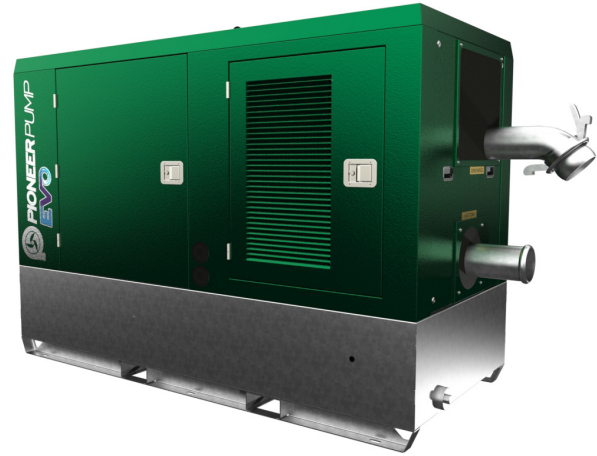




**Pioneer Prime Vacuum Assisted  
Stage V Diesel-Driven Centrifugal Pump  
Sound Attenuated Canopy Package**

# 150SM-EVO



## PUMP SPECIFICATIONS

|             |                       |
|-------------|-----------------------|
| Model       | PP66S11               |
| Size        | 6 x 6" (150 x 150 mm) |
| Max Flow    | 620 m <sup>3</sup> /h |
| Max Head    | 39 m                  |
| Solids Size | 3" (76 mm)            |

## ENGINE SPECIFICATIONS

|  |  |
|--|--|
| Engine Type                                    | Perkins 404J-E22TA Diesel                            |
| Displacement                                   | 2.2 l  |
| Fuel Consumption at BEP                        | 10.2 l/h @ 1800 rpm                                  |
| Max Running Hours at BEP                       | 42 h @ 1800 rpm                                      |
| Continuous Power                               | 74 HP (55 kW) @ 1800 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; Swing Flex 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

## 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   |

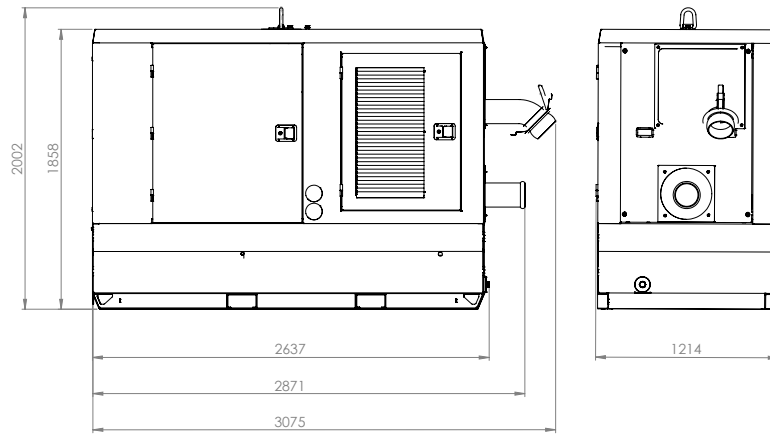
## PACKAGE SPECIFICATIONS

|                               |  |
|-------------------------------|--|
| Fuel Tank Capacity            | 430 l                                    |
| Control Panel                 | E400 Auto Stop/Start                     |
| Operating Speed (Min. / Max.) | 1400 - 1800 rpm                          |
| Weight (Dry / Wet)            | 2070 kg / 2450 kg                        |
| Dimensions (L x W x H)        | 2637 x 1214 x 1858 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): 2070 kg / 2450 kg

## PERFORMANCE CURVE

Model: PP66S11

Impeller Diameter: 11"

Solids Size: 3"

