

6" Diesel Pump

Vacuum Assisted – dBa Silencer

Product Description

Diesel engine driven centrifugal pump equipped with vacuum-assisted priming system.

Trailer mounted for easy transportation and enclosure for sound attenuation, having the following additional features: Run dry mechanical seal, Auto-start control, monitoring of fuel level, engine load, run time, oil and coolant temperature, and telemetry system.

Technical Data

Operating Parameters

Min. / Max. Flow	410 gpm / 2680 gpm
Min. / Max. Shutoff Head	74 ft (32psi) / 192 ft (83psi)
Maximum Casing Pressure	175 psi
Maximum Temperature	200°F
Maximum Solid Size	3 inch
Min. / Max. Pump Speed	1200 rpm / 1950 rpm

Pump & Accessory Specifications

Suction / Discharge Size	6 inch / 6 inch
Impeller Diameter	12 inch
Vacuum System - Type / Capacity	Diaphragm / 50 CFM

Casing	Ductile Iron
Impeller	Ductile Iron
Wear Ring	Cast Iron
Shaft	Stressproof Steel
Mechanical Seal Faces	Silicon-Carbide / Silicon-Carbide
Mechanical Seal Lubrication	ISO Viscosity Grade 32 or Lower <i>(synthetic recommended)</i>
O-rings & Gaskets	Buna-N & Viton
Check Valve Body	Ductile Iron
Check Valve Flapper	Buna-N
Check Valve Type	Swing type

Driver Properties	Type A	Type B
Driver Type	Diesel Engine	Diesel Engine
Driver Make	Cummins	Duetz
Model	QSF2.8	TD2.9L4
Max. Continuous Rating	74 hp	75 hp
Total Displacement	2.8 liters	2.92 liters
Aspiration	Turbocharged Charge-Air Cooled	Turbocharged
Number of Cylinders	4	4
Safety Shutdowns	Low Oil Pressure, High Temp.	Low Oil Pressure, High Temp. & V-Belt Failure
Fuel Consumption	2.8 gal/hr @ 1800 rpm	3 gal/hr @ 1800 rpm
Run Time	39.1 hours @ 1800 rpm	28.2 hours @ 1800 rpm
Fuel Type	No. 2 Diesel: NO BIODIESEL	No. 2 Diesel: NO BIODIESEL
Fuel Capacity	110 U.S. gallons	85 U.S. gallons
Noise Rating	70 dBa @ 30 feet	70 dBa @ 30 feet



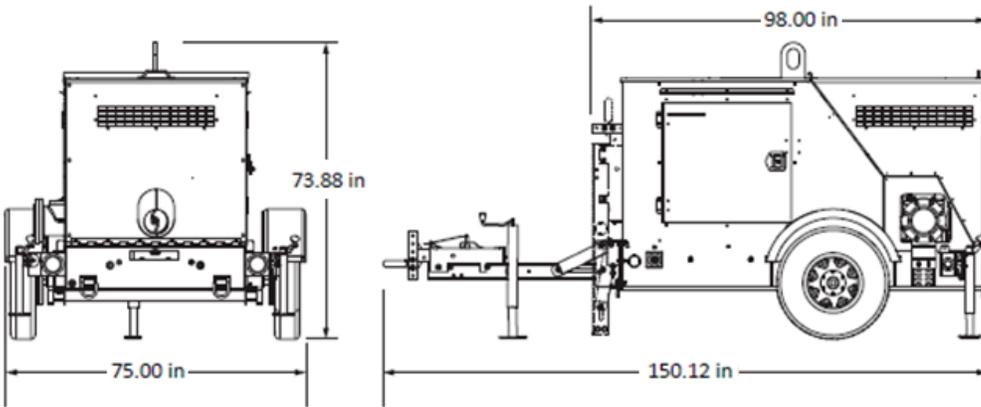
Notes

- Performance data based on water at 60°F
- Run time indicated is for reference and could vary based on speed and engine loads
- Maximum temperature is the equipment material limitation. Based on the application, process, product and NPSH requirements, the maximum allowable temperature could be lower
- This pump is also available with a 20 CFM venturi-compressor priming system

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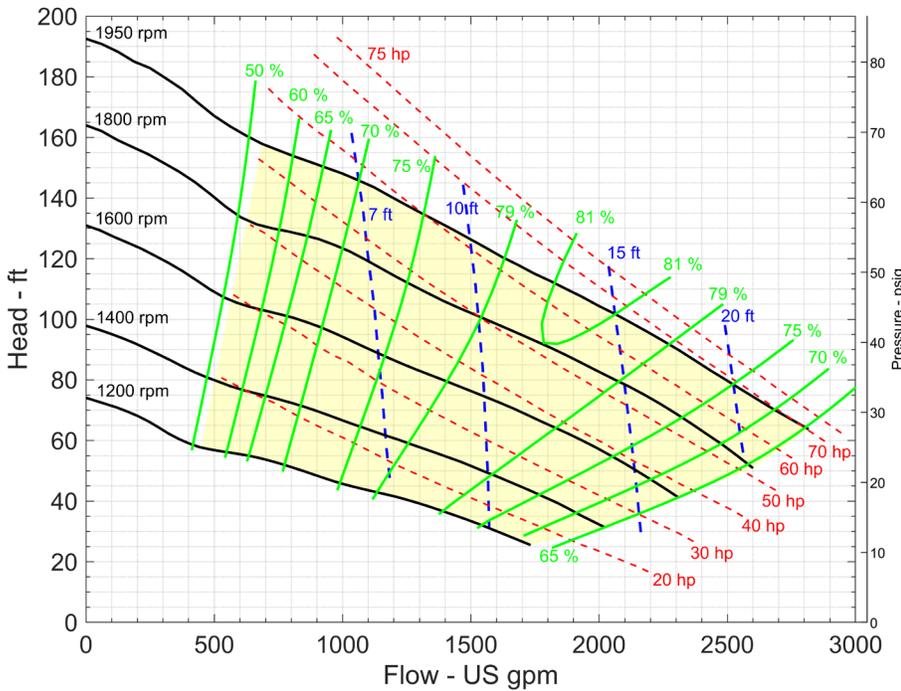
Dimensional Drawing



Dimensional Details

Total Weight wo/Fuel	3533 lbs
Total Weight w/Fuel	4314 lbs
Overall Height	74 inch
Overall Width	75 inch
Overall Length	150 inch

Performance Curve



Pump Make	Cornell
Pump Model	6612T
Operating Speed	Variable
Min. Speed	1200 rpm
Max. Speed	1950 rpm
Impeller Rated Dia.	12 inch
Impeller Type	Enclosed
No. of Impeller Vanes	2
Solid Dia.	3 inch
Specific Speed	2570 US Units
Suction Size	6 inch
Discharge Size	6 inch



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