



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

# 150SH-EVO

## PUMP SPECIFICATIONS

Model	PP86S17
Size	8 x 6" (200 x 150 mm)
Max Flow	1060 m <sup>3</sup> /h
Max Head	107 m
Solids Size	3" (76 mm)

## ENGINE SPECIFICATIONS

Engine Type	Scania DC09, Diesel
Displacement	9.3 l
Fuel Consumption at BEP	39 l/h @ 1800 rpm
Max Running Hours at BEP	19 h @ 1800 rpm
Continuous Power	311 HP (232 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

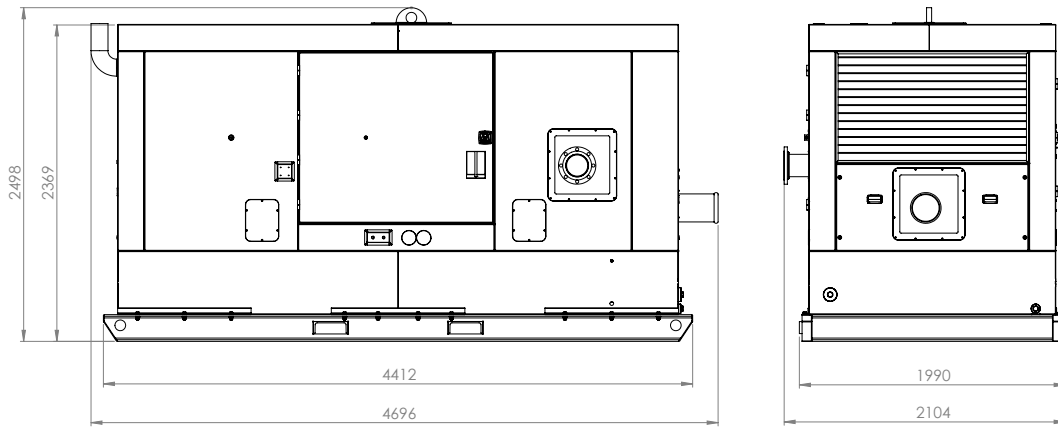
## PACKAGE SPECIFICATIONS

Fuel Tank Capacity	765 l
Control Panel	E400 Auto Stop/Start
Operating Speed (Min. / Max.)	1400 - 1800 rpm
Weight (Dry / Wet)	6325 kg / 6940 kg
Dimensions (L x W x H)	4420 x 1960 x 2570 mm
Enclosure dB(A) Rating	65 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): 6325 kg / 6940 kg

## PERFORMANCE CURVE

Model: PP86C17

Impeller Diameter: 17"

Solids Size: 3"

