

Specification Sheet for Model GT6013L72-C4.4

Self Priming - Diesel Driven, DOT Trailer Mounted Pump Package

Features

- Excellent NPSHr
- Large Solids Handling
- High Efficiency Design
- Superior Re-Prime Capability
- Unmanned Operation
- Superior Lift Capability
- Heavy Duty Construction
- 17-4 Stainless Steel Shaft
- Cartridge Seal Assembly

Pump Specifications

Size	6" x 6" Female NPT Connection
Volute Casing	ASTM A536 Grade 65 45 12 Ductile Iron
Max Operating Pressure	150 PSI (10.3 BAR)
Wear Plate	ASTM A48 Class 30/35 Cast Iron
Seal Housing	ASTM A48 Class 30/35 Cast Iron
Removable Cover Plate	ASTM A48 Class 30/35 Cast 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	Semi-Open Type, Non-Clog Impeller w/3.00" Spherical Solids Handling Capability – ASTM A536 Grade 65 45 12 Ductile Iron
Bearing Housing	ASTM A48 Class 30/35 Gray Iron
Pump End Bearing	Open Single Ball
Drive End Bearing	Open Double Ball
Shaft	17-4 PH Corrosion Resistant Stainless Steel.
Pressure Relief Valve	Adjustable; 75-150 psi
O-Rings	Viton
Lubrication	ISO 32 or Equivalent Oil
Optional Materials	Hardened Iron (400-450 BHN) Impeller, Seal Plate, Wear Plate and Casing



Engine Specifications

Engine Type	Caterpillar C4.4T 4 Cylinder Diesel Interim Tier 4
Displacement	269 Cu. In. (4.4 L)
Fuel Tank, Typical	75 US Gallons (416.4 L)
Fuel Consumption	3.8 GPH (Full Load)
Continuous Horsepower	74 HP at 1,800 RPM
Operating Time	19.5 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

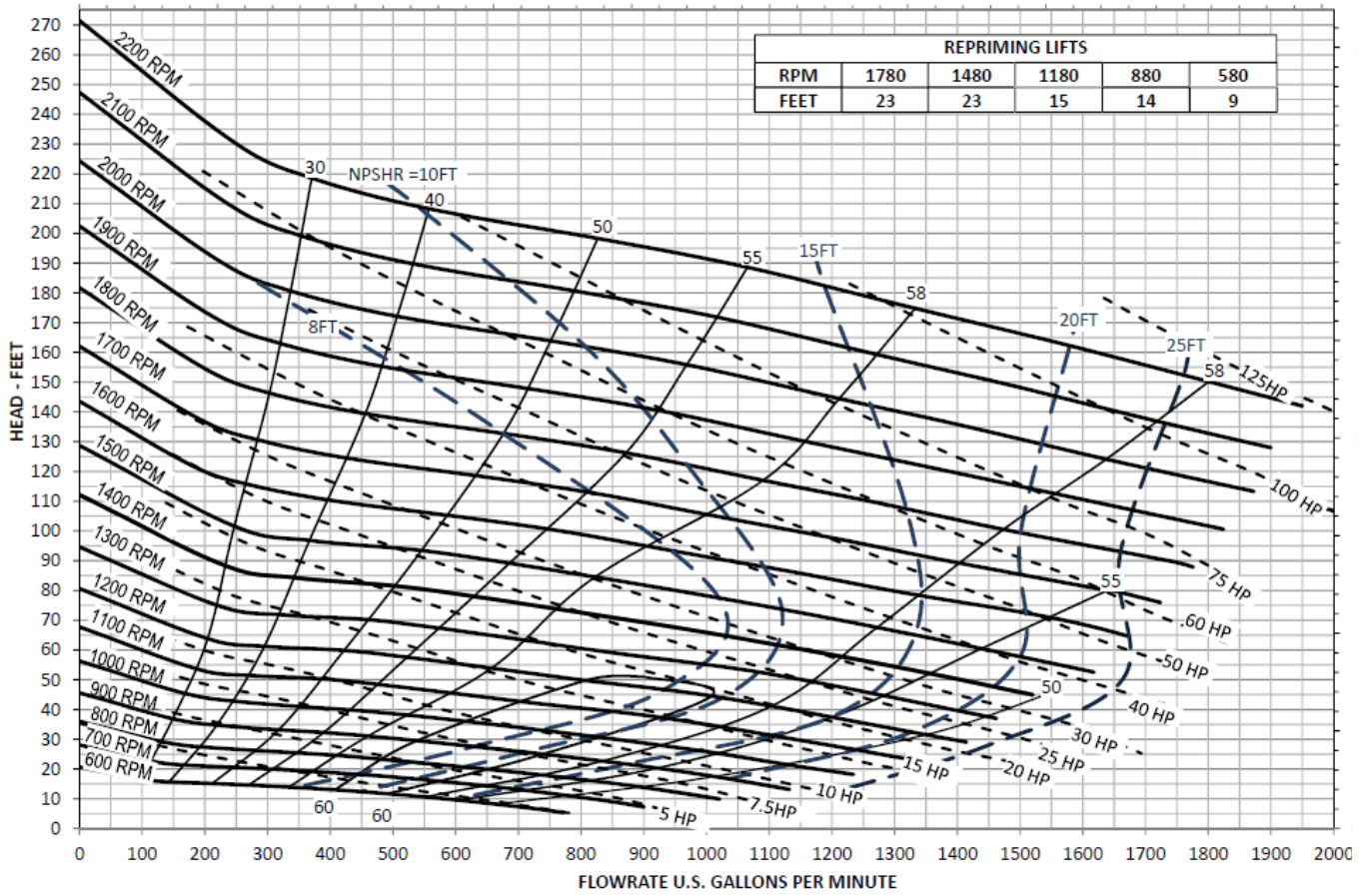
Self Priming

Pioneer self-priming pumps are designed for reliable solids and clear liquids handling. After initial priming, they continue to reprime automatically.

Durable materials	Standard heavy-wall ductile iron volute and 17-4 PH stainless steel shaft for durability
Peak performance	External shimless impeller adjustment; easily adjust the tolerance between the impeller and wearplate.
Mechanical Seal	Cartridge type; tungsten vs. silicon carbide mechanical seal for ease of maintenance and simple installation.

Performance Curve

Model: GT6O13	Impeller Dia: 12.50"	Speed: Variable	Solids Size: 3.0"
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Mechanical Drawing

GT6O12L72-C4.4

