

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

150SX-EVO



PUMP SPECIFICATIONS

Model	PP86S20
Size	8 x 6" (200 x 150 mm)
Max Flow	910 m ³ /h
Max Head	150 m
Solids Size	3" (76 mm)

ENGINE SPECIFICATIONS

Engine Type	Scania DC13, Diesel
Displacement	12.7 l
Fuel Consumption at BEP	75.5 l/h @ 1800 rpm
Max Running Hours at BEP	10 h @ 1800 rpm
Continuous Power	543 HP (405 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

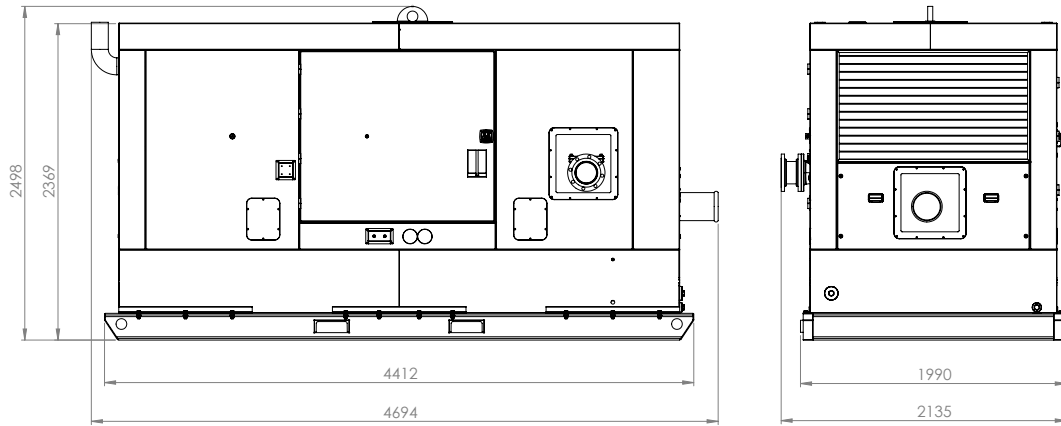
PACKAGE SPECIFICATIONS

Fuel Tank Capacity	765 l
Control Panel	E400 Auto Stop/Start
Operating Speed (Min. / Max.)	1400 - 1800 rpm
Weight (Dry / Wet)	6765 kg / 7400 kg
Dimensions (L x W x H)	4412 x 1990 x 2369 mm
Enclosure dB(A) Rating	80 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): 6765 kg / 7400 kg

PERFORMANCE CURVE

Model: PP86S20

Impeller Diameter: 20"

Solids Size: 3"

