180 × 1800
Dry Weight:	2150 kg
Wet Weight:	2550 kg

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 – Ductile Iron with Buna-n Disc
Run Dry System:	Oil-lubricated mechanical seal allows the pump to run completely dry without damage

Features

- Indefinite Run-Dry Capability
- Efficient Design for Reduced Operating Costs
- Auto Stop/Start with Floats
- Sound Attenuated, Fully Bunded Packages
- Spark Arresting Mufflers
- Chalwyn Valve
- Environmentally Safe Priming System with Patented PosiValve™ – No Blow By

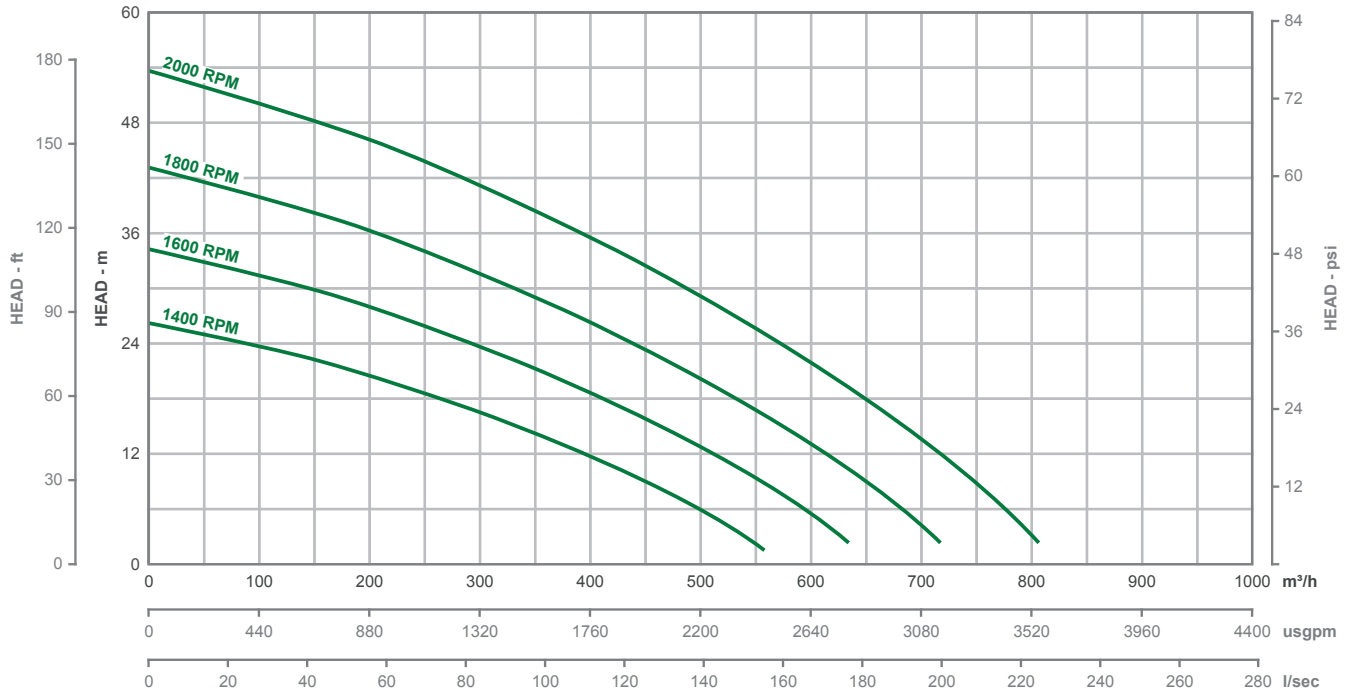
Engine Specifications

Engine Type:	JCB 444 TC-63 kW
Displacement:	4.4 litres
Max Continuous Horsepower:	60 kW
Safety Shutdown Switches:	Low Oil Pressure, High Temperature and V-Belt Failure

Pump Specifications

Size:	150 x 150 mm
Volute Casing:	ASTM A536 Grade 65 45 12 Ductile Iron
Mechanical Seal:	Tungsten Carbide vs. Silicon Carbide Seal Faces, Viton Elastomers
Impeller:	Enclosed Type Impeller – CA6NM Stainless Steel
Shaft:	17-4 PH

Performance Chart



Mechanical Drawing

