

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

# 100SL-EVO



## PUMP SPECIFICATIONS

Model	PP44S8
Size	4 x 4" (100 x 100 mm)
Max Flow	330 m <sup>3</sup> /h
Max Head	23 m
Solids Size	3" (76 mm)

## ENGINE SPECIFICATIONS

Engine Type	Perkins 403J-17, Diesel
Displacement	1.7 l
Fuel Consumption at BEP	3.2 l/h @ 1800 rpm
Max Running Hours at BEP	39 h @ 1800 rpm
Continuous Power	25.3 HP (18.9 kW) @ 1800 rpm
Aftertreatment Specifics (DEF, DOC, SCR, etc.)	None Required
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
- Suction & Discharge Pressure Gauges
- Quick Connect Suction & Discharge Couplings

## OPTIONS AND ACCESSORIES

Telemetry	Full Control & Remote Monitoring with Alerts
Certified Spark Arrestor Trailers	ATEX Approved EU Approved, Fast Tow or Plant Trailers & Heavy Duty Non-EU Site Tow Trailer
Safety	Air Intake Shutdown Valve
Battery Standby Materials	Solar Panel Trickle Charger Duplex Stainless Steel Available

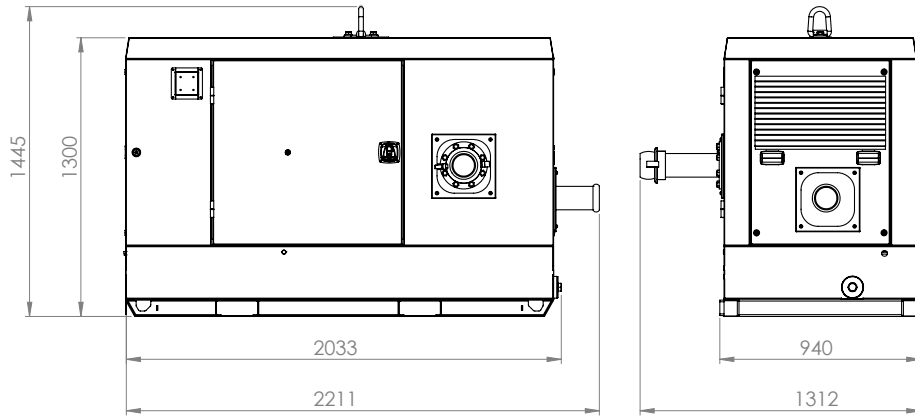
## PACKAGE SPECIFICATIONS

Fuel Tank Capacity	125 l
Control Panel	E100 Auto Stop/Start
Operating Speed (Min. / Max.)	1400 - 1800 rpm
Weight (Dry / Wet)	1050 kg / 1150 kg
Dimensions (L x W x H)	2033 x 940 x 1300 mm
Enclosure dB(A) Rating	65 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



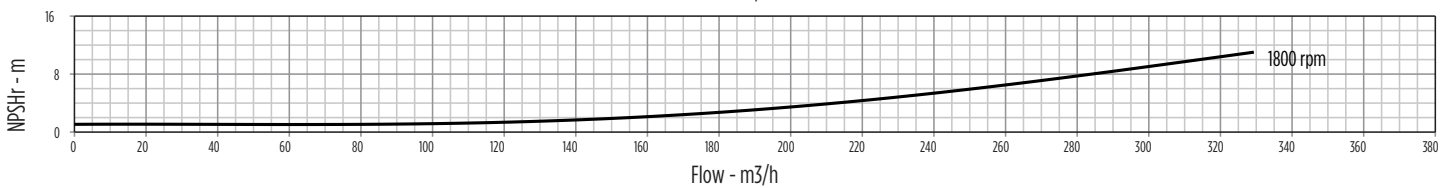
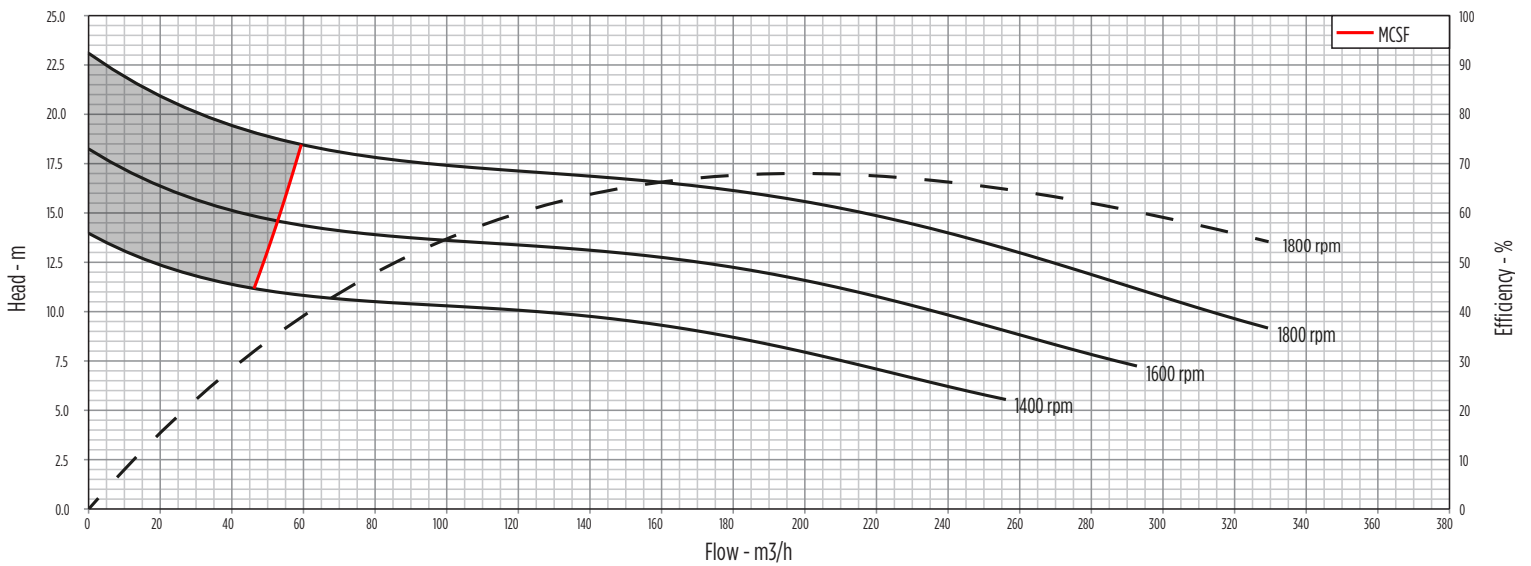
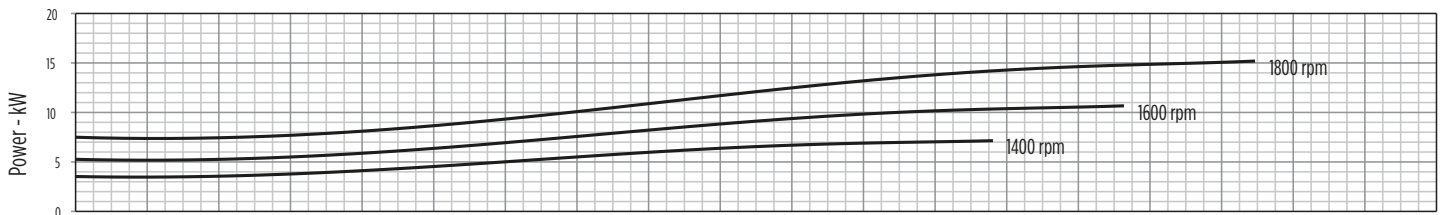
Weight (Dry / Wet): 1050 kg / 1150 kg

## PERFORMANCE CURVE

Model: PP44S8

Impeller Diameter: 8.25"

Solids Size: 3"



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

# 100SM-EVO



## PUMP SPECIFICATIONS

Model	PP44S10
Size	4 x 4" (100 x 100 mm)
Max Flow	375 m <sup>3</sup> /h
Max Head	39 m
Solids Size	3" (76 mm)

## ENGINE SPECIFICATIONS

Engine Type	Perkins 403J-E17T, Diesel
Displacement	1.7 l
Fuel Consumption at BEP	6.3 l/h @ 2000 rpm
Max Running Hours at BEP	32 h @ 2000 rpm
Continuous Power	48 HP (36 kW) @ 2000 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 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
- Quick Connect Suction & Discharge Couplings

## OPTIONS AND ACCESSORIES

Telemetry	Full Control & Remote Monitoring with Alerts
Certified Spark Arrestor Trailers	ATEX Approved EU Approved, Fast Tow or Plant Trailers & Heavy Duty Non-EU Site Tow Trailer
Safety	Air Intake Shutdown Valve
Battery Standby Materials	Solar Panel Trickle Charger Duplex Stainless Steel Available

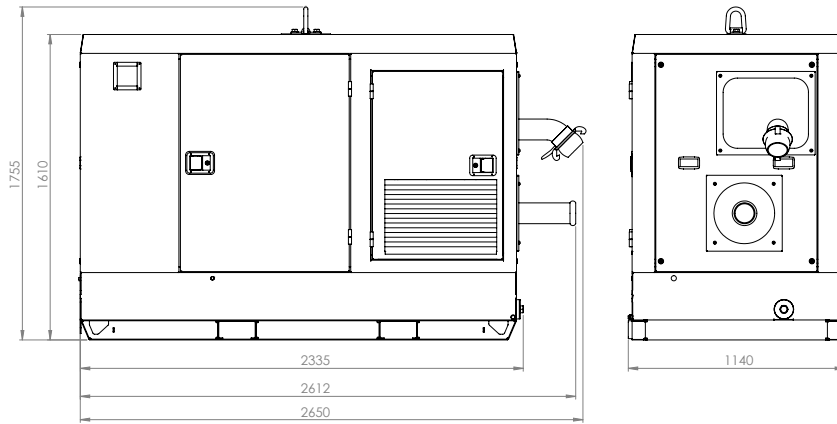
## PACKAGE SPECIFICATIONS

Fuel Tank Capacity	200 l
Control Panel	E400 Auto Stop/Start
Operating Speed (Min. / Max.)	1400 - 2000 rpm
Weight (Dry / Wet)	1370 kg / 1600 kg
Dimensions (L x W x H)	2335 x 1140 x 1610 mm
Enclosure dB(A) Rating	60 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



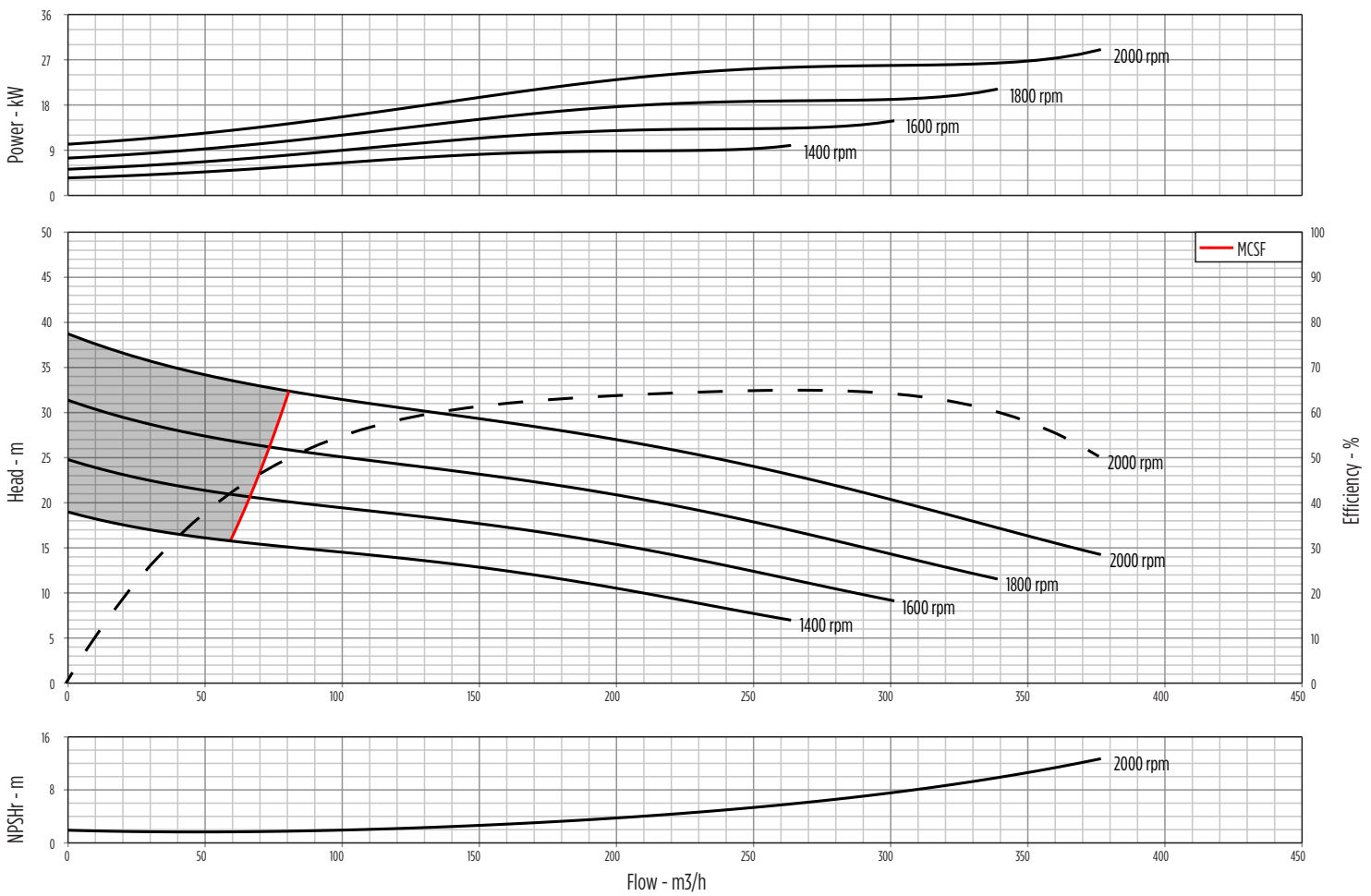
Weight (Dry / Wet): 1370 kg / 1600 kg

## PERFORMANCE CURVE

Model: PP44S10

Impeller Diameter: 9.5"

Solids Size: 3"





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

# 100SH-EVO



## PUMP SPECIFICATIONS

Model	PP64S17
Size	6 x 4" (150 x 100 mm)
Max Flow	540 m <sup>3</sup> /h
Max Head	92 m
Solids Size	3" (76 mm)

## ENGINE SPECIFICATIONS

Engine Type	Perkins 1204J-E44TTA, Diesel
Displacement	4.4 l
Fuel Consumption at BEP	19.6 l/h @ 1800 rpm
Max Running Hours at BEP	36 h @ 1800 rpm
Continuous Power	173 HP (129 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

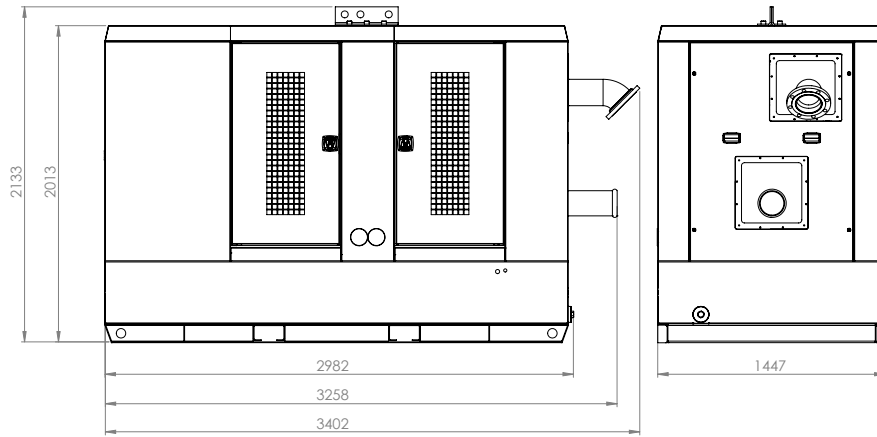
## PACKAGE SPECIFICATIONS

Fuel Tank Capacity	695 l
Control Panel	E400 Auto Stop/Start
Operating Speed (Min. / Max.)	1400 - 1800 rpm
Weight (Dry / Wet)	2940 kg / 3530 kg
Dimensions (L x W x H)	2982 x 1447 x 2103 mm
Enclosure dB(A) Rating	70 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



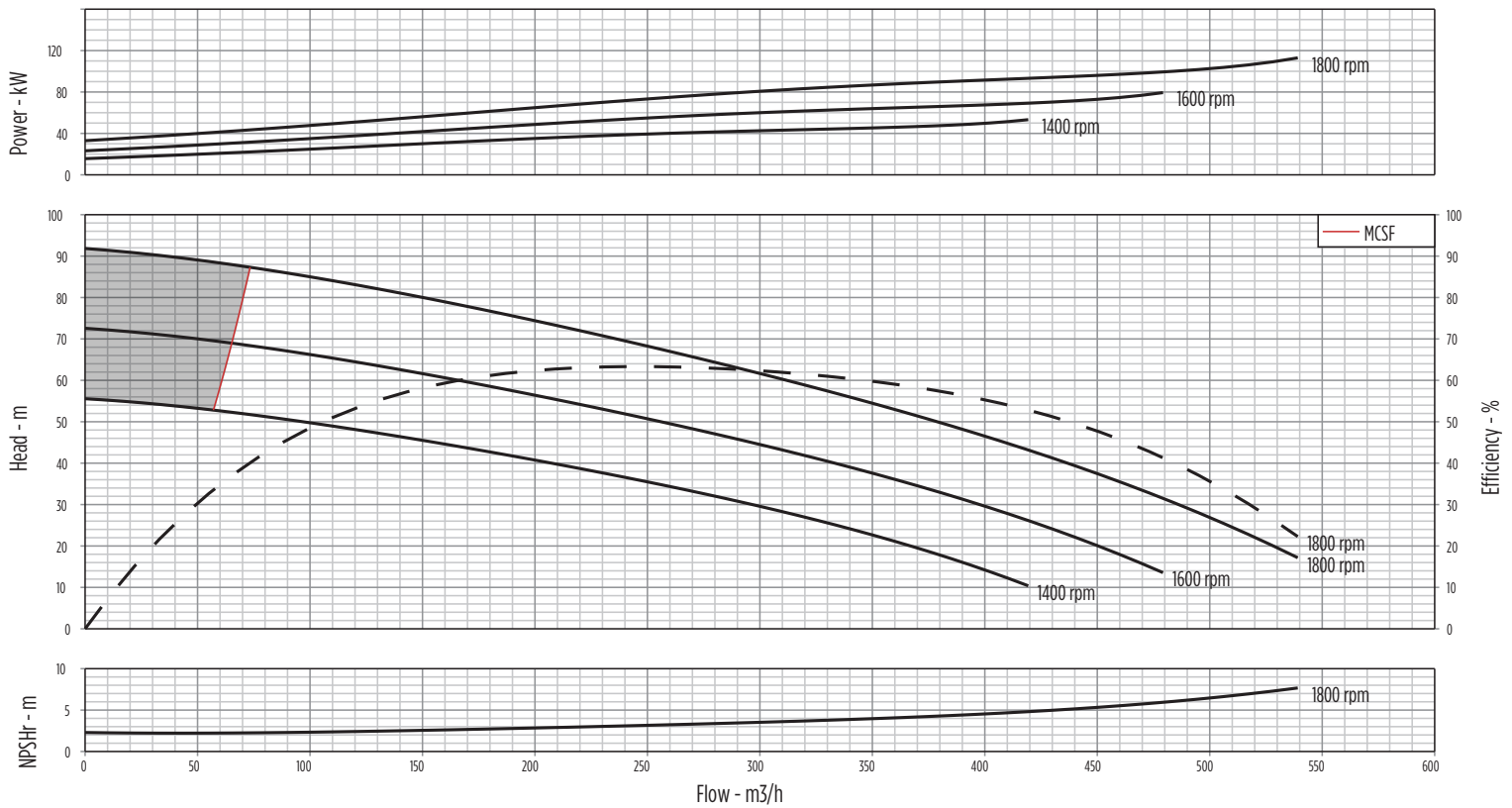
Weight (Dry / Wet): 2940 kg / 3530 kg

## PERFORMANCE CURVE

Model: PP64S17

Impeller Diameter: 15.5"

Solids Size: 3"



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

# 150SL-EVO



## PUMP SPECIFICATIONS

Model	PP66S10
Size	6 x 6" (150 x 150 mm)
Max Flow	520 m <sup>3</sup> /h
Max Head	27 m
Solids Size	3" (76 mm)

## ENGINE SPECIFICATIONS

Engine Type	Perkins 403J-E17T, Diesel
Displacement	1.7 l
Fuel Consumption at BEP	5.6 l/h @ 1800 rpm
Max Running Hours at BEP	36 h @ 1800 rpm
Continuous Power	48 HP (36 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 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
- Quick Connect Suction & Discharge Couplings

## OPTIONS AND ACCESSORIES

Telemetry	Full Control & Remote Monitoring with Alerts
Certified Spark Arrestor Trailers	ATEX Approved EU Approved, Fast Tow or Plant Trailers & Heavy Duty Non-EU Site Tow Trailer
Safety	Air Intake Shutdown Valve
Battery Standby Materials	Solar Panel Trickle Charger Duplex Stainless Steel Available

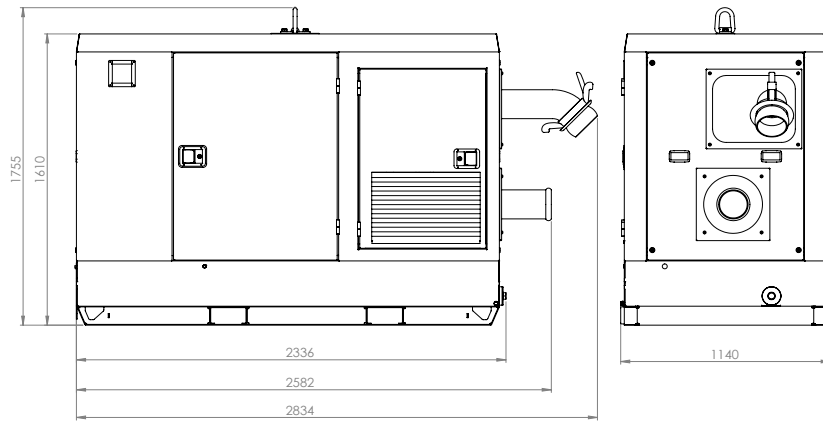
## PACKAGE SPECIFICATIONS

Fuel Tank Capacity	200 l
Control Panel	E400 Auto Stop/Start
Operating Speed (Min. / Max.)	1400 - 1800 rpm
Weight (Dry / Wet)	1530 kg / 1690 kg
Dimensions (L x W x H)	2335 x 1140 x 1610 mm
Enclosure dB(A) Rating	60 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



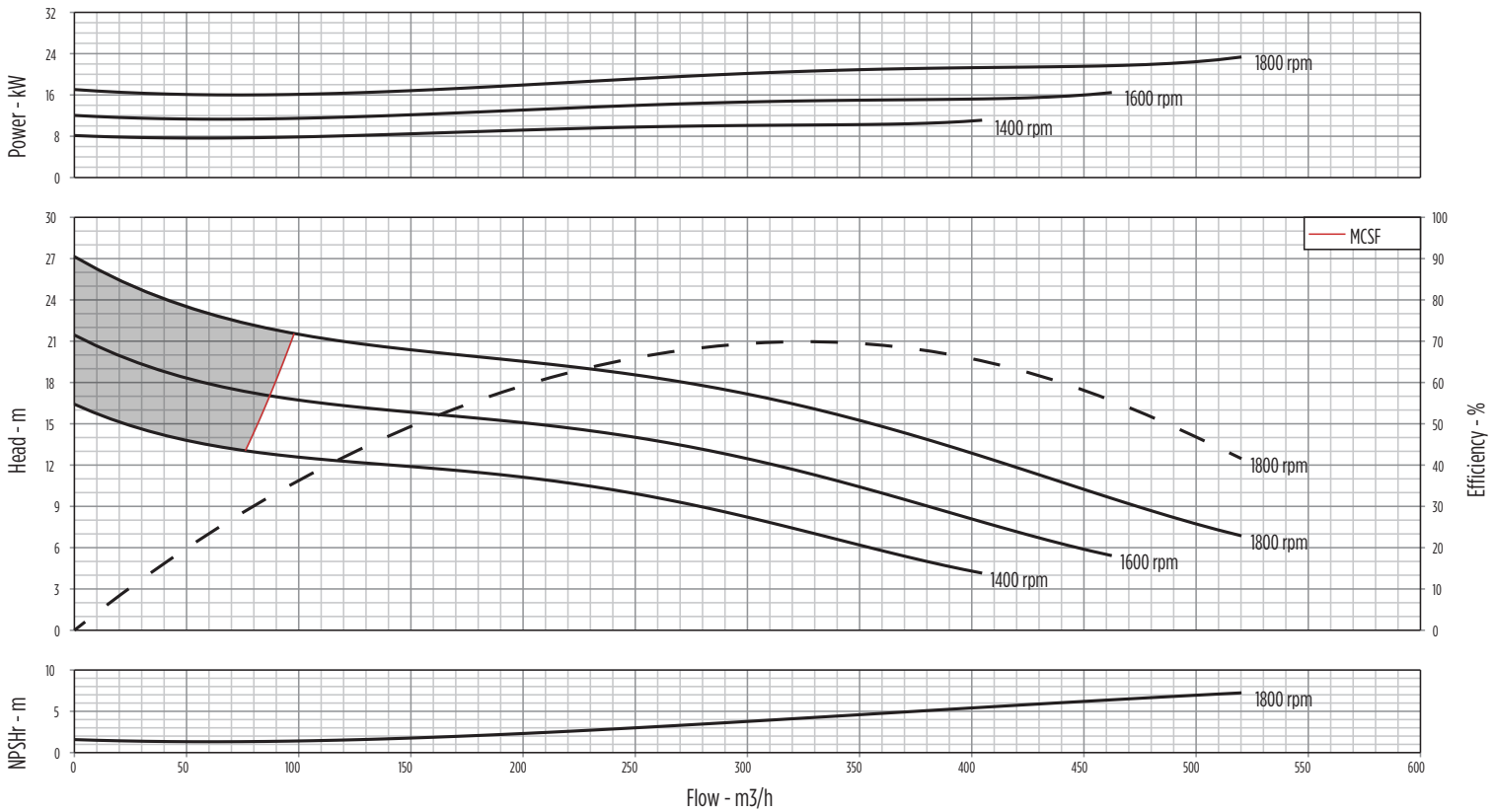
Weight (Dry / Wet): 1530 kg / 1690 kg

## PERFORMANCE CURVE

Model: PP66S10

Impeller Diameter: 9.5"

Solids Size: 3"





**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 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
- 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

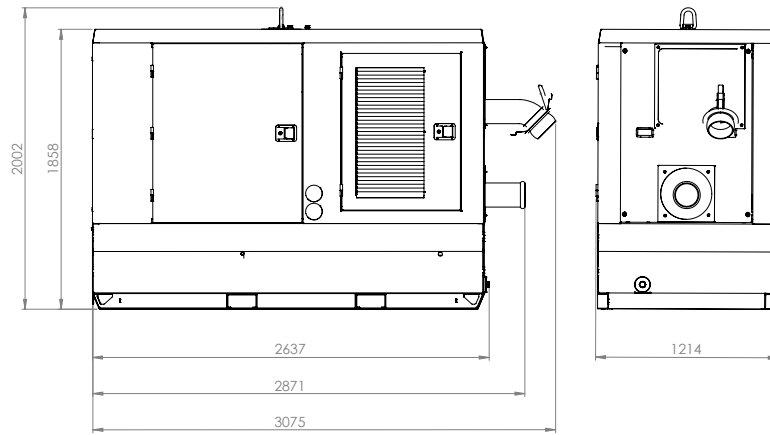
## PACKAGE SPECIFICATIONS

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



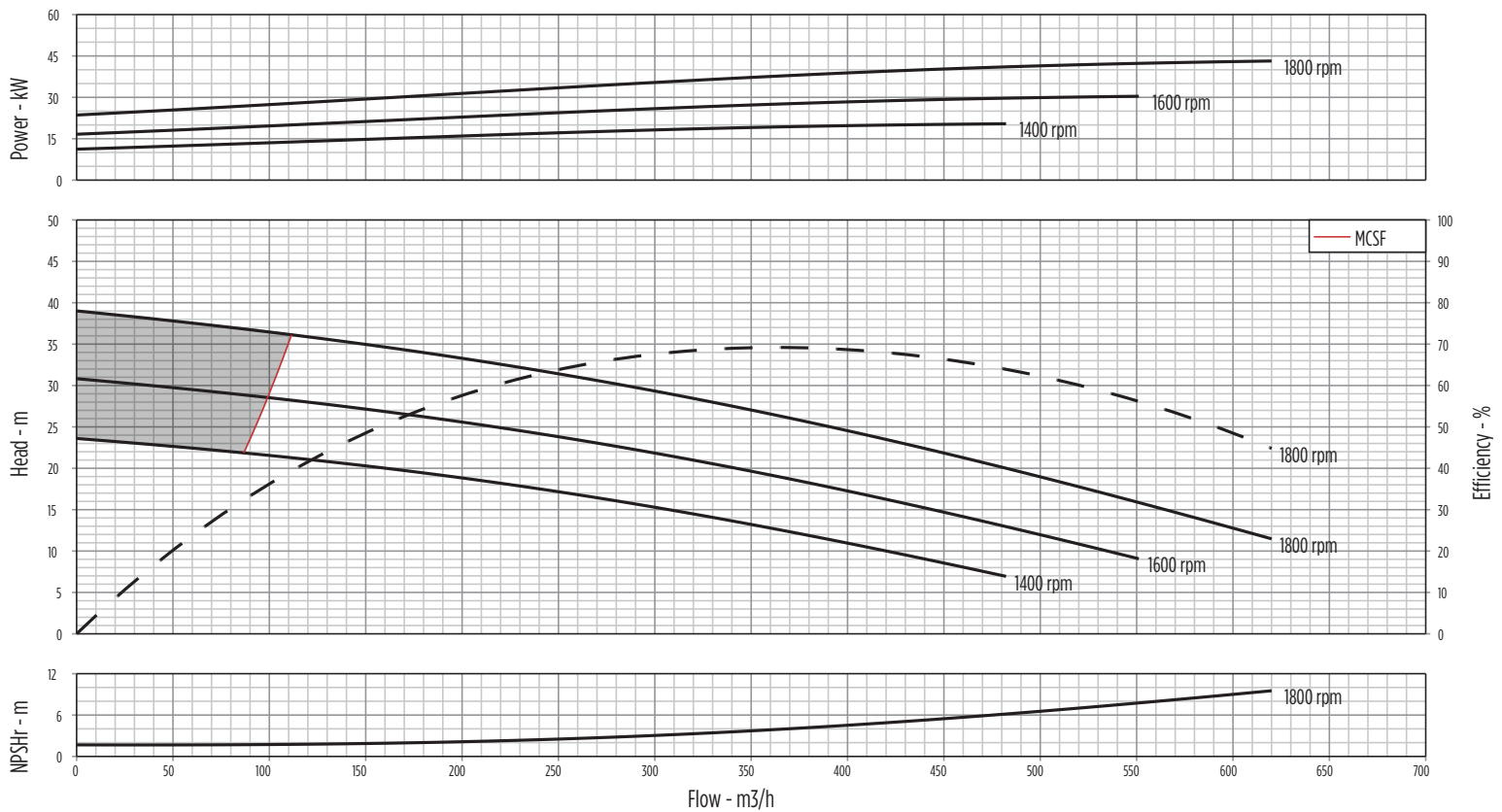
Weight (Dry / Wet): 2070 kg / 2450 kg

## PERFORMANCE CURVE

Model: PP66S11

Impeller Diameter: 11"

Solids Size: 3"



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

# 150SMS-EVO



## PUMP SPECIFICATIONS

Model	PP66S14
Size	6 x 6" (150 x 150 mm)
Max Flow	740 m <sup>3</sup> /h
Max Head	75 m
Solids Size	3" (76 mm)

## ENGINE SPECIFICATIONS

Engine Type	Perkins 1204J-E44TTA, Diesel
Displacement	4.4 l
Fuel Consumption at BEP	24 l/h @ 1900 rpm
Max Running Hours at BEP	29 h @ 1900 rpm
Continuous Power	173 HP (129 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

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

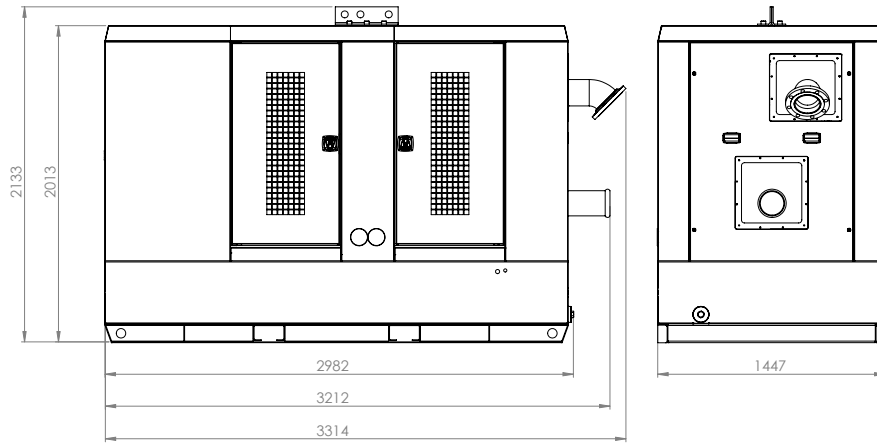
## PACKAGE SPECIFICATIONS

Fuel Tank Capacity	695 l
Control Panel	E400 Auto Stop/Start
Operating Speed (Min. / Max.)	1400 - 1900 rpm
Weight (Dry / Wet)	2850 kg / 3450 kg
Dimensions (L x W x H)	2982 x 1447 x 2103 mm
Enclosure dB(A) Rating	70 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



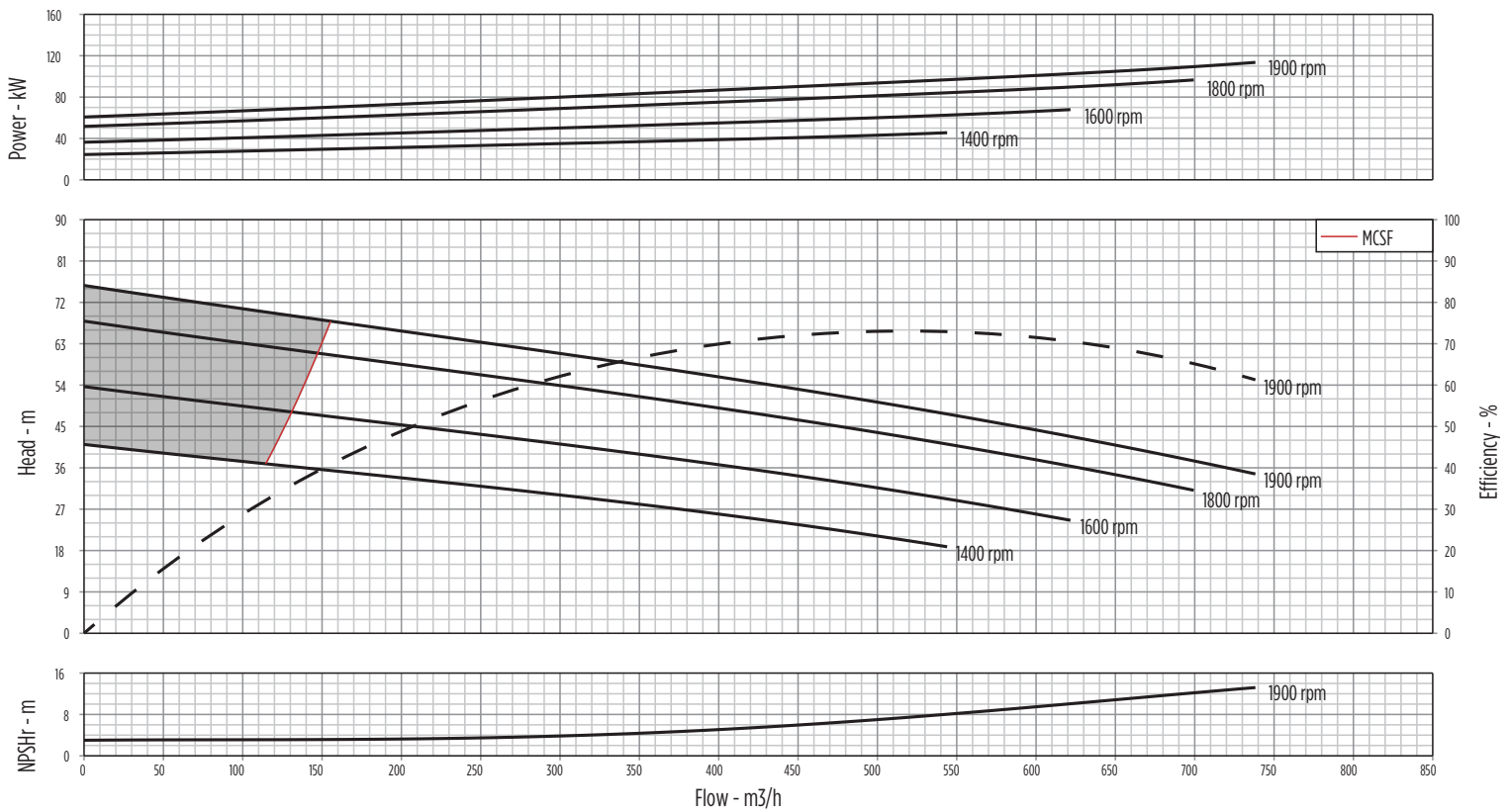
Weight (Dry / Wet): 2850 kg / 3450 kg

## PERFORMANCE CURVE

Model: PP66S14

Impeller Diameter: 14"

Solids Size: 3"







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

# 150SH-EVO

## PUMP SPECIFICATIONS

Model	PP86S17
Size	8 x 6" (200 x 150 mm)
Max Flow	1060 m <sup>3</sup> /h
Max Head	107 m
Solids Size	3" (76 mm)

## ENGINE SPECIFICATIONS

Engine Type	Scania DC09, Diesel
Displacement	9.3 l
Fuel Consumption at BEP	39 l/h @ 1800 rpm
Max Running Hours at BEP	19 h @ 1800 rpm
Continuous Power	311 HP (232 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 Trailers	ATEX Approved 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

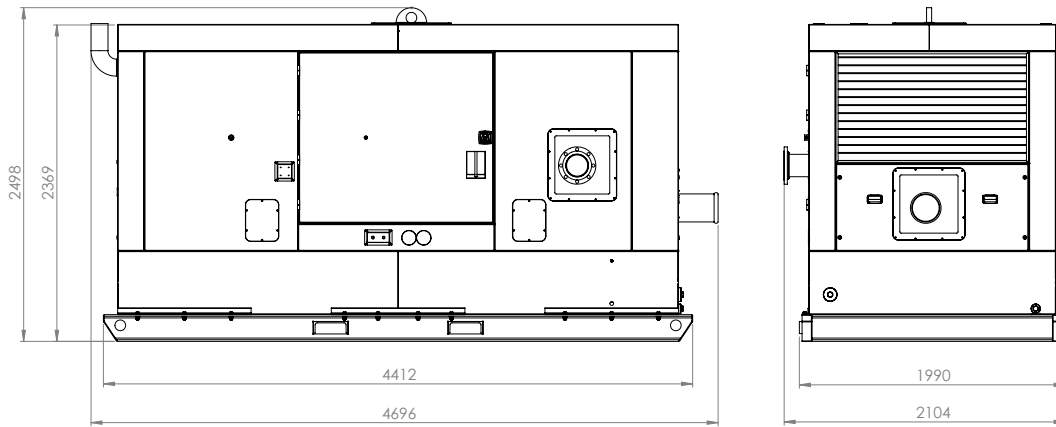
## PACKAGE SPECIFICATIONS

Fuel Tank Capacity	765 l
Control Panel	E400 Auto Stop/Start
Operating Speed (Min. / Max.)	1400 - 1800 rpm
Weight (Dry / Wet)	6325 kg / 6940 kg
Dimensions (L x W x H)	4420 x 1960 x 2570 mm
Enclosure dB(A) Rating	65 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



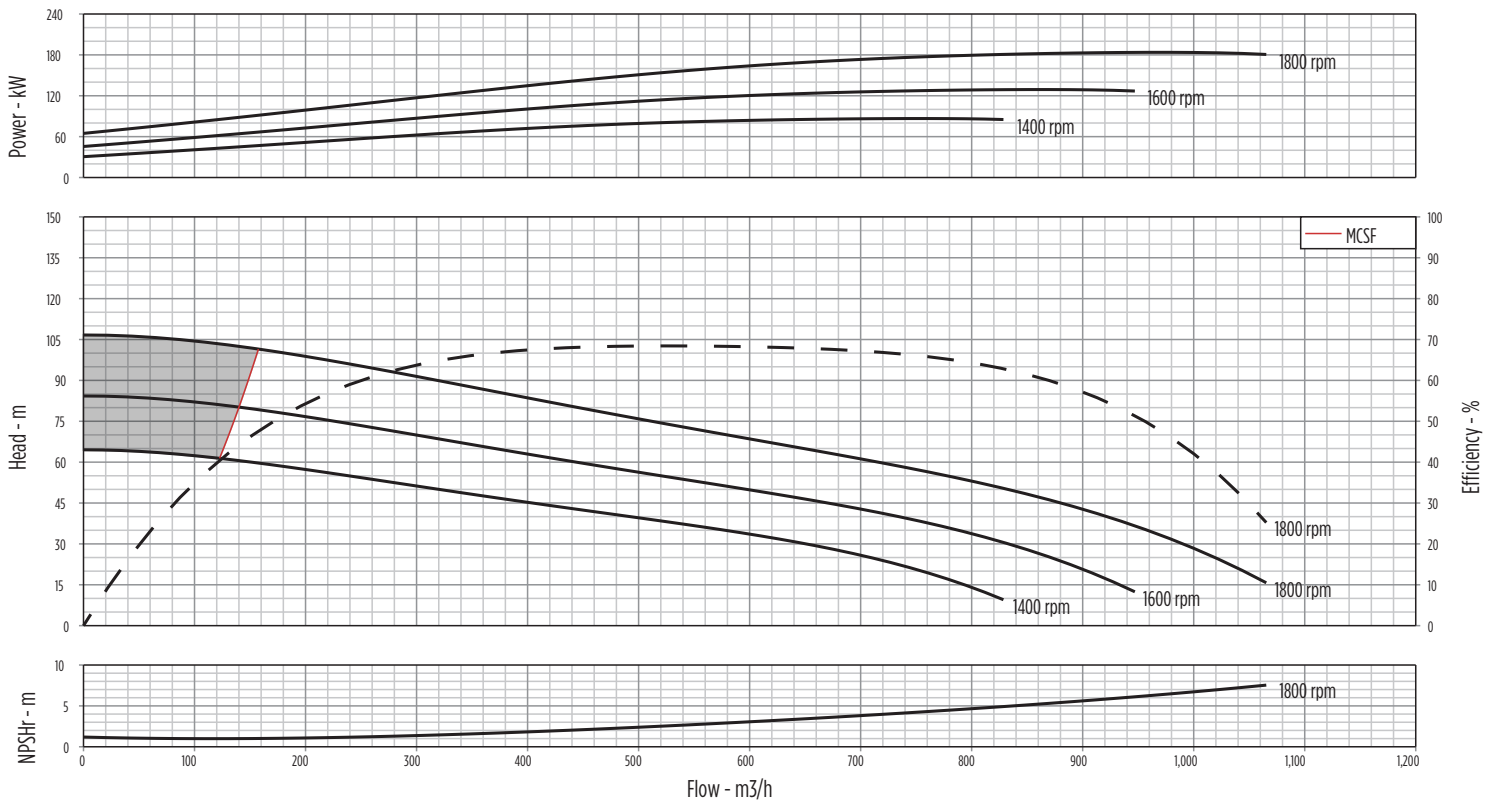
Weight (Dry / Wet): 6325 kg / 6940 kg

## PERFORMANCE CURVE

Model: PP86C17

Impeller Diameter: 17"

Solids Size: 3"



**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 <sup>3</sup> /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

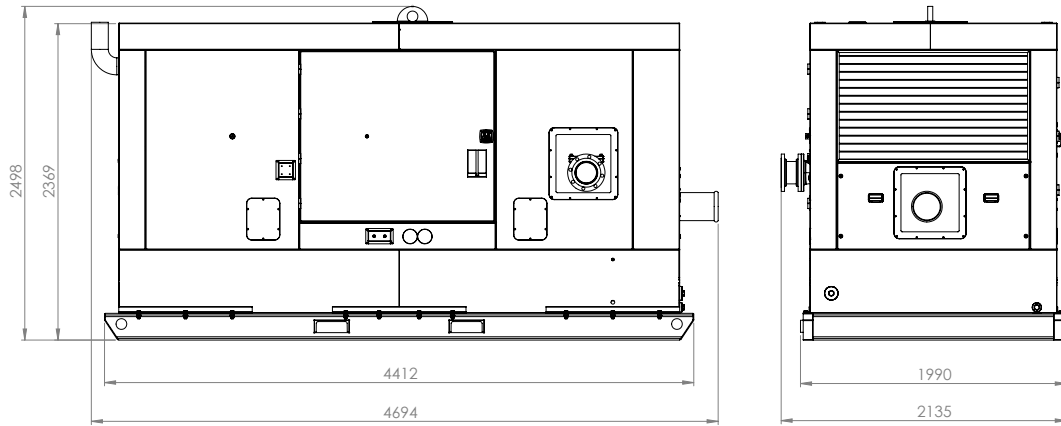
## PACKAGE SPECIFICATIONS

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



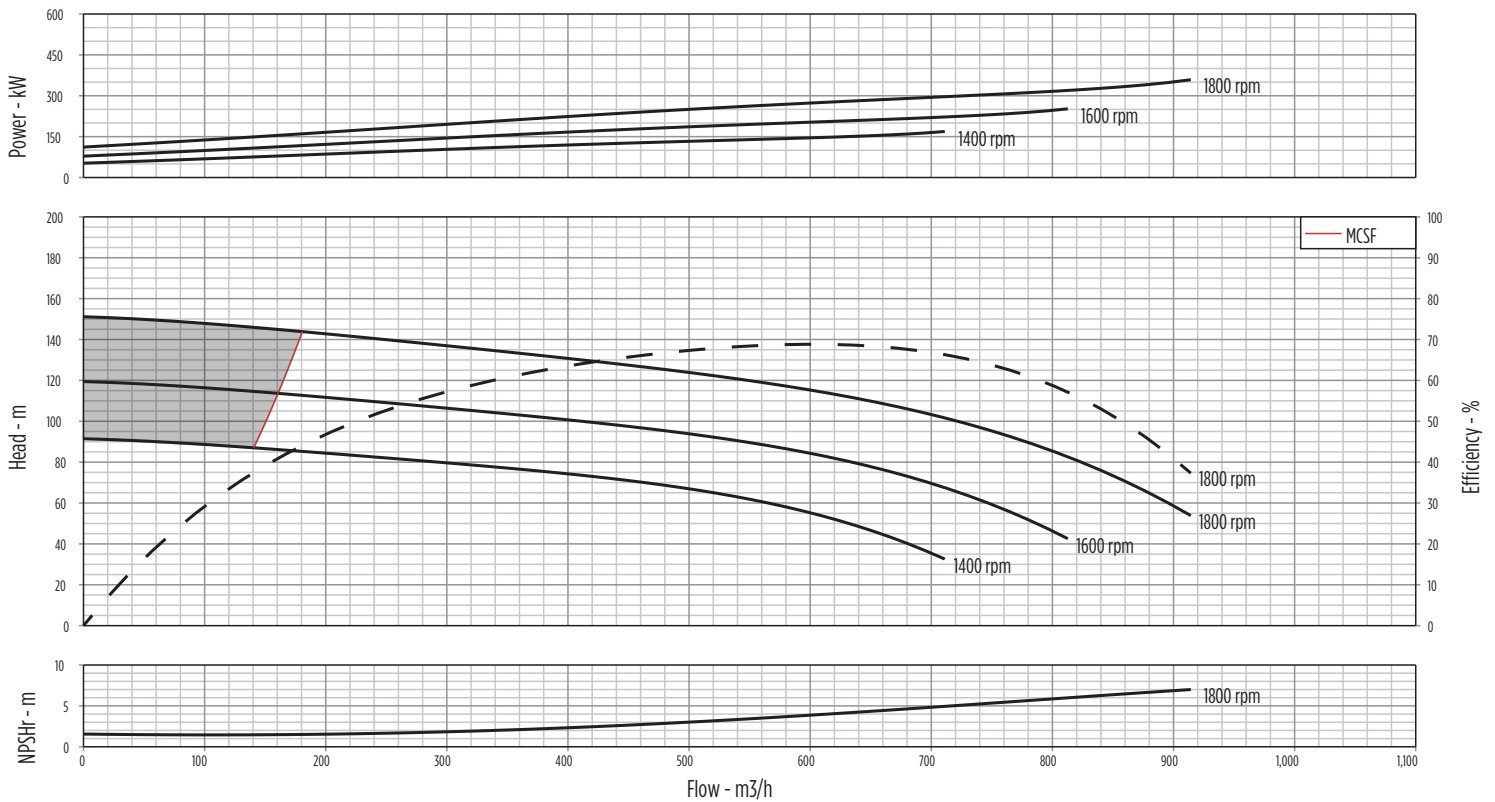
Weight (Dry / Wet): 6765 kg / 7400 kg

## PERFORMANCE CURVE

Model: PP86S20

Impeller Diameter: 20"

Solids Size: 3"





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

# 200SLC-EVO



## PUMP SPECIFICATIONS

Model	PP88S12
Size	8 x 8" (200 x 200 mm)
Max Flow	910 m <sup>3</sup> /h
Max Head	36 m
Solids Size	3" (76 mm)

## ENGINE SPECIFICATIONS

Engine Type	Perkins 404J-E22TA, Diesel
Displacement	2.2 l
Fuel Consumption at BEP	11.2 l/h @ 1800 rpm
Max Running Hours at BEP	38 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; 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 Trailers	ATEX Approved EU Approved, Fast Tow or Plant Trailers & Heavy Duty Non-EU Site Tow Trailer
Safety	Air Intake Shutdown Valve
Battery Standby Materials	Solar Panel Trickle Charger Duplex Stainless Steel Available

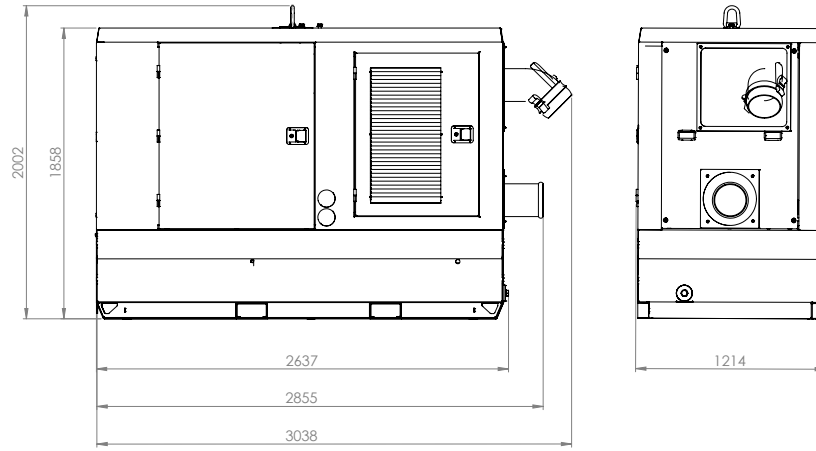
## PACKAGE SPECIFICATIONS

Fuel Tank Capacity	430 l
Control Panel	E400 Auto Stop/Start
Operating Speed (Min. / Max.)	1400 - 1800 rpm
Weight (Dry / Wet)	2130 kg / 2500 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



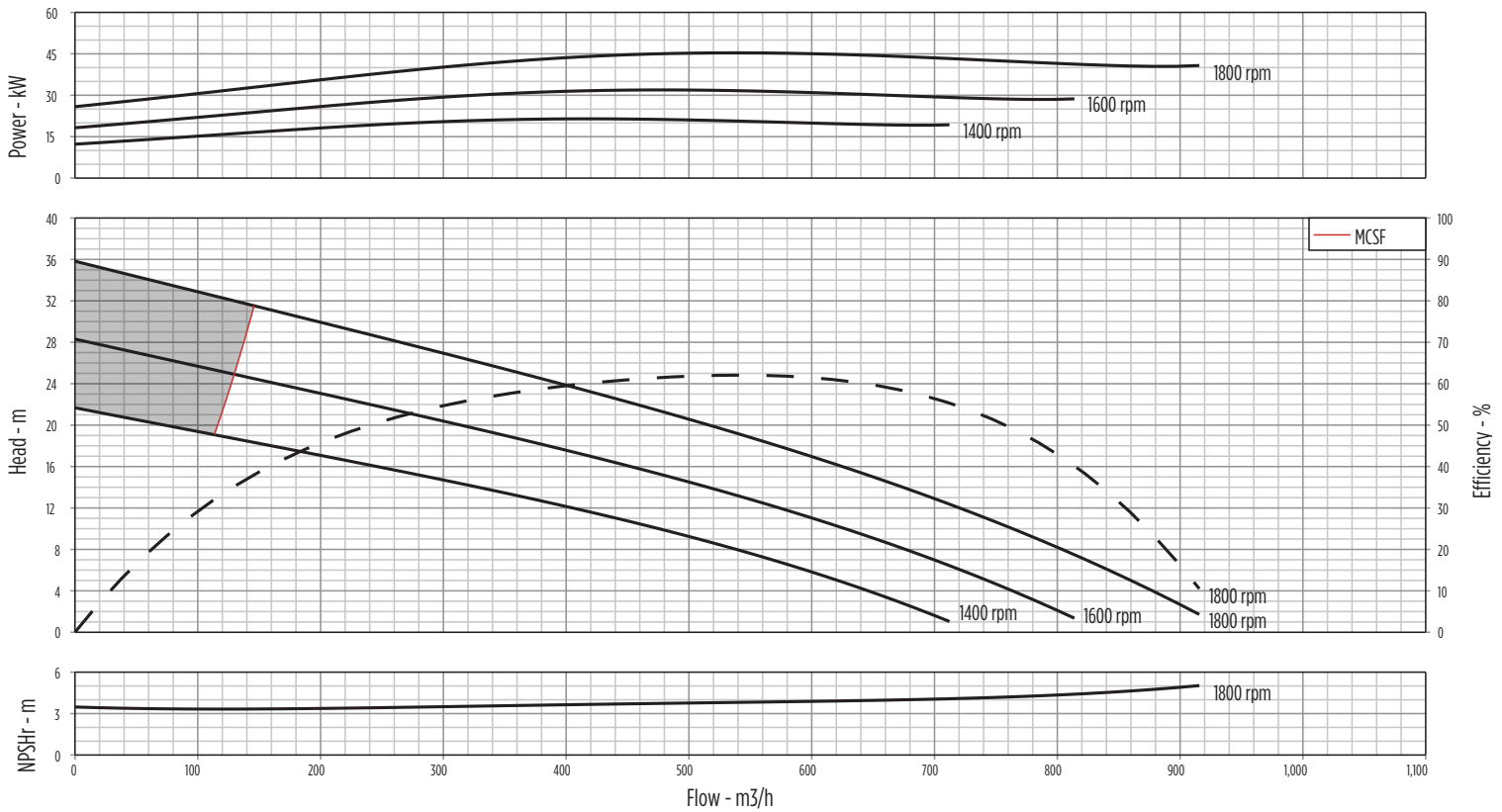
Weight (Dry / Wet): 2130 kg / 2500 kg

## PERFORMANCE CURVE

Model: PP88S12

Impeller Diameter: 11.79"

Solids Size: 3"



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

# 200SM-EVO



## PUMP SPECIFICATIONS

Model	PP88S12
Size	8 x 8" (200 x 200 mm)
Max Flow	1080 m <sup>3</sup> /h
Max Head	58 m
Solids Size	3" (76 mm)

## ENGINE SPECIFICATIONS

Engine Type	Perkins 904J-E36TA Diesel
Displacement	3.6 l
Fuel Consumption at BEP	20.5 l/h @ 2000 rpm
Max Running Hours at BEP	34 h @ 2000 rpm
Continuous Power	121 HP (90 kW) @ 2000 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; 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 Trailers	ATEX Approved EU Approved, Fast Tow or Plant Trailers & Heavy Duty Non-EU Site Tow Trailer
Safety	Air Intake Shutdown Valve
Battery Standby Materials	Solar Panel Trickle Charger Duplex Stainless Steel Available

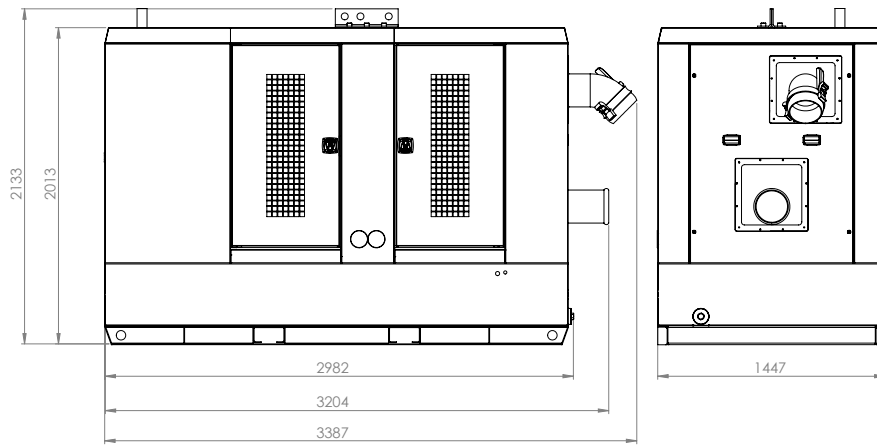
## PACKAGE SPECIFICATIONS

Fuel Tank Capacity	695 l
Control Panel	E400 Auto Stop/Start
Operating Speed (Min. / Max.)	1400 - 2000 rpm
Weight (Dry / Wet)	3020 kg / 3600 kg
Dimensions (L x W x H)	2982 x 1447 x 2103 mm
Enclosure dB(A) Rating	70 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



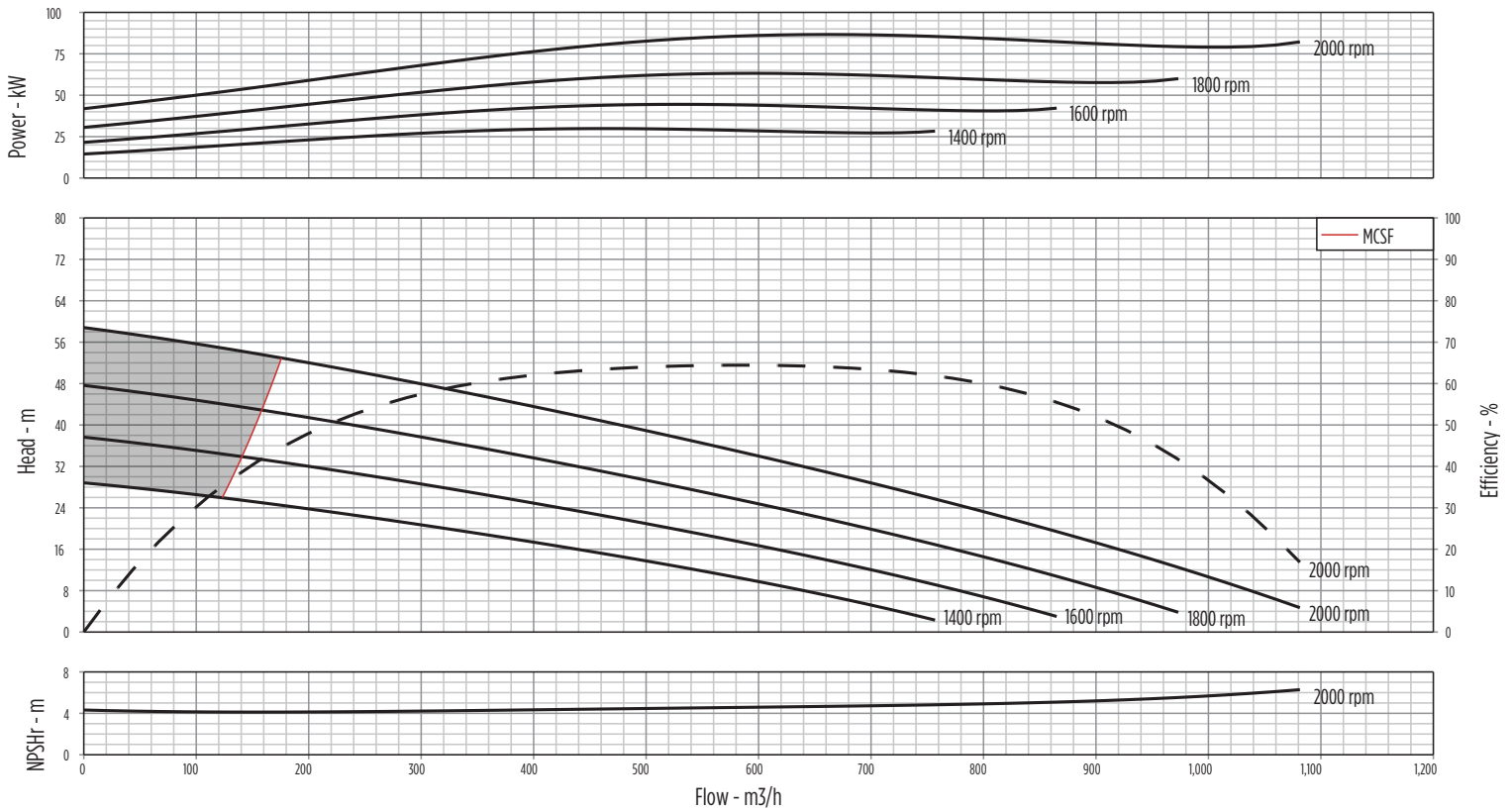
Weight (Dry / Wet): 3020 kg / 3600 kg

## PERFORMANCE CURVE

Model: PP88S12

Impeller Diameter: 12.25"

Solids Size: 3"





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

# 200SX-EVO



## PUMP SPECIFICATIONS

Model	PP128S22
Size	12 x 8" (300 x 200 mm)
Max Flow	1900 m <sup>3</sup> /h
Max Head	112 m
Solids Size	3" (76 mm)

## ENGINE SPECIFICATIONS

Engine Type	Scania DC13, Diesel
Displacement	12.7 l
Fuel Consumption at BEP	77.5 l/h @ 1650 rpm
Max Running Hours at BEP	10 h @ 1650 rpm
Continuous Power	543 HP (405 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

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

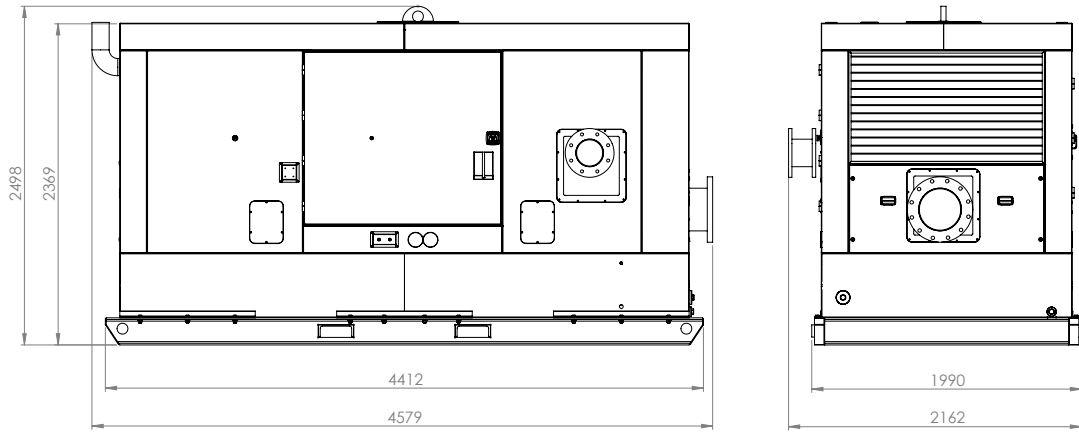
## PACKAGE SPECIFICATIONS

Fuel Tank Capacity	765 l
Control Panel	E400 Auto Stop/Start
Operating Speed (Min. / Max.)	1400 - 1650 rpm
Weight (Dry / Wet)	6900 kg / 7500 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



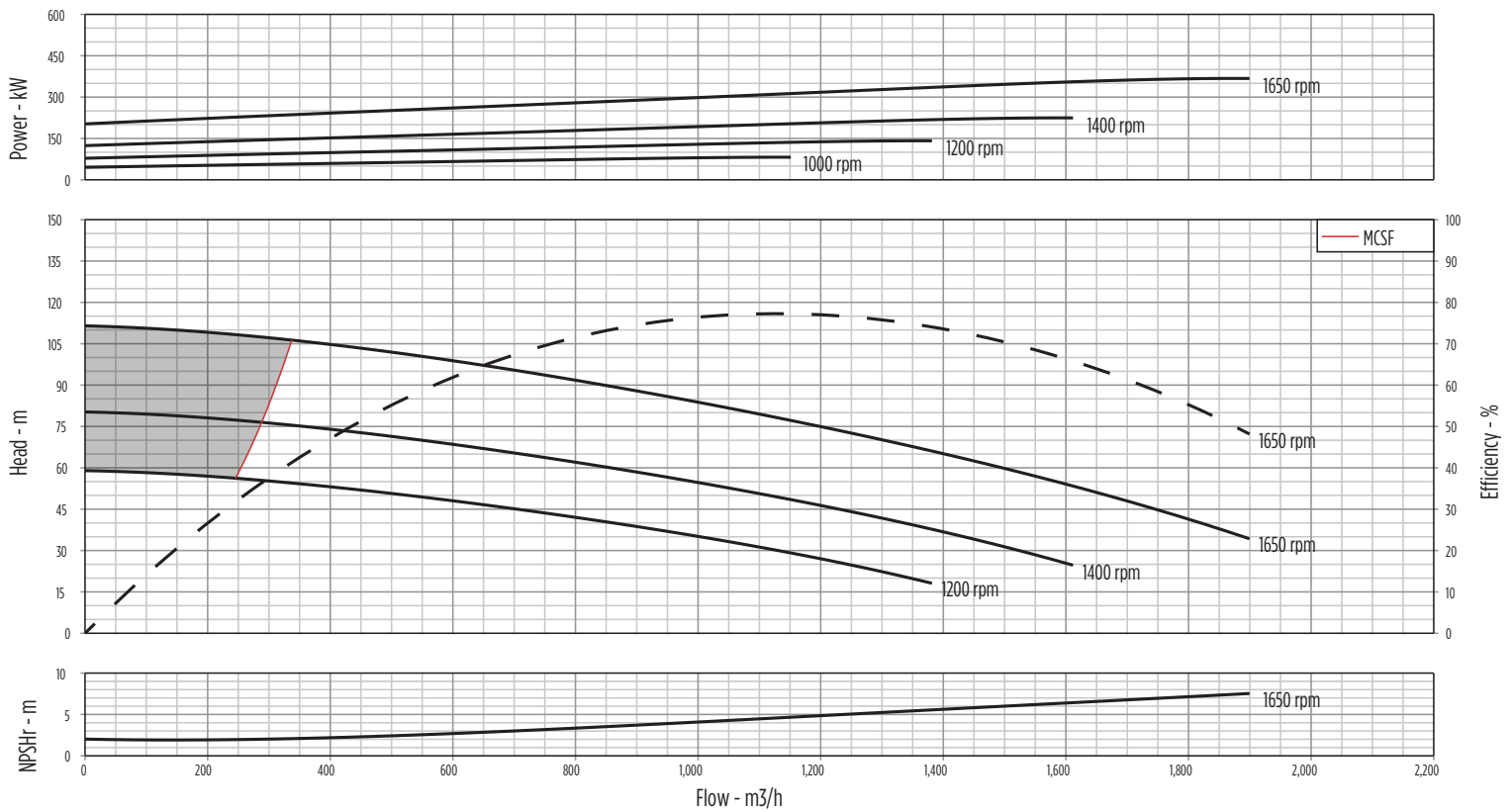
Weight (Dry / Wet): 6900 kg / 7500 kg

## PERFORMANCE CURVE

Model: PP128S22

Impeller Diameter: 19.5"

Solids Size: 3"



**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

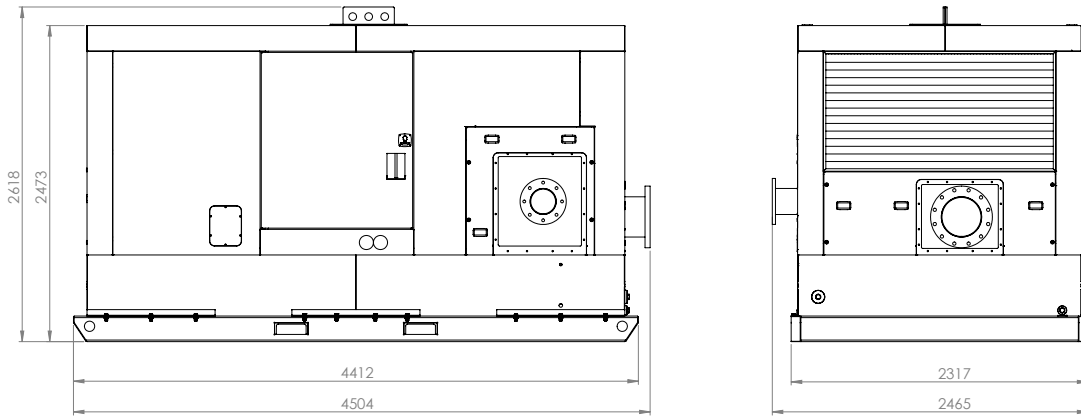
## PACKAGE SPECIFICATIONS

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



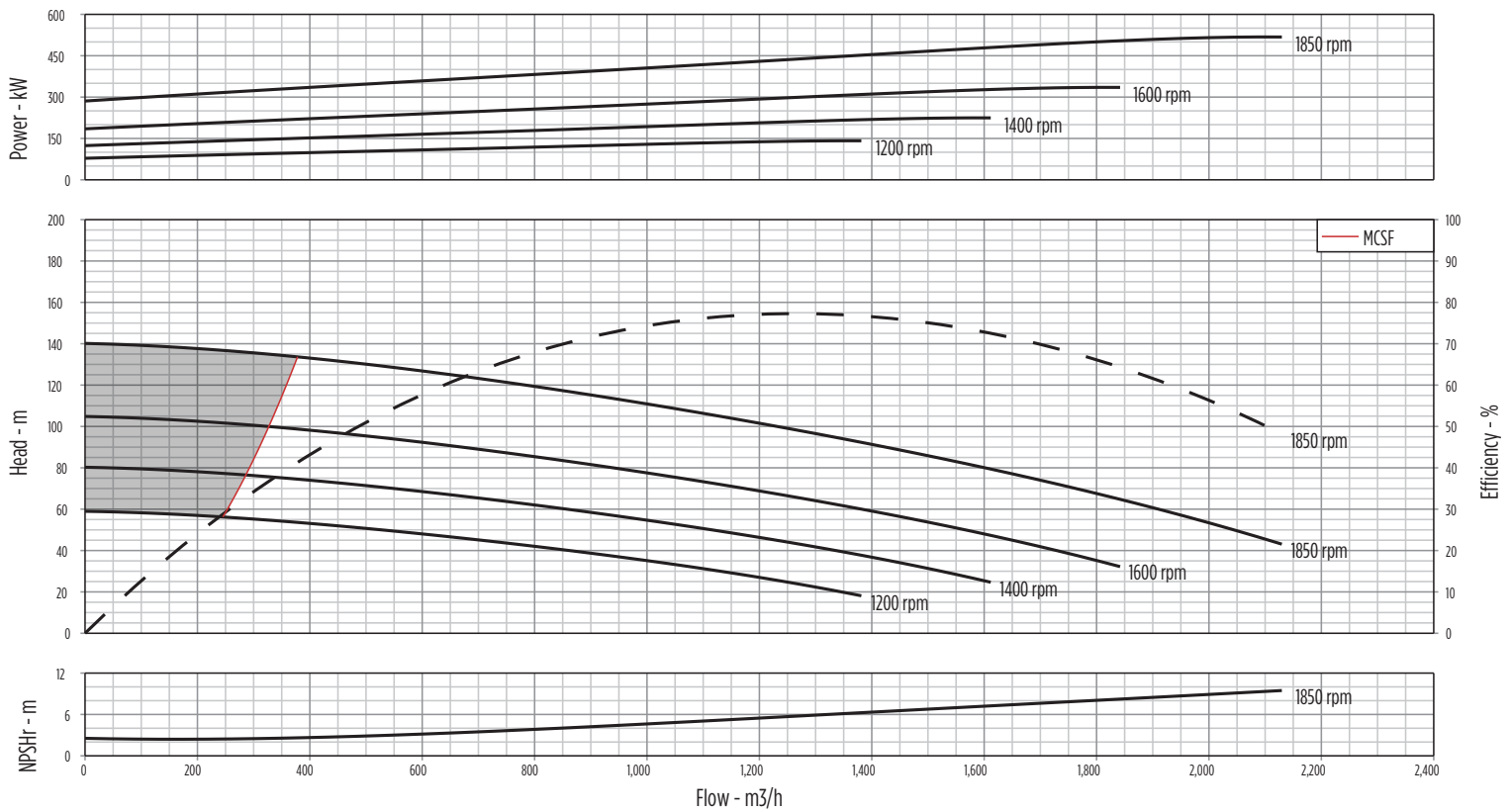
Weight (Dry / Wet): 7500 kg / 8165 kg

## PERFORMANCE CURVE

Model: PP128S22

Impeller Diameter: 19.5"

Solids Size: 3"





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

# 250SH-EVO



## PUMP SPECIFICATIONS

Model	PP108S17
Size	10 x 8" (250 x 200 mm)
Max Flow	1600 m <sup>3</sup> /h
Max Head	93 m
Solids Size	3.5" (89 mm)

## ENGINE SPECIFICATIONS

Engine Type	Scania DC09, Diesel
Displacement	9.3 l
Fuel Consumption at BEP	54 l/h @ 1800 rpm
Max Running Hours at BEP	14 h @ 1800 rpm
Continuous Power	311 HP (232 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

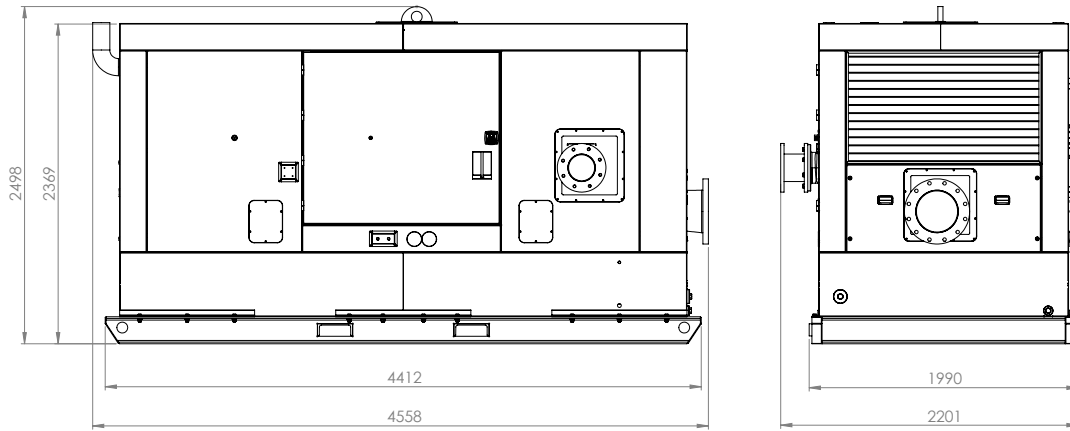
## PACKAGE SPECIFICATIONS

Fuel Tank Capacity	765 l
Control Panel	E400 Auto Stop/Start
Operating Speed (Min. / Max.)	1400 - 1800 rpm
Weight (Dry / Wet)	6325 kg / 6940 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



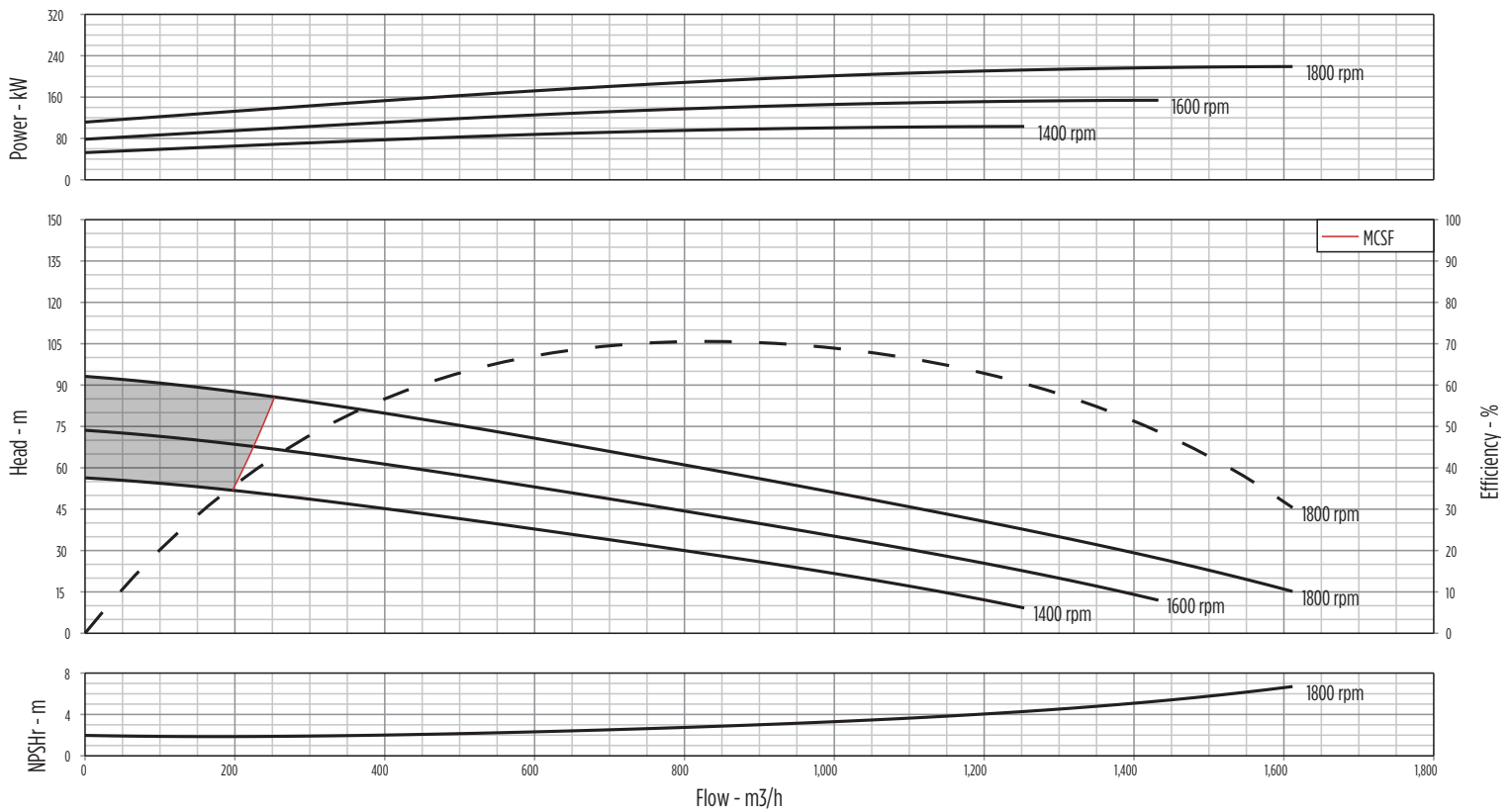
Weight (Dry / Wet): 6325 kg / 6940 kg

## PERFORMANCE CURVE

Model: PP108S17

Impeller Diameter: 16.5"

Solids Size: 3.5"



**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 <sup>3</sup> /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

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

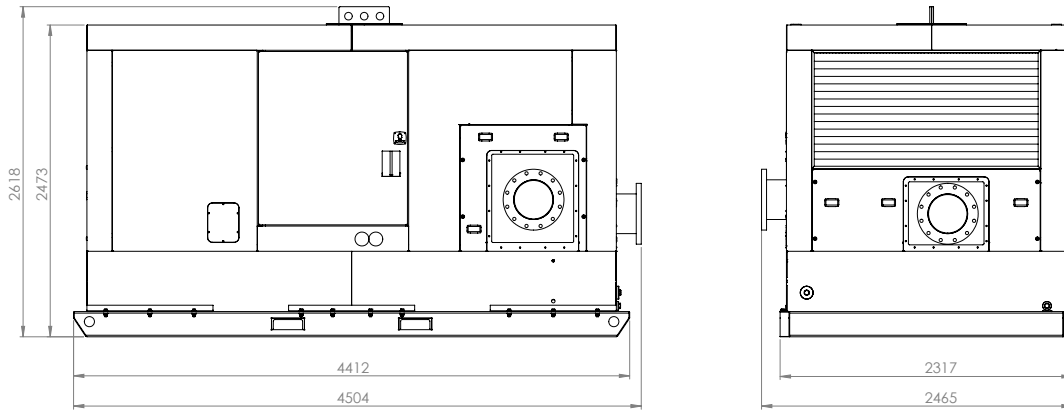
## PACKAGE SPECIFICATIONS

Fuel Tank Capacity	765 l
Control Panel	E400 Auto Stop/Start
Operating Speed (Min. / Max.)	1400 - 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



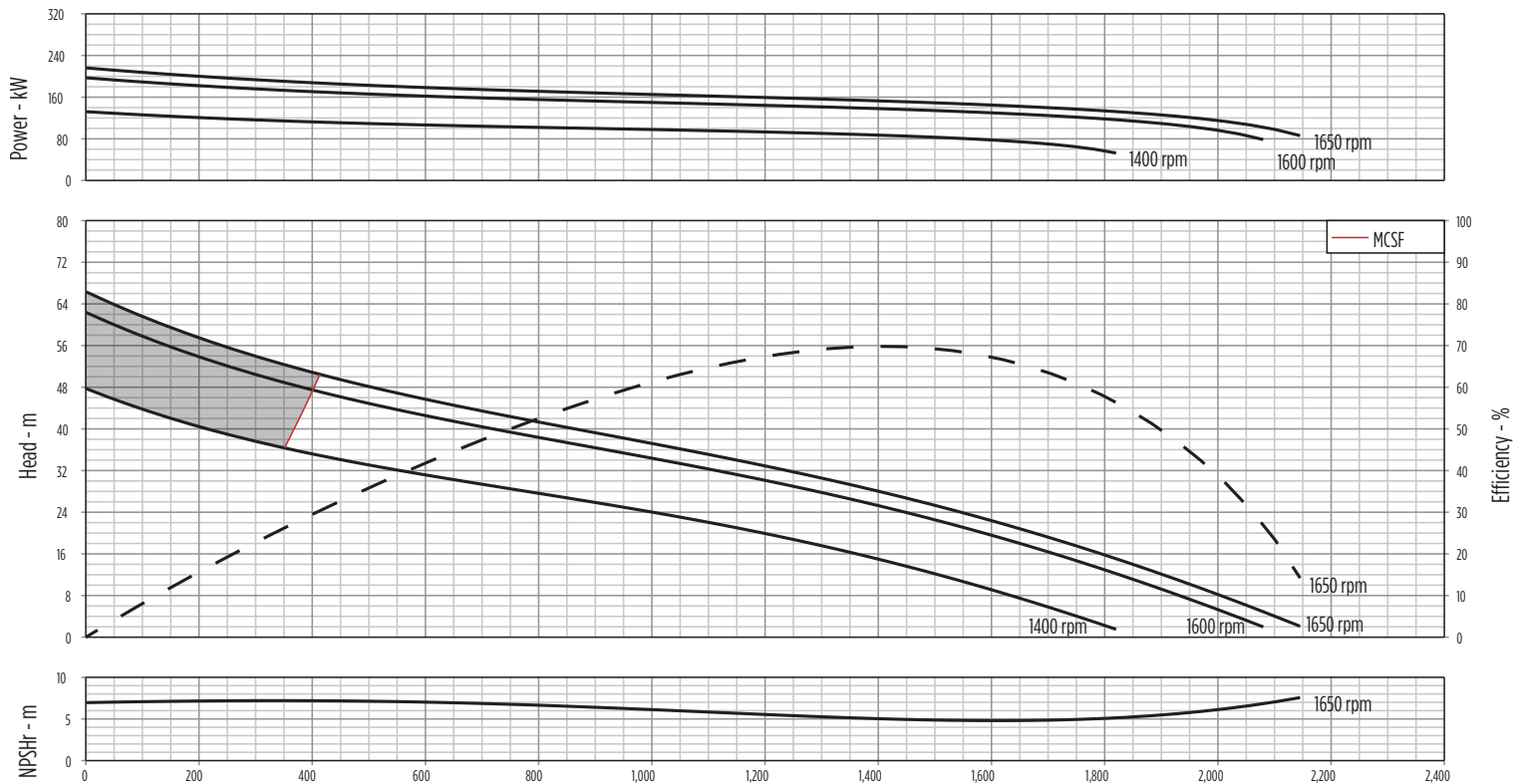
Weight (Dry / Wet): 7500 kg / 7900 kg

## PERFORMANCE CURVE

Model: PP1212S17

Impeller Diameter: 16.5"

Solids Size: 3.75"





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

# 300SH-EVO



## PUMP SPECIFICATIONS

Model	PP1212S17
Size	12 x 12" (300 x 300 mm)
Max Flow	2400 m <sup>3</sup> /h
Max Head	91 m
Solids Size	3.75" (95 mm)

## ENGINE SPECIFICATIONS

Engine Type	Scania DC13, Diesel
Displacement	12.7 l
Fuel Consumption at BEP	85 l/h @ 1800 rpm
Max Running Hours at BEP	9 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

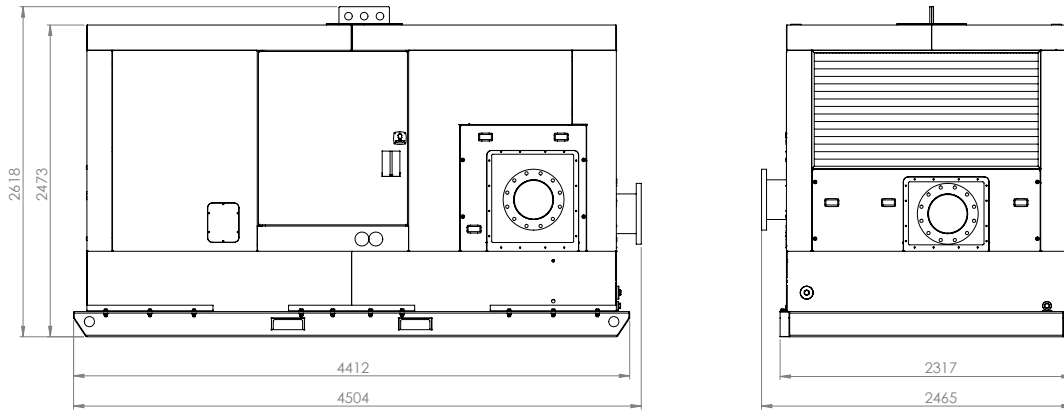
## PACKAGE SPECIFICATIONS

Fuel Tank Capacity	765 l
Control Panel	E400 Auto Stop/Start
Operating Speed (Min. / Max.)	1400 - 1800 rpm
Weight (Dry / Wet)	7600 kg / 8200 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): 7600 kg / 8200 kg

## PERFORMANCE CURVE

Model: PP1212S17

Impeller Diameter: 17.25"

Solids Size: 3.75"

