

WATER LIFT PUMP

The Topline Venturi Prime Centrifugal pump offers flow rates to 2290 USGPM and has the capability of handling solids up to 3.0" in Diameter.

The Model VP88S12L71 is able to automatically prime to 28' of suction lift from dry. Automatic or manual starting/stopping available through integral mounted control panel or optional wireless-remote access.

Indefinite dry-running is no problem due to Oil-lubricated mechanical seal allows the pump to run completely dry without damage and portability make Pump the perfect choice for dewatering and bypass applications.

Close-coupled centrifugal pump with Venturi Eductor Valve system coupled to mechanically driven Air Compressor.



VENTURI PRIME CENTRIFUGAL PUMP

SPECIFICATIONS:

PUMP SPECIFICATIONS

Size: 8" x 8" Class 150 ANSI Flanges
 Volute Casing: ASTM A536 Grade 65 45 12 Ductile Iron
 Max Operating Pressure: 250 PSI (17.2 BAR)
 Wear Ring(s): ASTM A48 Class 40 Gray Iron
 Bracket: ASTM A48 Class 30/35 Gray Iron
 Backplate: ASTM A536 Grade 65 45 12 Ductile Iron
 Suction Cover: ASTM A536 Grade 65 45 12 Ductile Iron
 Mechanical Seal: Single Type Seal w/ Tungsten Carbide vs. Silicon Carbide Seal Faces, Viton Elastomers, 300 Series Stainless Steel Hardware and Spring Seal System
 Impeller: 12.25" Dia. Enclosed Type Impeller w/3.0" Spherical Solids Handling Capability – ASTM A744 CA6NM Stainless Steel
 Bearing Housing: ASTM A48 Class 30/35 Gray Iron
 Pump End Bearing: Single Row Ball
 Drive End Bearing: Single Row Ball
 Shaft: 1144 Stress Proof Steel Chromed and Ground Fits
 O-Rings: Buna-n (Viton Optional)
 Lubrication: Oil (Grease Optional)

ENGINE SPECIFICATIONS

Engine Type: John Deere, Four Cylinder, Four Cycle, Air Cooled Diesel
 Displacement: 275 Cu. In. (4.5 L)
 Fuel Tank: 93 US Gallons (352 L)
 Fuel Consumption: 3.2 GPH (12.11 L/H) at 1,800 RPM (Full Load)
 Continuous Horsepower: 60 HP at 1,800 RPM
 Operating Time: Over 24 Hours (Full Load)
 Safety Shut Down Switches: Low Oil Pressure, High Temperature and V-Belt Failure
 Instrument Panel: Oil Pressure Gauge, Ampmeter, Hourmeter, and Tachometer

VENTURI PRIMING SYSTEM

Priming System: Mechanically Driven Air Compressor with Venturi Eductor Valve
 Air Removal Capability: 13 CFM
 Priming Chamber: Positive sealing air separation PosiValve™ with stainless steel float ball & linkage.
 Discharge Check valve: Swing Style- Cast Iron with Buna-n Disc
 Run Dry System: Oil-lubricated mechanical seal allows the pump to run completely dry without damage.