



UP SERIES

DIESEL PUMP PACKAGES



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PP44S10L71-404D-22T.....	4
PP44S10L71-D2.9L.....	6
PP66S12L71-TD2.9L.....	8
PP66S12-1104-44T.....	10
PP66S12L71-4045TF290.....	12
PP88S12L71-4045HF285.....	14

For the most up-to-date product information, visit pioneerpump.com.

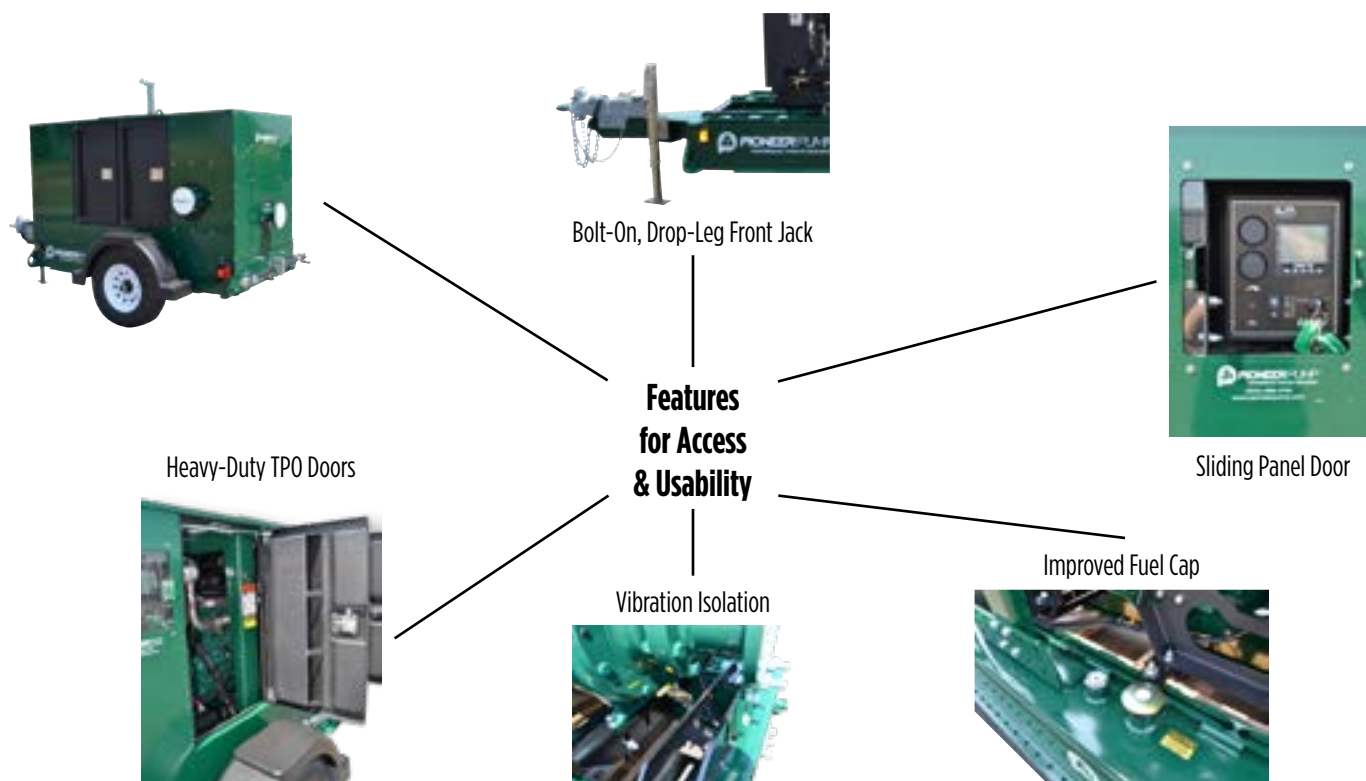
UP SERIES DIESEL PACKAGES

The UP Series of diesel package pumps is a platform based on standard package sizes that can be configured with various engines, pumps, trailer option and enclosure options. Designed for maximum configurability, the UP series options can be included in the original product order or added as needed at a later date. The enclosure is designed to be easily removed, making easy access to the entire assembly, reducing service time.



DESIGNED FOR LONG LIFE

- Aluminum enclosure
- Durable plastic door
- Vibration Isolation

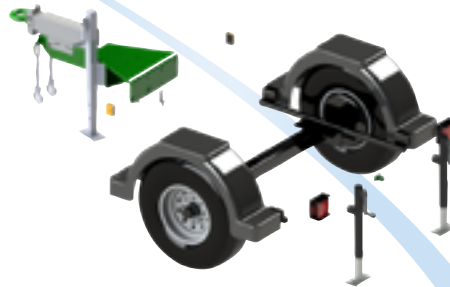




Designed for Versatility

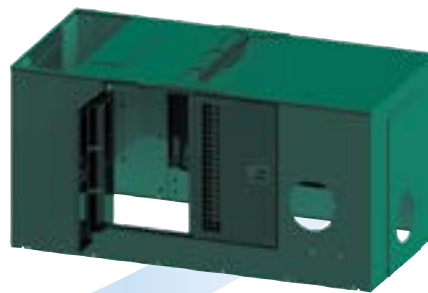
A good diesel pump package will provide many years of service. As applications needs change, the UP Series package design allows for the addition of kits so that the package configuration can be updated to meet current needs.

Add a trailer kit to the skid as needs change over time. Choose from on-road or off-road kits with a variety of options and accessories.



ACCESSORIES

- Tongue-mounted toolbox
- Tongue-mounted spare tire
- Internal and external lighting
- Skid fork tubes
- Battery trickle charger
- Aluminum doors
- Engine block heater
- Canopy (open units)
- Hose rack
- Telemetry
- Corner jacks
- Camlock fittings
- Pressure gauges



Add an enclosure to an open unit for weather protection or sound attenuation. The enclosure is easily removed to increase access and reduce service time.

Pioneer Prime Diesel-Driven Centrifugal Pump

PP44S10L71-404D-22T

PUMP SPECIFICATIONS

Vacuum Assisted; Optional Sound Attenuated Enclosure

Size	4" x 4" (100 x 100 mm)
Max Flow	1,600 usgpm (370 m ³ /h)
Max Head	150 feet (50 meters)
Solids Size	3" (76 mm)

ENGINE SPECIFICATIONS

Engine Type	Perkins 404D-22T, 4-Cylinder Diesel, Interim Tier 4
Displacement	135 Cu. In. (2.2 L)
Fuel Tank, Typical	110 US Gal (416.4 L)
Fuel Consumption @ 1800 RPM	2.6 GPH (9.8 L/H) (Full Load)
Continuous HP	41 HP @ 1800 RPM
Operating Time	41 hours
Safety Shut Down Switches	Low Oil Pressure, High Temperature, and V-Belt Failure
Instrument Panel	Oil Pressure Gauge, Ampmeter, Hourmeter, and Tachometer

ULTRAPRIME™ PRIMING SYSTEM

Priming System	Mech. driven diaphragm-style vacuum pump
Air Removal Capability	50 CFM
Priming Chamber	Positive sealing air separation PosiValve™ w/SS float ball & linkage
Discharge Check Valve	Swing style; ductile iron w/nitrile disc
Run Dry System	Oil-lubricated mech. seal allows pump to run completely dry w/o damage



FEATURES

- Indefinite Run-Dry Capability
- Extreme Flow Technology
- Environmentally Safe Priming System with Patented PosiValve™ - No Blow By
- Auto Start Controls
- Sound Attenuated Canopy Model - 68 dBa @ 7 meters

OPTIONS & ACCESSORIES

Trailers

- Off-Road Trailer (No fenders or lights, No VIN)
- On-Road Trailer – Surge Brakes (DOT ready, VIN)
- On-Road Trailer – Electric Brakes (DOT ready, VIN)

Enclosures

- Premium Sound Attenuated Canopy Kit

Control Panel

- Lofa 750

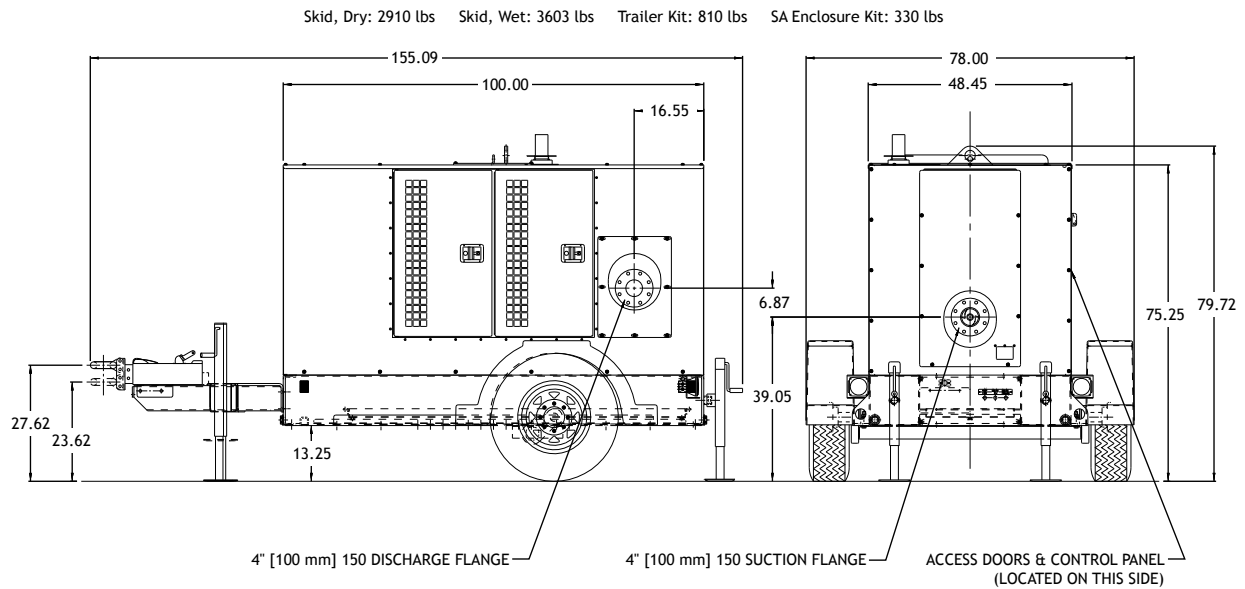
Accessories

- Interior Lights
- Skid Tubes
- Solar Charger
- Spare Tire Carrier
- Toolbox

MATERIALS OF CONSTRUCTION

Material	Standard Construction	Optional Constructions
Impeller	CA6NM SS	CD4Mcu
Shaft	17-4 PH	17-4 PH
Wear Ring	Gray Iron	316 SS
Suction Cover	Ductile Iron	CD4Mcu
Volute	Ductile Iron	CD4Mcu
Brac-Plate/Bracket	Ductile Iron	CD4Mcu

MECHANICAL DIMENSIONS



Package shown with optional sound attenuated enclosure. External dimensions are the same for open packages.

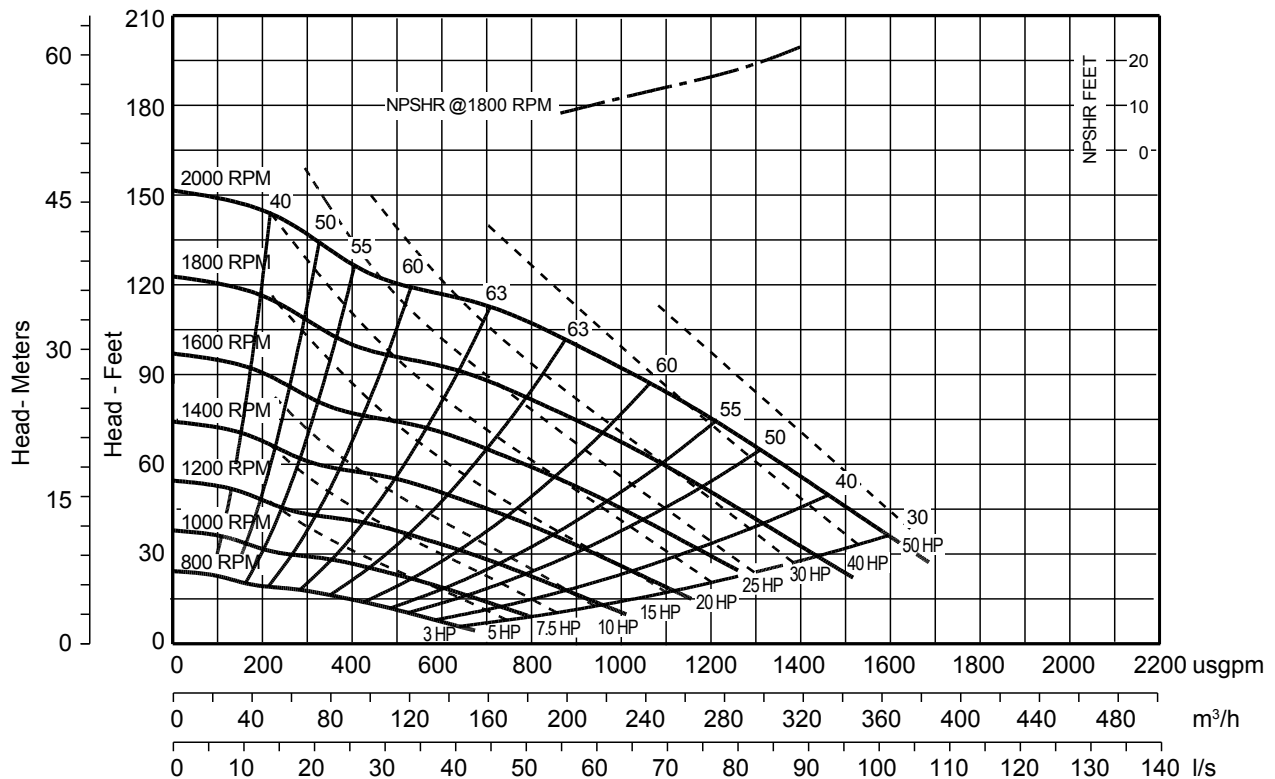
PERFORMANCE CURVE

Model: PP44S10

Impeller Dia: 10"

Solids Size: 3"

Curve #07903HQ



Pioneer Prime Diesel-Driven Centrifugal Pump

PP44S10L71-D2.9L

PUMP SPECIFICATIONS

Vacuum Assisted; Optional Sound Attenuated Enclosure

Size	4" x 4" (100 x 100 mm)
Max Flow	1,600 usgpm (370 m ³ /h)
Max Head	150 feet (50 meters)
Solids Size	3" (76 mm)

ENGINE SPECIFICATIONS

Engine Type	Deutz D2.9L, 4-Cylinder Diesel Final Tier 4
Displacement	177 Cu. In. (2.9 L)
Fuel Tank, Typical	110 US Gal (416.4 L)
Fuel Consumption @ 1800 RPM	1.95 GPH (7.38 L/H) (Full Load)
Continuous HP	36 HP @ 1800 RPM
Operating Time	56 hours
Safety Shut Down Switches	Low Oil Pressure, High Temperature, and V-Belt Failure
Instrument Panel	Oil Pressure Gauge, Ampmeter, Hourmeter, and Tachometer

ULTRAPRIME™ PRIMING SYSTEM

Priming System	Mech. driven diaphragm-style vacuum pump
Air Removal Capability	50 CFM
Priming Chamber	Positive sealing air separation PosiValve™ w/SS float ball & linkage
Discharge Check Valve	Swing style; ductile iron w/nitrile disc
Run Dry System	Oil-lubricated mech. seal allows pump to run completely dry w/o damage



FEATURES

- Indefinite Run-Dry Capability
- Extreme Flow Technology
- Environmentally Safe Priming System with Patented PosiValve™ - No Blow By
- Auto Start Controls
- Sound Attenuated Canopy Model - 68 dBa @ 7 meters

OPTIONS & ACCESSORIES

Trailers

- Off-Road Trailer (No fenders or lights, No VIN)
- On-Road Trailer – Surge Brakes (DOT ready, VIN)
- On-Road Trailer – Electric Brakes (DOT ready, VIN)

Enclosures

- Premium Sound Attenuated Canopy Kit

Control Panel

- Lofa 750

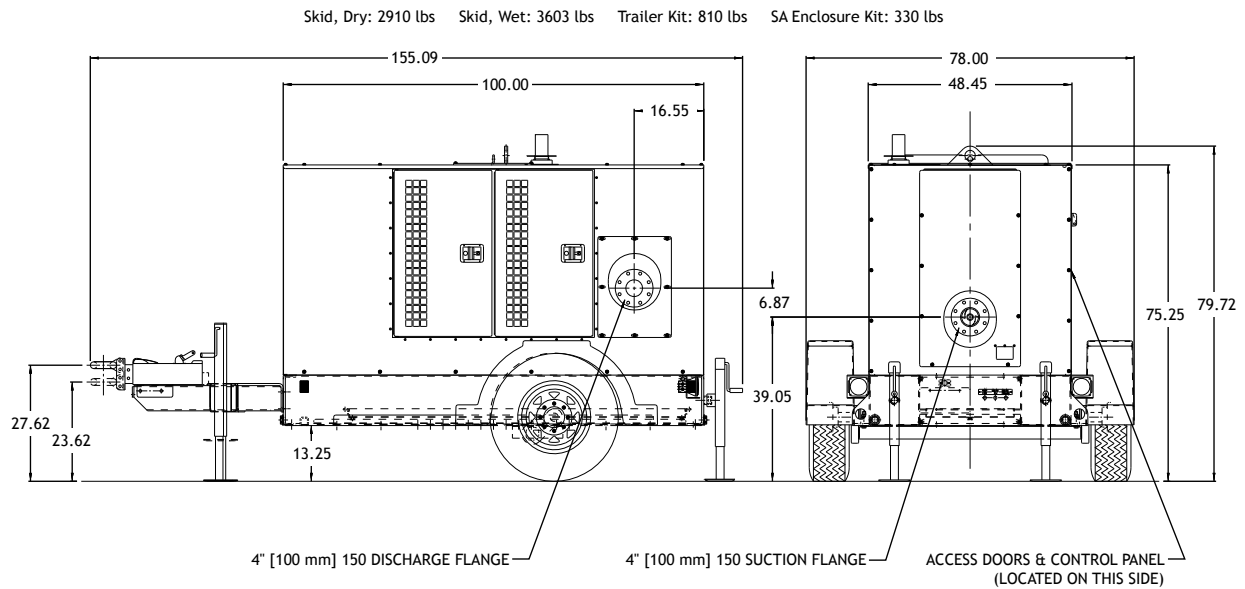
Accessories

- Interior Lights
- Skid Tubes
- Solar Charger
- Spare Tire Carrier
- Toolbox

MATERIALS OF CONSTRUCTION

Material	Standard Construction	Optional Constructions
Impeller	CA6NM SS	CD4Mcu
Shaft	17-4 PH	17-4 PH
Wear Ring	Gray Iron	316 SS
Suction Cover	Ductile Iron	CD4Mcu
Volute	Ductile Iron	CD4Mcu
Brac-Plate/Bracket	Ductile Iron	CD4Mcu

MECHANICAL DIMENSIONS



Package shown with optional sound attenuated enclosure. External dimensions are the same for open packages.

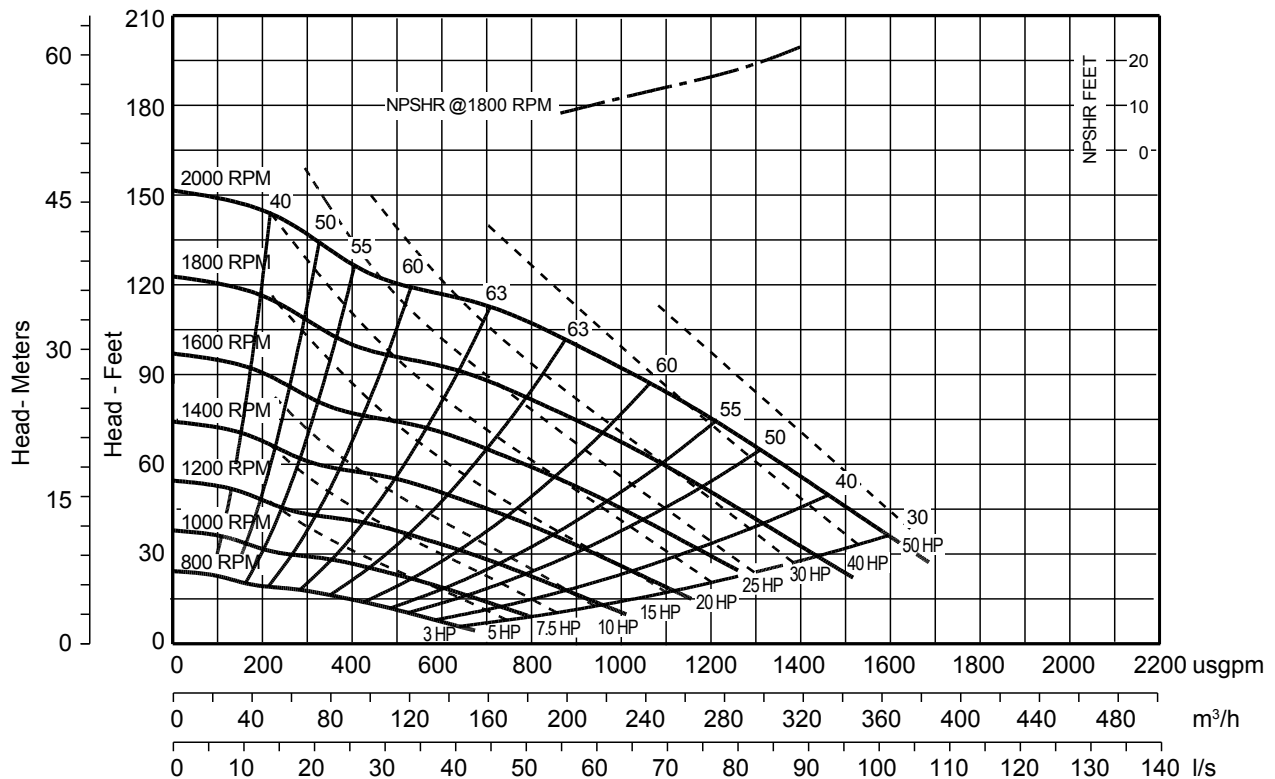
PERFORMANCE CURVE

Model: PP44S10

Impeller Dia: 10"

Solids Size: 3"

Curve #07903HQ



Pioneer Prime Diesel-Driven Centrifugal Pump

PP66S12L71-TD2.9L

PUMP SPECIFICATIONS

Vacuum Assisted; Optional Sound Attenuated Enclosure

Size	6" x 6" (150 x 150 mm)
Max Flow	3,200 usgpm (730 m ³ /h)
Max Head	130 feet (40 meters)
Solids Size	3" (76 mm)

ENGINE SPECIFICATIONS

Engine Type	Deutz TD2.9L, 4-Cylinder Diesel Final Tier 4
Displacement	177 Cu. In. (2.9 L)
Fuel Tank, Typical	110 US Gal (416.4 L)
Fuel Consumption @ 1800 RPM	3.67 GPH (13.9 L/H) (Full Load)
Continuous HP	58 HP @ 1800 RPM
Operating Time	30 hours
Safety Shut Down Switches	Low Oil Pressure, High Temperature, and V-Belt Failure
Instrument Panel	Oil Pressure Gauge, Ampmeter, Hourmeter, and Tachometer

ULTRAPRIME™ PRIMING SYSTEM

Priming System	Mech. driven diaphragm-style vacuum pump
Air Removal Capability	50 CFM
Priming Chamber	Positive sealing air separation PosiValve™ w/SS float ball & linkage
Discharge Check Valve	Swing style; ductile iron w/nitrile disc
Run Dry System	Oil-lubricated mech. seal allows pump to run completely dry w/o damage



FEATURES

- Indefinite Run-Dry Capability
- Extreme Flow Technology
- Environmentally Safe Priming System with Patented PosiValve™ - No Blow By
- Auto Start Controls
- Sound Attenuated Canopy Model - 68 dBa @ 7 meters

OPTIONS & ACCESSORIES

Trailers

- Off-Road Trailer (No fenders or lights, No VIN)
- On-Road Trailer – Surge Brakes (DOT ready, VIN)
- On-Road Trailer – Electric Brakes (DOT ready, VIN)

Enclosures

- Premium Sound Attenuated Canopy Kit

Control Panel

- Lofa 750

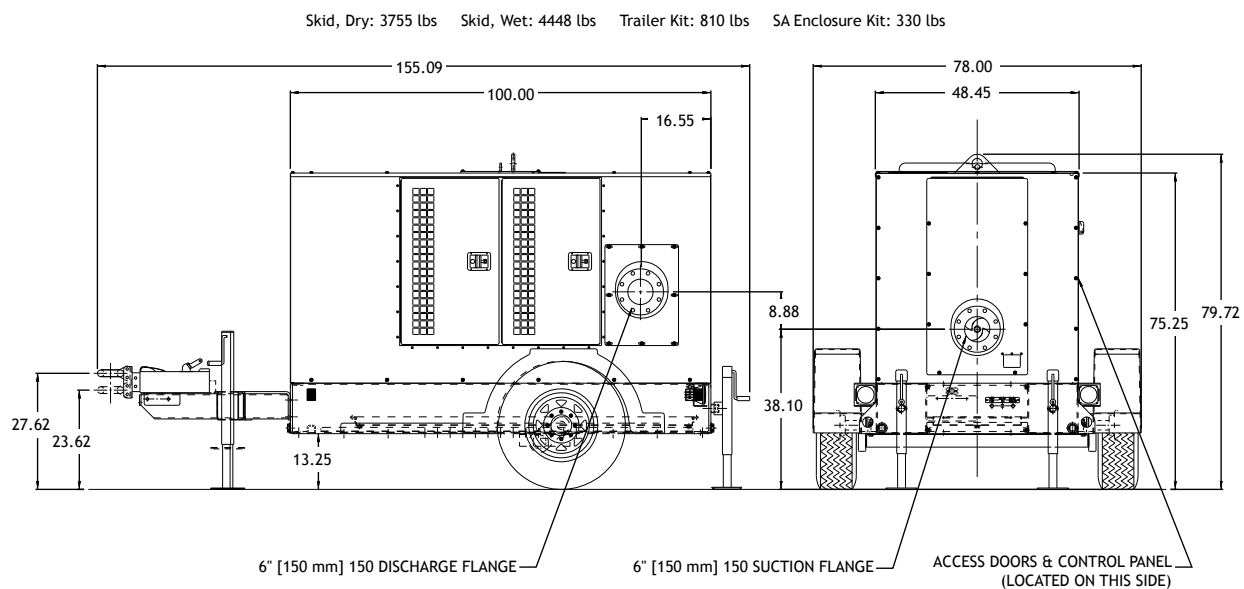
Accessories

- Interior Lights
- Skid Tubes
- Solar Charger
- Spare Tire Carrier
- Toolbox

MATERIALS OF CONSTRUCTION

Material	Standard Construction	Optional Constructions
Impeller	CA6NM SS	CD4Mcu
Shaft	17-4 PH	17-4 PH
Wear Ring	Gray Iron	316 SS
Suction Cover	Ductile Iron	CD4Mcu
Volute	Ductile Iron	CD4Mcu
Brac-Plate/Bracket	Ductile Iron	CD4Mcu

MECHANICAL DIMENSIONS



Package shown with optional sound attenuated enclosure. External dimensions are the same for open packages.

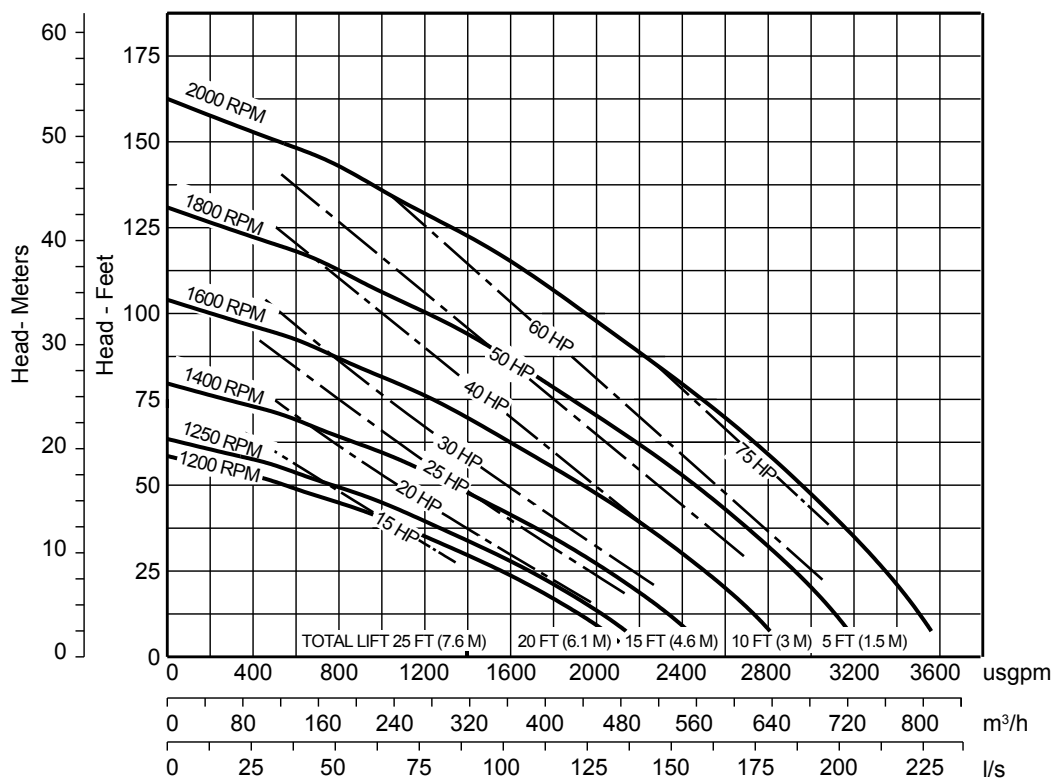
PERFORMANCE CURVE

Model: PP66S12

Impeller Dia: 11"

Solids Size: 3"

Curve #A928HQ



Pioneer Prime Diesel-Driven Centrifugal Pump

PP66S12-1104-44T

PUMP SPECIFICATIONS

Vacuum Assisted; Optional Sound Attenuated Enclosure

Size	6" x 6" (150 x 150 mm)
Max Flow	3,200 usgpm (730 m ³ /h)
Max Head	130 feet (40 meters)
Solids Size	3" (76 mm)

ENGINE SPECIFICATIONS

Engine Type	Perkins 1104D-44T, 4-Cylinder Diesel Tier 3
Displacement	269 Cu. In. (4.4 L)
Fuel Tank, Typical	110 US Gal (416.4 L)
Fuel Consumption @ 1800 RPM	4.91 GPH (18.6 L/H) (Full Load)
Continuous HP	68 HP @ 1800 RPM
Operating Time	22 hours
Safety Shut Down Switches	Low Oil Pressure, High Temperature, and V-Belt Failure
Instrument Panel	Oil Pressure Gauge, Ampmeter, Hourmeter, and Tachometer

ULTRAPRIME™ PRIMING SYSTEM

Priming System	Mech. driven diaphragm-style vacuum pump
Air Removal Capability	50 CFM
Priming Chamber	Positive sealing air separation PosiValve™ w/SS float ball & linkage
Discharge Check Valve	Swing style; ductile iron w/nitrile disc
Run Dry System	Oil-lubricated mech. seal allows pump to run completely dry w/o damage



FEATURES

- Indefinite Run-Dry Capability
- Extreme Flow Technology
- Environmentally Safe Priming System with Patented PosiValve™ - No Blow By
- Auto Start Controls
- Sound Attenuated Canopy Model - 68 dBa @ 7 meters

OPTIONS & ACCESSORIES

Trailers

- Off-Road Trailer (No fenders or lights, No VIN)
- On-Road Trailer – Surge Brakes (DOT ready, VIN)
- On-Road Trailer – Electric Brakes (DOT ready, VIN)

Enclosures

- Premium Sound Attenuated Canopy Kit

Control Panel

- Lofa 750

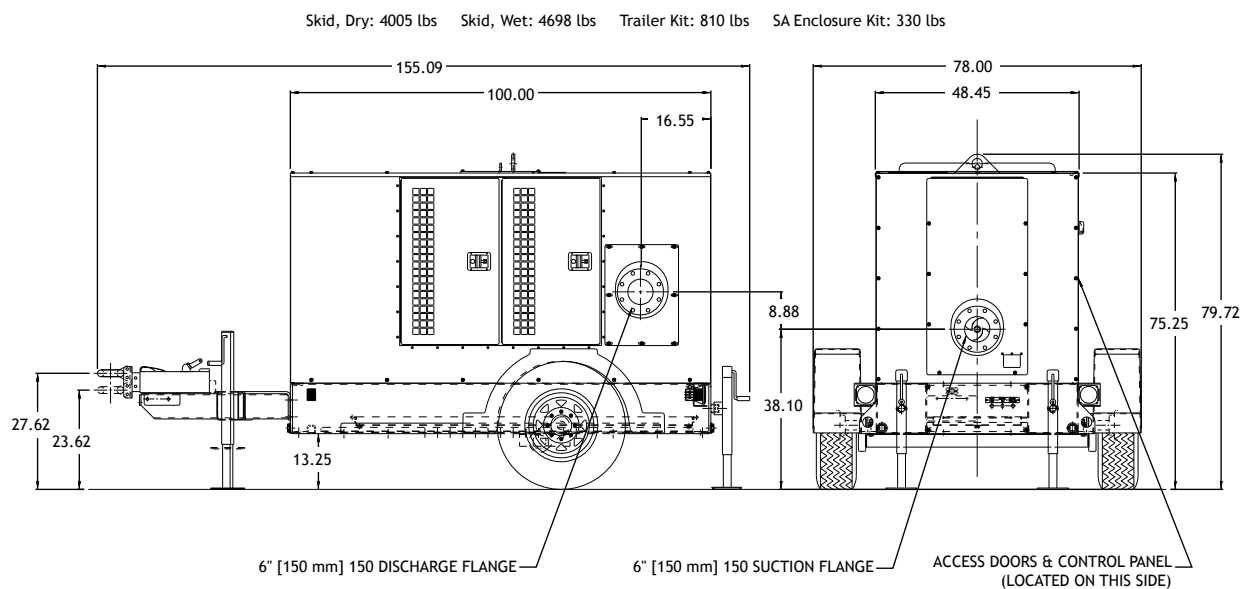
Accessories

- Interior Lights
- Skid Tubes
- Solar Charger
- Spare Tire Carrier
- Toolbox

MATERIALS OF CONSTRUCTION

Material	Standard Construction	Optional Constructions
Impeller	CA6NM SS	CD4Mcu
Shaft	17-4 PH	17-4 PH
Wear Ring	Gray Iron	316 SS
Suction Cover	Ductile Iron	CD4Mcu
Volute	Ductile Iron	CD4Mcu
Brac-Plate/Bracket	Ductile Iron	CD4Mcu

MECHANICAL DIMENSIONS



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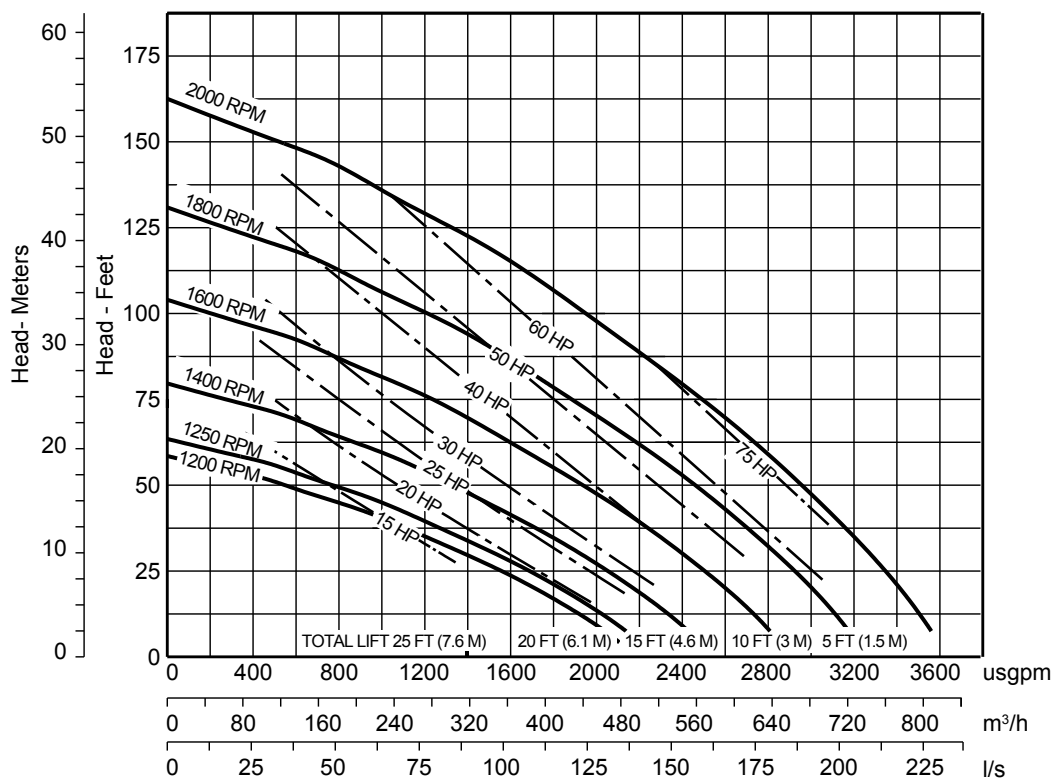
PERFORMANCE CURVE

Model: PP66S12

Impeller Dia: 11"

Solids Size: 3"

Curve #A928HQ



Pioneer Prime Diesel-Driven Centrifugal Pump

PP66S12L71-4045TF290

PUMP SPECIFICATIONS

Vacuum Assisted; Optional Sound Attenuated Enclosure

Size	6" x 6" (150 x 150 mm)
Max Flow	3,200 usgpm (730 m ³ /h)
Max Head	130 feet (40 meters)
Solids Size	3" (76 mm)

ENGINE SPECIFICATIONS

Engine Type	John Deere 4045TF290, 4-Cylinder Diesel Interim Tier 4
Displacement	275 Cu. In. (4.5 L)
Fuel Tank, Typical	110 US Gal (416.4 L)
Fuel Consumption @ 1800 RPM	4.46 GPH (16.9 L/H) (Full Load)
Continuous HP	60 HP @ 1800 RPM
Operating Time	24 hours
Safety Shut Down Switches	Low Oil Pressure, High Temperature, and V-Belt Failure
Instrument Panel	Oil Pressure Gauge, Ampmeter, Hourmeter, and Tachometer

ULTRAPRIME™ PRIMING SYSTEM

Priming System	Mech. driven diaphragm-style vacuum pump
Air Removal Capability	50 CFM
Priming Chamber	Positive sealing air separation PosiValve™ w/SS float ball & linkage
Discharge Check Valve	Swing style; ductile iron w/nitrile disc
Run Dry System	Oil-lubricated mech. seal allows pump to run completely dry w/o damage



FEATURES

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- Auto Start Controls
- Sound Attenuated Canopy Model - 68 dBa @ 7 meters

OPTIONS & ACCESSORIES

Trailers

- Off-Road Trailer (No fenders or lights, No VIN)
- On-Road Trailer – Surge Brakes (DOT ready, VIN)
- On-Road Trailer – Electric Brakes (DOT ready, VIN)

Enclosures

- Premium Sound Attenuated Canopy Kit

Control Panel

- Lofa 750

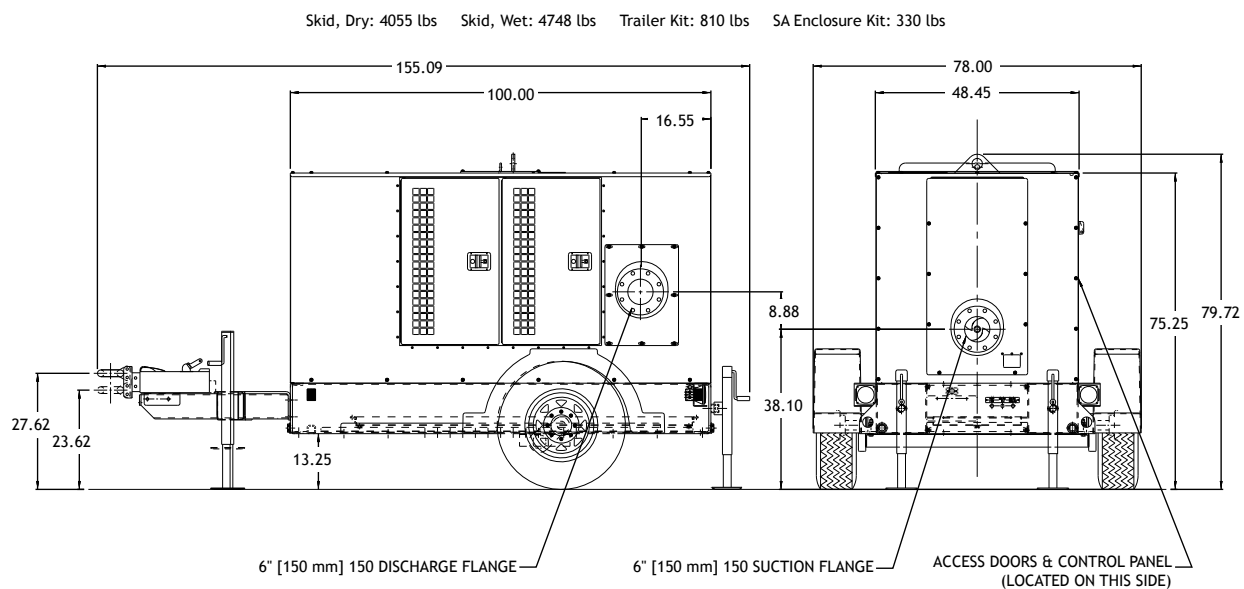
Accessories

- Interior Lights
- Skid Tubes
- Solar Charger
- Spare Tire Carrier
- Toolbox

MATERIALS OF CONSTRUCTION

Material	Standard Construction	Optional Constructions
Impeller	CA6NM SS	CD4Mcu
Shaft	17-4 PH	17-4 PH
Wear Ring	Gray Iron	316 SS
Suction Cover	Ductile Iron	CD4Mcu
Volute	Ductile Iron	CD4Mcu
Brac-Plate/Bracket	Ductile Iron	CD4Mcu

MECHANICAL DIMENSIONS



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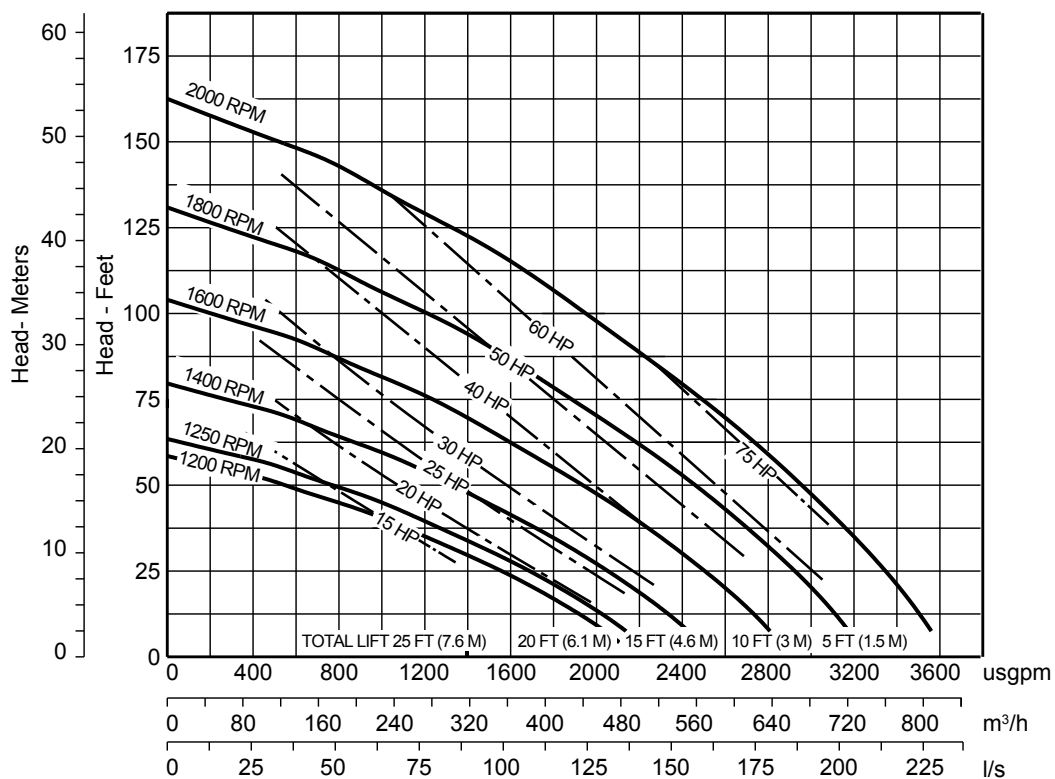
PERFORMANCE CURVE

Model: PP66S12

Impeller Dia: 11"

Solids Size: 3"

Curve #A928HQ



Pioneer Prime Diesel-Driven Centrifugal Pump

PP88S12L71-4045HF285

PUMP SPECIFICATIONS

Vacuum Assisted; Optional Sound Attenuated Enclosure

Size	8" x 8" (200 x 200 mm)
Max Flow	4,500 usgpm (1,040 m ³ /h)
Max Head	200 feet (60 meters)
Solids Size	3" (76 mm)

ENGINE SPECIFICATIONS

Engine Type	John Deere 4045HF285, 4-Cylinder Diesel
Displacement	275 Cu. In. (4.5 L)
Fuel Tank, Typical	135 US Gal (511 L)
Fuel Consumption @ 1800 RPM	6.12 GPH (23.2 L/H) (Full Load)
Continuous HP	109 HP @ 1800 RPM
Operating Time	22 hours
Safety Shut Down Switches	Low Oil Pressure, High Temperature, and V-Belt Failure
Instrument Panel	Oil Pressure Gauge, Ampmeter, Hourmeter, and Tachometer

ULTRAPRIME™ PRIMING SYSTEM

Priming System	Mech. driven diaphragm-style vacuum pump
Air Removal Capability	50 CFM
Priming Chamber	Positive sealing air separation PosiValve™ w/SS float ball & linkage
Discharge Check Valve	Swing style; ductile iron w/nitrile disc
Run Dry System	Oil-lubricated mech. seal allows pump to run completely dry w/o damage



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Trailers

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- On-Road Trailer – Surge Brakes (DOT ready, VIN)
- On-Road Trailer – Electric Brakes (DOT ready, VIN)

Enclosures

- Premium Sound Attenuated Canopy Kit

Control Panel

- Lofa 750

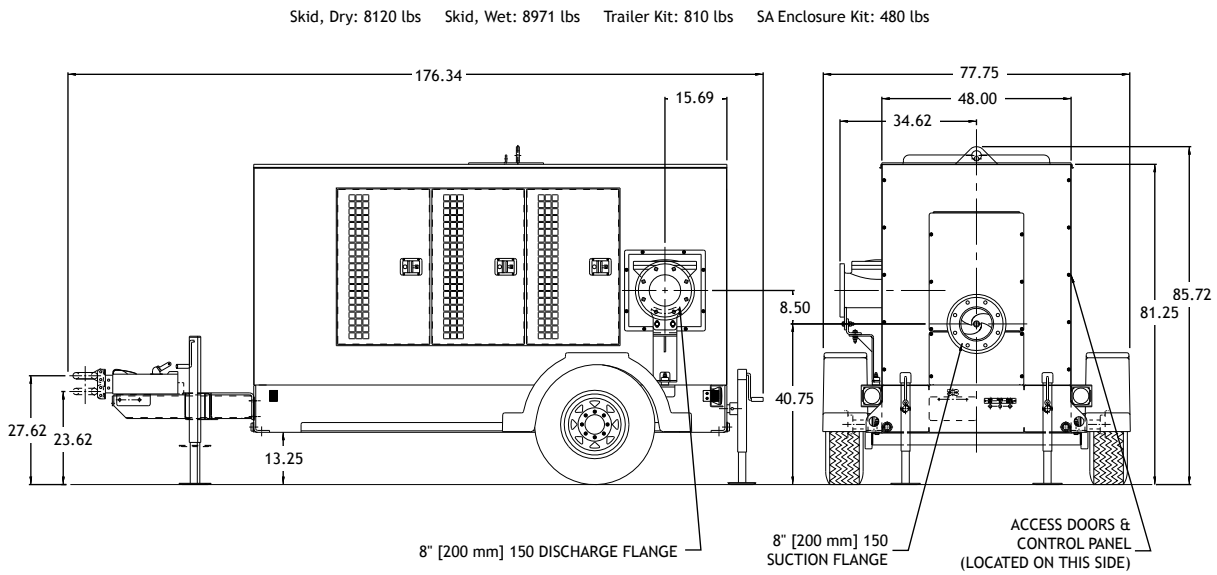
Accessories

- Interior Lights
- Skid Tubes
- Solar Charger
- Spare Tire Carrier
- Toolbox

MATERIALS OF CONSTRUCTION

Material	Standard Construction	Optional Constructions
Impeller	CA6NM SS	CD4Mcu
Shaft	17-4 PH	17-4 PH
Wear Ring	Gray Iron	316 SS
Suction Cover	Ductile Iron	CD4Mcu
Volute	Ductile Iron	CD4Mcu
Brac-Plate/Bracket	Ductile Iron	CD4Mcu

MECHANICAL DIMENSIONS



Package shown with optional sound attenuated enclosure. External dimensions are the same for open packages.

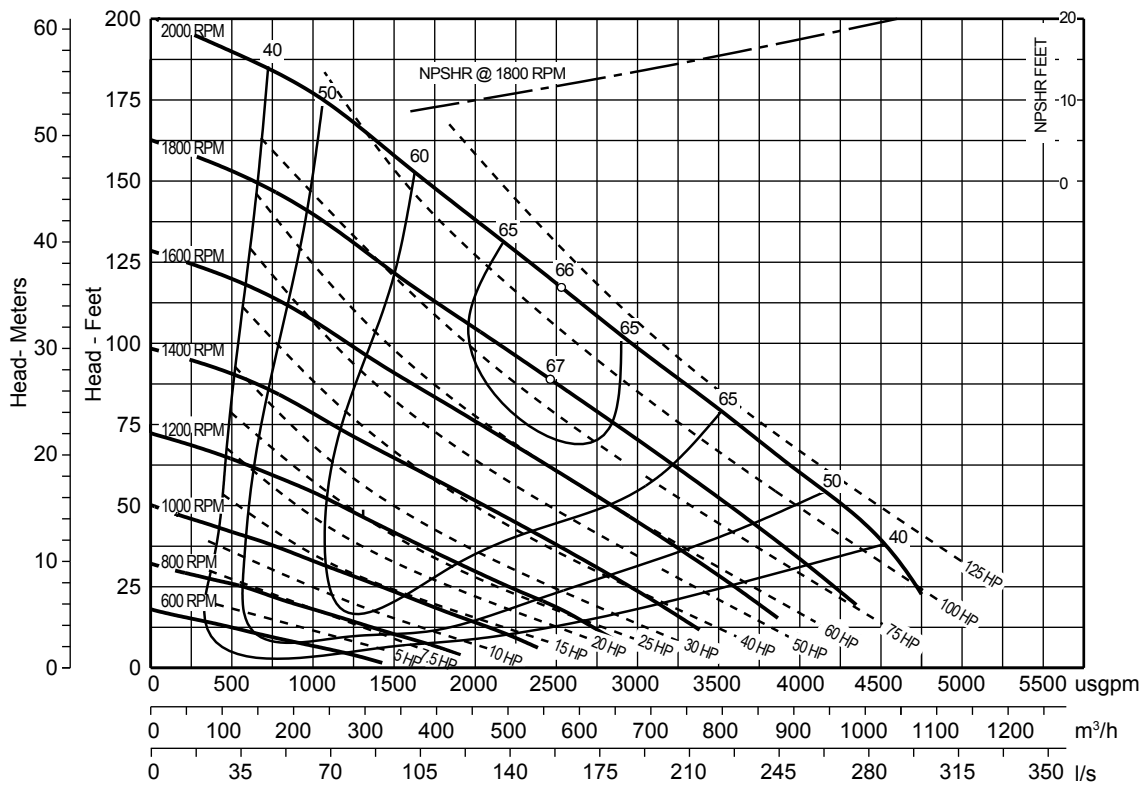
PERFORMANCE CURVE

Model: PP88S12

Impeller Dia: 12.25"

Solids Size: 3"

Curve #A5895HQ



THE PIONEER PUMP ADVANTAGE

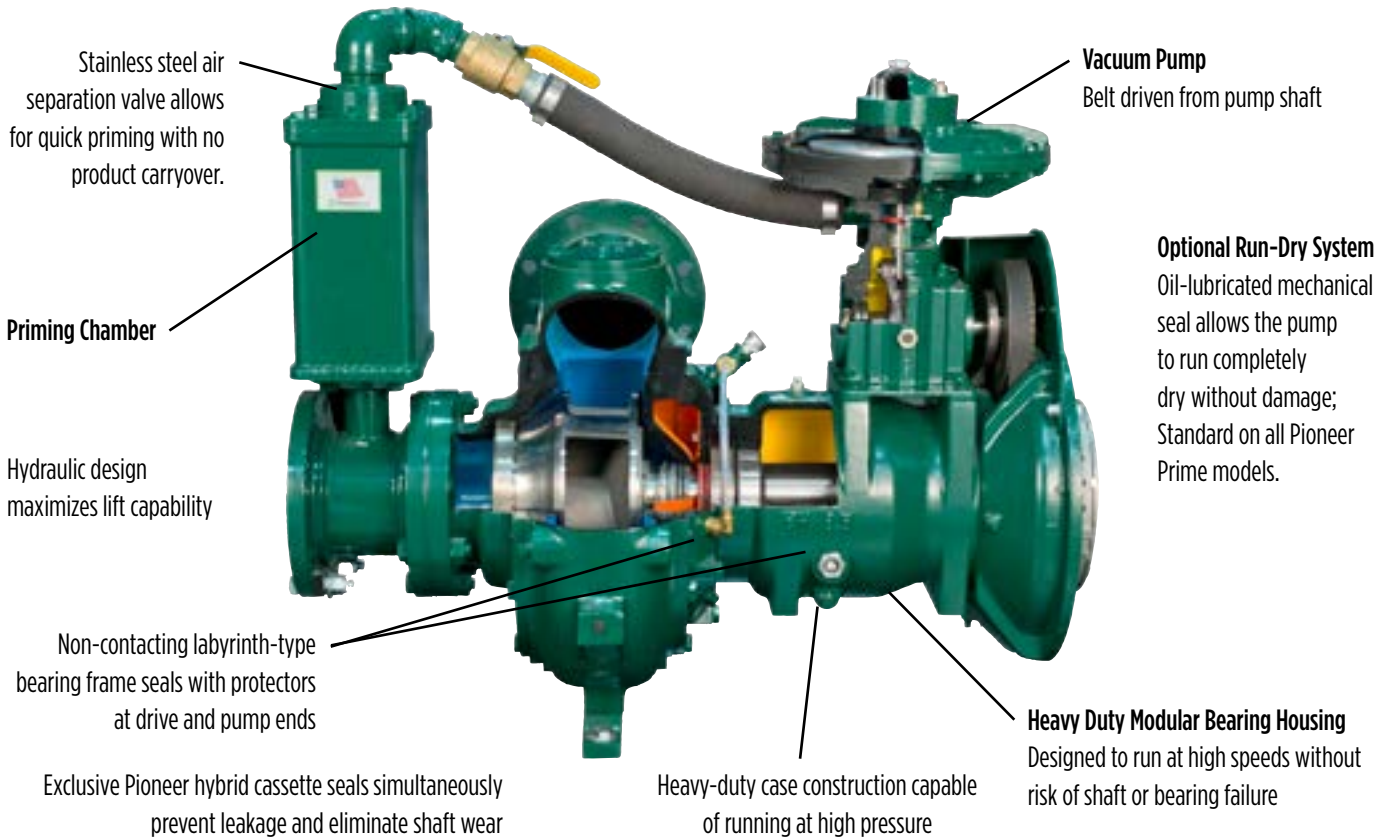
PATENTED PIONEER PRIME

Timing belt driven vacuum pump removes air from the suction line while the Patented PosiValve™ prevents liquid entry into the vacuum pump.

- Quick initial priming
- Overcomes minor suction-side leaks
- Continuous, unattended reprime under auto stop/start conditions

HEAVY-DUTY COMPONENTS

All Pioneer Pump standard centrifugal models are designed to stand up under the most demanding environments. Over-sized shafts and bearings, optimal materials and advanced designs combine to create products that deliver performance in the field.



Franklin Electric