



Pioneer Pump, Inc.

SPECIFICATION SHEET

PIONEER PRIME - ENGINE DRIVEN - END SUCTION CENTRIFUGAL PUMP SIZE 12" X 12"

General Specifications: Model: PP1212S17L11-BF6L914C Engine Driven, Fully Automatic Dry Priming, Vacuum Assisted, Run Dry, Heavy Duty Solids Handling Pump

Pump Specifications:

Size: 12" X 12" with 3.75 Inch Spherical Solids Handling Capability

Wear Ring: ASTM A48 Class 30 Gray Iron

Volute Casing: ASTM A48 Class 30 Gray Iron

Backplate: ASTM A48 Class 30 Gray Iron

Bracket: ASTM A48 Class 30 Gray Iron Enclosed with Lip Seal for Mechanical Seal Dry Running with Oil Level Sight Glass Bracket Oil Capacity 1.2 Gallons

Mechanical Seal: Single Type Seal with Silicon Carbide Seal Faces, Viton Elastomers, 300 Series Stainless Hardware and Spring, Seal System Designed for Indefinite Dry Running

Impeller: Enclosed Type with 3.75 Inch Spherical Solids Handling Capability, Construction of CA6NM Stainless Steel (Other Material Available)
Including: ASTM A536 Grade 65-45-12 Ductile Iron 316 Stainless Steel, CD4-Mcu Stainless Steel and)

Bearing Housing: ASTM A48 Class 30 Gray Iron

Pump End Bearing: Single Row Ball - 6314-C3

Drive End Bearing: (2) Angular Contact - 7316-C3

Shaft: 17-4 PH Corrosion Resistant

Flanges: ANSI 150 # Flanges Standard (250 # Flanges Available)

O-Rings: Buna-n Standard (Others Available Including: Viton)

Lip Seals: Bracket - CR Type - Buna-n

Bearing/S.A.E. Cover - CR Type - Buna-n

Optional Materials: 316 Stainless Steel, CD4-Mcu Stainless Steel and Ductile Iron

Vacuum Pump Specifications:

50 CFM Air Flow Capacity, Diaphragm Style continuous Vacuum, Mechanically Driven

Materials of Construction:

Casing - Corrosion Resistant Aluminum

Actuator - Corrosion Resistant Aluminum w/Buna-n Elastomer

Drive Assembly - Cast Iron-Class 30 with Steel Shaft and Connecting Rod-Oil Lubricated

Separator Specifications:

Separator Spool: Double Chamber, Standard Steel

Air/Water Chamber: Bolted to Suction Spool/Volute of Centrifugal Pump-Chamber Designed to Separate Air and Water Before Entering the Pump Case. O-ring Sealed with Vacuum Pump Isolation Valve.

Air/Separation Valve: Constructed of Non-Corrosive Manganese Bronze with 316 Stainless Steel Valve Stem Seat, Actuator Assembly, Float Ball and Hardware.

Discharge Check Valve: Swing Style - Cast Iron with Buna-n Disc (Viton Optional)

Engine Specifications:

Model: BF6L914C (Deutz)

Type: Six Cylinder, Four Cycle, Water Cooled Turbo Charged Diesel Engine

Displacement: 373 Cu. In.

Governor: Mechanical

Lubrication: Forced Feed

Air Cleaner: Filter Element

Fuel Tank: 205 U.S. Gallons (775.0 L.)

Operating Time: Full Load: 29 Hours

Starter: 12 Volt Electric

Standard Features: Safety Shut Down Switches for Low Oil Pressure, High Temperature and V-Belt Failure. Instrument Panel with Temperature and Oil Pressure Gauge, Ampmeter, Hourmeter and Tachometer. Muffler with Rain Cap and Battery.

Engine/Pump Coupling:

S.A.E. # 3 Housing with 11.50 Inch Rubber Disc Drive (Stub Shaft with Flexible Coupling Also Available)

Standard Skid:

Heavy Duty Fabricated Steel Frame, Integral Fuel Tank with Fuel Gauge, Lifting Bail, Lockable Fuel Cap, Lockable Battery Rack and Four 2" Clean-Out/Drain Plugs

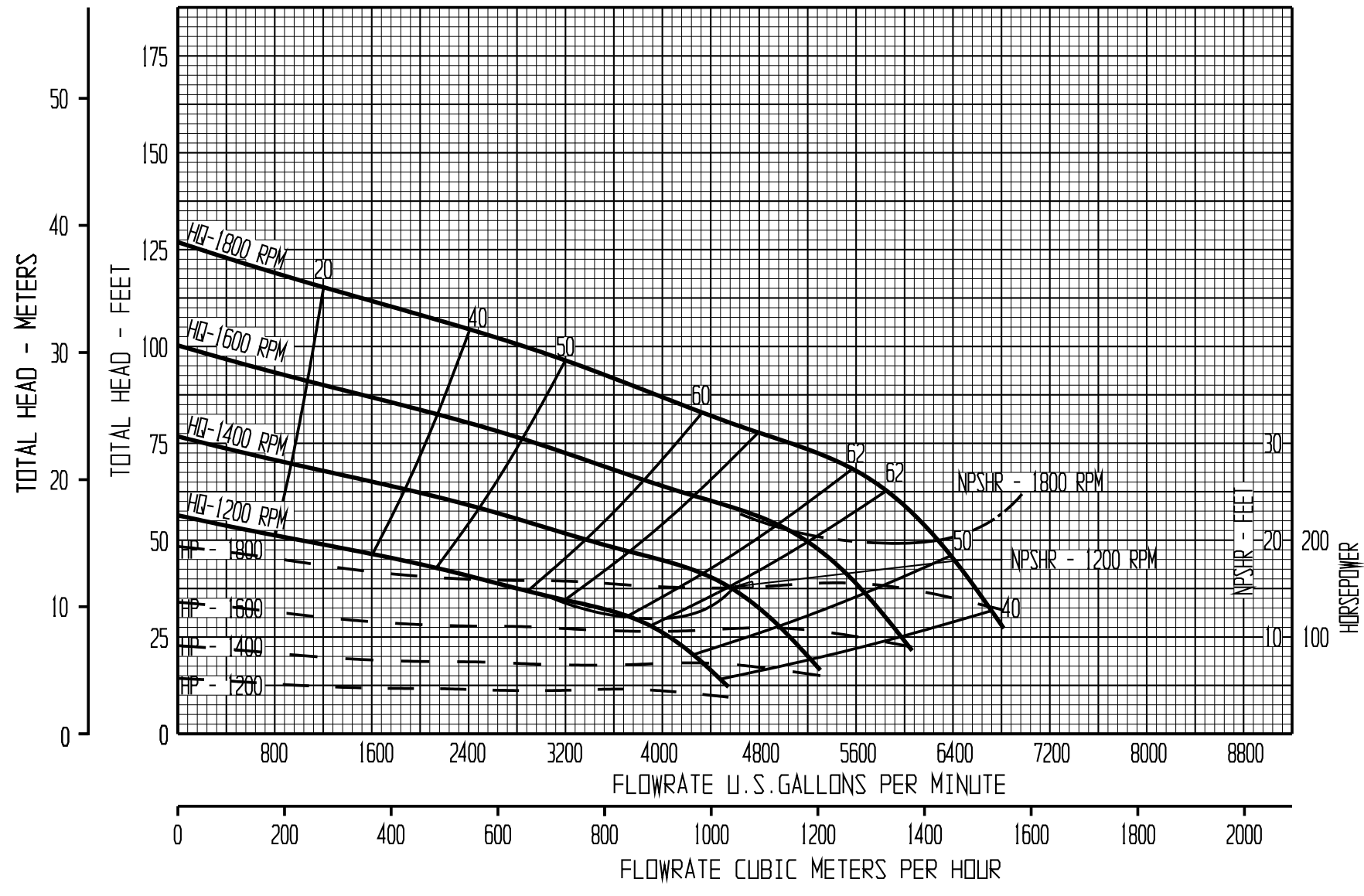
Standard Trailer:

Heavy Duty Fabricated Steel Frame, Integral Fuel Tank with Fuel Gauge, Suspension - Tandem Torsion-Flex Axle. Lifting Bail, Adjustable Front Leveling Jack, Adjustable Towing Bar (Hatch and Safety Chains), Lockable Fuel Filler Cap, Lockable Battery Rack, 7.00 X 15" LT Load Range "D" Tires and Wheels.

Trailer Options:

D.O.T. Light Package, Work Lights, Adjustable Rear Jack(s), Lifting Crane, Special Tires and Wheels, Dual Axles, Diamond Plate Fenders, Surge Brakes, Lockable Enclosed Battery Box, Lockable Enclosed Control Panel, Lockable Enclosed Engine Housing, Storage Box and Hose Rack.

MODEL: PP1212S17 | SIZE: 12"X12" | IMPELL. DIA.: 13.25" | SPEED: VARIOUS | SOLIDS SIZE: 3.75" | Dwg. No. A4616HQ



MODEL: PP1212S17

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PIONEER PRIME SERIES

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