

80CH-EVO

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

Pump Specifications

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|-------------|-----------------------|
| Model | PP63C17 |
| Size | 6 x 3" (150 x 80 mm) |
| Max Flow | 245 m ³ /h |
| Max Head | 116 m |
| Solids Size | 0.75" (19 mm) |

Engine Specifications

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|--|--|
| Engine Type | Perkins 904J-E36TA, Diesel |
| Displacement | 3.6 l |
| Fuel Consumption at BEP | 17.5 l/h @ 1900 rpm |
| Max Running Hours at BEP | 40 h @ 1900 rpm |
| Continuous Power | 121 HP (90 kW) @ 1900 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 Mechan- ical 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 |

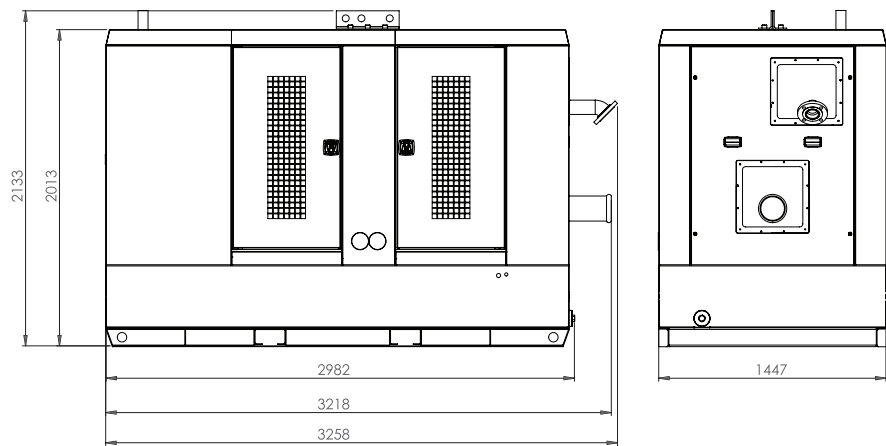
Package Specifications

| | |
|------------------------------|----------------------------------|
| Fuel Tank Capacity | 695 l |
| Control Panel | E400 Auto Stop/Start |
| Operating Speed (Min. /Max.) | 1400 - 1900 rpm |
| Weight (Dry / Wet) | 2555 kg / 3100 kg |
| Dimensions (L × W × H) | 2982 × 1447 × 2103 mm |
| Enclosure dB(A) Rating | 70 dB(A) @ 7m |
| Canopy Material & Finish | Steel, Painted 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): 2555 kg / 3100 kg

Performance Curve

Model: PP63C17 Impeller Diameter: 17" Solids Size: 0.75"

