

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

# 200SXX-EVO



## PUMP SPECIFICATIONS

|             |                        |
|-------------|------------------------|
| Model       | PP128S22               |
| Size        | 12 x 8" (300 x 200 mm) |
| Max Flow    | 2125 m <sup>3</sup> /h |
| Max Head    | 140 m                  |
| Solids Size | 3" (76 mm)             |

## ENGINE SPECIFICATIONS

|  |                               |
|--|-------------------------------|
| Engine Type                                    | Scania DC16, Diesel           |
| Displacement                                   | 16.4 l                        |
| Fuel Consumption at BEP                        | 112.5 l/h @ 1850 rpm          |
| Max Running Hours at BEP                       | 7 h @ 1850 rpm                |
| Continuous Power                               | 759 HP (566 kW) @ 1850 rpm    |
| Aftertreatment Specifics (DEF, DOC, SCR, etc.) | 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   |

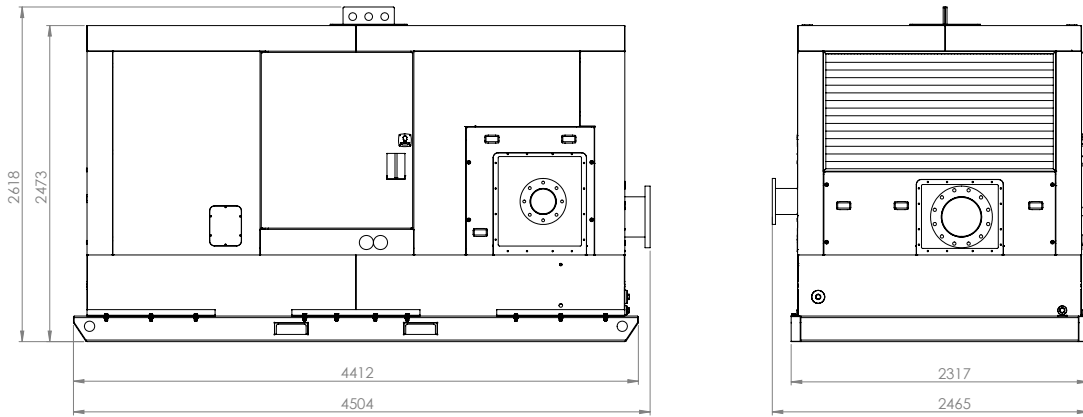
## PACKAGE SPECIFICATIONS

|                               |  |
|-------------------------------|--|
| Fuel Tank Capacity            | 830 l                                    |
| Control Panel                 | E400 Auto Stop/Start                     |
| Operating Speed (Min. / Max.) | 1400 - 1850 rpm                          |
| Weight (Dry / Wet)            | 7500 kg / 8165 kg                        |
| Dimensions (L x W x H)        | 4412 x 2317 x 2473 mm                    |
| Enclosure dB(A) Rating        | 85 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 / 8165 kg

## PERFORMANCE CURVE

Model: PP128S22

Impeller Diameter: 19.5"

Solids Size: 3"

