

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

300SM-EVO



PUMP SPECIFICATIONS

| | |
|-------------|-------------------------|
| Model | PP1212S17 |
| Size | 12 x 12" (300 x 300 mm) |
| Max Flow | 2150 m ³ /h |
| Max Head | 66 m |
| Solids Size | 3.75" (95 mm) |

ENGINE SPECIFICATIONS

| | |
|--|---|
| Engine Type | Scania DC09, Diesel |
| Displacement | 9.3 l |
| Fuel Consumption at BEP | 37.75 l/h @ 1650 rpm |
| Max Running Hours at BEP | 20 h @ 1650 rpm |
| Continuous Power | 311 HP (232 kW) @ 1650 rpm |
| Aftertreatment Specifics (DEF, DOC, SCR, etc.) | Diesel Particulate Filter, Diesel Oxidation Catalyst, Selective Catalytic Reduction |
| Emmissions Compliance | EU Stage V |

PRIMING SYSTEM

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|-----------------------|--|
| 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

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|--------------------------|--|
| 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

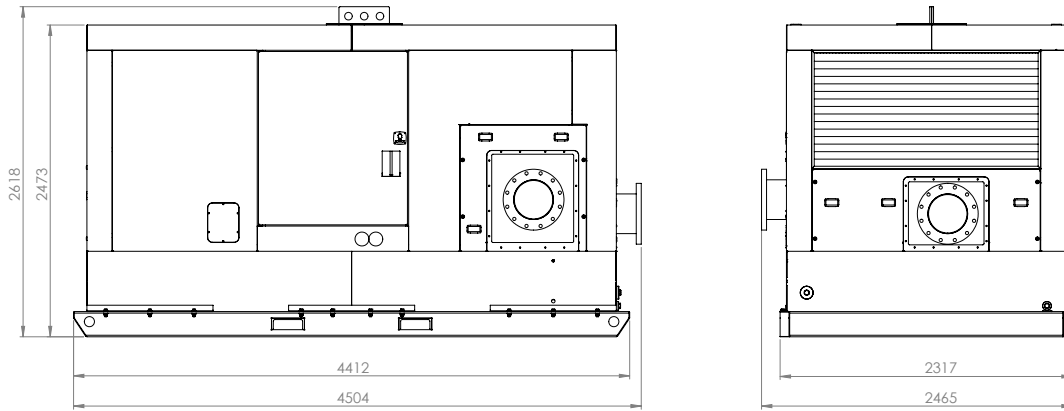
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|-------------------------------|--|
| Fuel Tank Capacity | 765 l |
| Control Panel | E400 Auto Stop/Start |
| Operating Speed (Min. / Max.) | 1400 - 1650 rpm |
| Weight (Dry / Wet) | 7500 kg / 7900 kg |
| Dimensions (L x W x H) | 4412 x 1990 x 2369 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): 7500 kg / 7900 kg

PERFORMANCE CURVE

Model: PP1212S17

Impeller Diameter: 16.5"

Solids Size: 3.75"

