PIONEER PUMP
PERFORMANCE THROUGH INNOVATION™

150VM

Pump Model PP66V12

Pioneer Prime Vacuum Assisted
Diesel-Driven Package



Specifications

Pump Size:	150 × 150 mm
Max Flow:	480 m³/h
Max Head:	40 metres
Solids Size:	125 mm
Operating Speed Range:	1400–2000 rpm
Rated Power at BEP:	40 kW
Fuel Tank Size:	430 litres
Fuel Consumption at BEP:	10 l/h
Max Running Hours at BEP:	46 h
Sound Rating:	64 dBA at 7 m
L x W x H:	2600 × 1180 × 1950 mm
Dry Weight:	2135 kg
Wet Weight:	2375 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 and Linkage
Discharge Check Valve:	90 Degree Ball Style – Ductile Iron with Viton Ball
Run Dry System:	Oil-Lubricated Mechanical Seal Allows the Pump to Run Completely Dry Without Damage

Features

- Vortex Impeller Design – Large Solid Handling Capability
- Indefinite Run-Dry Capability
- Efficient Design for Reduced Operating Costs
- Auto Stop/Start Control Panel
- Sound Attenuated, Fully Bunded Packages
- Spark Arresting Silencers
- Remote Auxiliary Fuel Connections
- Environmentally Safe Priming System with Patented PosiValve™ – No Liquid Carry-Over

Engine Specifications

Engine Type:	JCB 444 TC-63 kW
Displacement:	4.4 litres
Max Continuous Power:	55.3 kW
Safety Shutdown Switches:	Low Oil Pressure, High Temperature and V-Belt Failure

Construction Materials

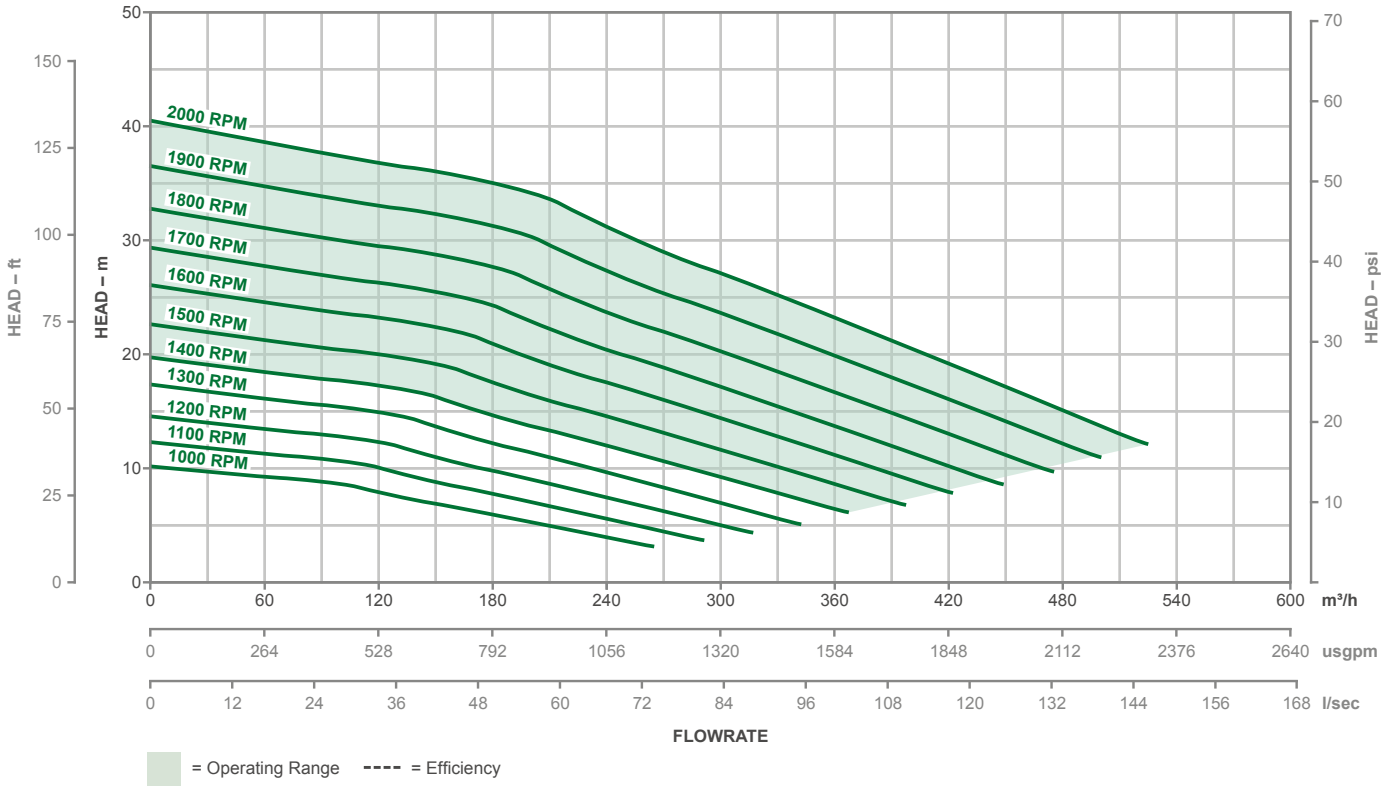
Volute Casing:	Cast Iron G25
Mechanical Seal:	Silicon Carbide vs. Silicon Carbide, Viton Elastomers
Impeller:	Vortex Type Impeller, Ductile Iron GS500
Shaft:	17-4 PH

Options: Floats or Telemetry Controls, Road Tow Trailer, Site Trailer, Crash Frame Skid, Electric Driven, Canopy Mounted Working Lights, ATEX Approved Spark Arrestors, Chalwyn Valve

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Performance Curve



Mechanical Drawing

