

Pioneer Prime Vacuum Assisted
Stage V Diesel-Driven Centrifugal Pump
Sound Attenuated Canopy Package

200VL-EVO



PUMP SPECIFICATIONS

Model	PP88V12
Size	8 x 8" (200 x 200 mm)
Max Flow	565 m^3/h
Max Head	19 m
Solids Size	4.3" (110 mm)

ENGINE SPECIFICATIONS

Engine Type	Perkins 404J-E22TA, Diesel
Displacement	2.2 l
Fuel Consumption at BEP	7.1 l/h @ 1400 rpm
Max Running Hours at BEP	60 h @ 1400 rpm
Continuous Power	74 HP (55 kW) @ 1400 rpm
Aftertreatment Specifics (DEF, DOC, SCR, etc.)	Diesel Particulate Filter, Diesel Oxidation Catalyst
Emmissions Compliance	EU Stage V

PRIMING SYSTEM

Priming System	Mechanically Driven Vacuum Pump
Air Removal Capacity	24 l/s (50CFM)
Priming Chamber	Air Separation Pioneer Prime w/SS Components
Discharge Check Valve	Ductile Iron Body; Nitrile Rubber Ball
Run Dry System	Oil Reservoir for Mechanical Seal; Indefinite Run-Dry Capability

FEATURES

- Indefinite Run-Dry Capability
- Environmentally Safe Priming System with Patented PosiValve™
- Spark Arresting Silencer
- Auxiliary Fuel Tank Connections
- Digital Fuel Level Gauge
- Digital Suction & Discharge Pressure Transducers
- Quick Connect Suction & Discharge Couplings
- Vortex Impeller & Extreme Solids Handling Capability

OPTIONS AND ACCESSORIES

Telemetry	Full Control & Remote Monitoring with Alerts
Certified Spark Arrestor	ATEX Approved
Trailers	EU Approved, Fast Tow or Plant Trailers & Heavy Duty Non-EU Site Tow Trailer
Safety	Air Intake Shutdown Valve
Battery Standby	Solar Panel Trickle Charger

PACKAGE SPECIFICATIONS

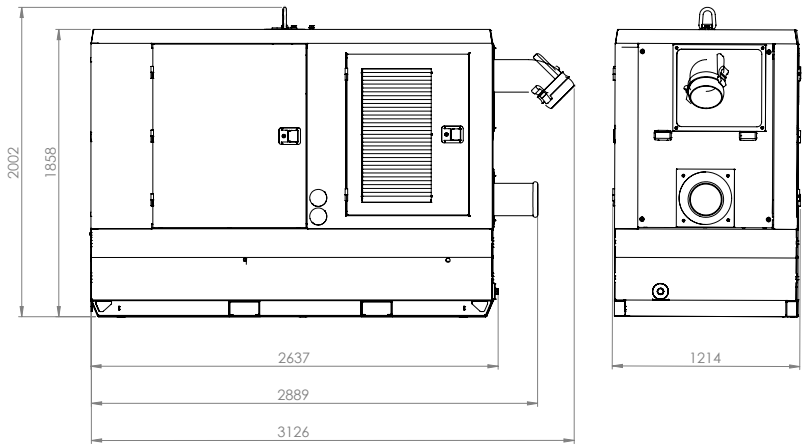
Fuel Tank Capacity	430 l
Control Panel	E400 Auto Stop/Start
Operating Speed (Min. / Max.)	1200 - 1400 rpm
Weight (Dry / Wet)	2150 kg / 2500 kg
Dimensions (L x W x H)	2600 x 1180 x 1860 mm
Enclosure dB(A) Rating	64 dB(A) @ 7m
Canopy Material & Finish	Zinc Plated Steel, Painted Green RAL6005
Skid/Bund Material & Finish	Carbon Steel, Hot Dip Galvanised

MATERIALS OF CONSTRUCTION

Impeller	CA6NM Stainless Steel
Shaft	17-4 PH Stainless Steel
Wear Ring	ASTM A48 Class 40 Gray Iron
Volute	Ductile Iron ASTM A536 65-45-12
Mechanical Seal	Silicon Carbide Rotating vs Tungsten Carbide Stationary, Fluoroelastomers



MECHANICAL DIMENSIONS & WEIGHTS



Weight (Dry / Wet): 2150 kg / 2500 kg

PERFORMANCE CURVE

Model: PP88V12 **Impeller Diameter: 12”** **Solids Size: 4.3”**

