



# 100SH-EVO

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

## Pump Specifications

Model	PP64S17
Size	6 x 4" (150 x 100 mm)
Max Flow	540 m <sup>3</sup> /h
Max Head	92 m
Solids Size	3" (76 mm)

## Engine Specifications

Engine Type	Perkins 1204J-E44TTA, Diesel
Displacement	4.4 l
Fuel Consumption at BEP	19.6 l/h @ 1800 rpm
Max Running Hours at BEP	36 h @ 1800 rpm
Continuous Power	173 HP (129 kW) @ 1800 rpm
Aftertreatment Specifics (DEF, DOC, SCR, etc.)	Diesel Particulate Filter, Diesel Oxidation Catalyst, Selective Catalytic Reduction
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; Swing Flex Nitrile Rubber Flapper
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

### 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
Materials	Duplex Stainless Steel Available

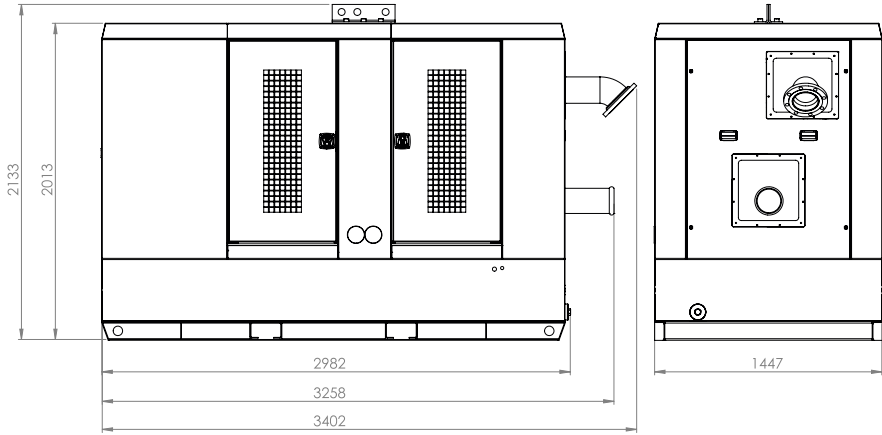
### Package Specifications

Fuel Tank Capacity	695 l
Control Panel	E400 Auto Stop/Start
Operating Speed (Min. /Max.)	1400 - 1800 rpm
Weight (Dry / Wet)	2940 kg / 3530 kg
Dimensions (L × W × H)	2982 x 1447 x 2103 mm
Enclosure dB(A) Rating	70 dB(A) @ 7m
Canopy Material & Finish	Steel, Painted, 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): 2940 kg / 3530 kg

## Performance Curve

Model: PP64S17

Impeller Diameter: 15.5"

Solids Size: 3"

