



Experience Innovation

Name: 4" Vacuum-Assisted Solids Handling Pump

Model: 4JSVC

With its heavy-duty cast-iron construction and fast priming capabilities, the Thompson 4JSVC solids handling end suction centrifugal pump leads the industry in construction, industrial and municipal applications. The Thompson 4JSVC is designed for moderate flows up to 1,520 gpm and heads up to 215 feet making it perfect for sewage bypass pumping or general construction dewatering.



Photo shown may not be exact model.

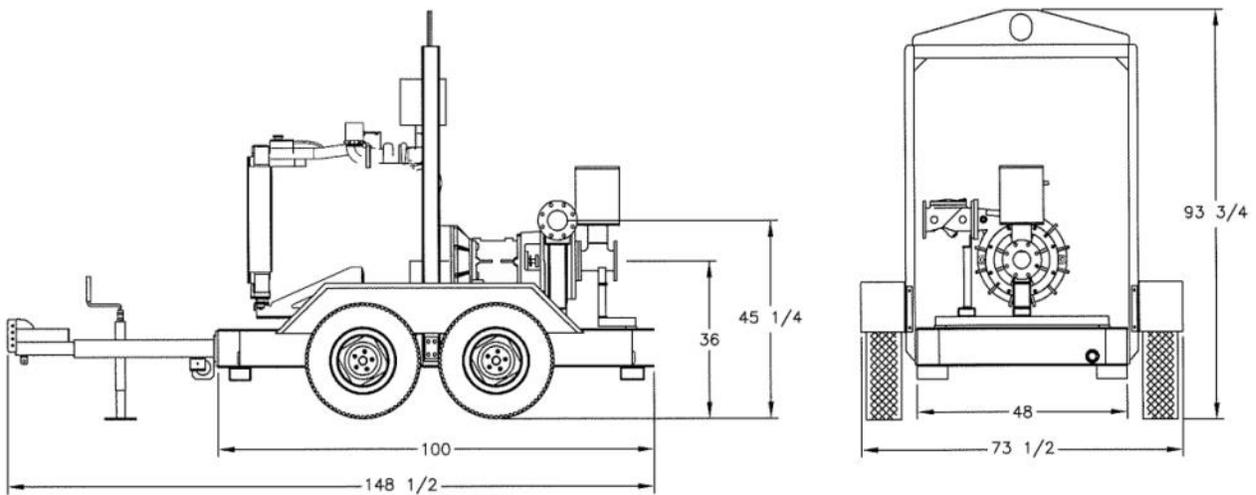
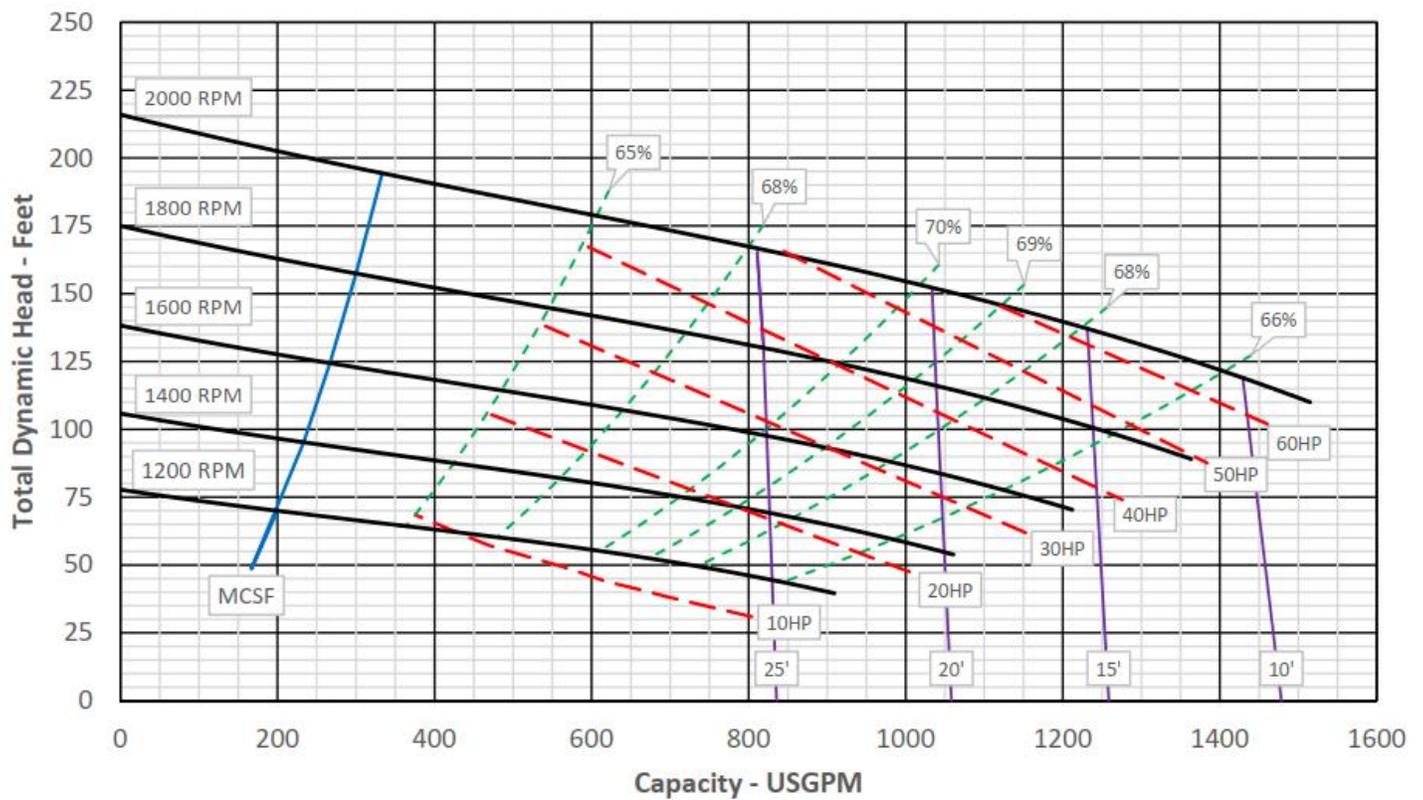
Consult factory for other options.

Pump End Materials	
Pump Casing	Heavy-duty class 30 ductile-iron.
Impeller	Dynamically balanced, non-clogging, enclosed, 65-45-12 ductile iron with rear-equalizing vanes to reduce axial loading and prolong seal and bearing life; diameter 12".
Mechanical Seal	Dry-running, grease or oil lubricated with Tungsten Carbide rotating and Silicon Carbide stationary seal faces. Single inside mounted, non- pusher type with self-adjusting elastomeric bellows. Other components are 304 stainless steel and Viton.
Head	Rugged, back pull out design, heavy-duty class 30 cast iron with tapered bore design.
Bearings	Heavy-duty grease lubricated to carry both axial and radial loads.
Bearing Frame	Heavy-duty class 30 ductile iron.
Shaft	SAE 1144 fitted with a 416 stainless steel shaft

Technical Specifications			
Suction Size	4 in (10.16 cm)	Approximate Dry Weight	2,800 lbs (1,270.06 kg)
Discharge Size	4 in (10.16 cm)	Best Efficiency	70%
Maximum Solids Handling	3 in (7.62 cm)	Maximum Operating Speed	2,000 rpm
Maximum Operating Temperature	200° F (93.33° C)	Maximum Operating Pressure	93.07 psi (641.72 kPa)

Fuel Tank Options*	Deutz		Cummins
Modular (M)	114 Gal	53 Hours	50 Hours
Double-Wall (D)	84 Gal	39 Hours	37 Hours
Modular Large Capacity (X)	200 Gal	93 Hours	88 Hours
Double-Wall Large Capacity (Z)	150 Gal	69 Hours	66 Hours

*Contact factory for fuel tank sizes not listed above.



Deutz TD3.6L4— 74 hp @ 2,400 rpm

Typical Operating Speed	2,000 rpm	Engine Speed	Fuel Economy	Run Time*
Maximum Head	215 ft (65.53 m)	2,000 rpm	0.371 lb/hp-hr	31 hrs
Maximum Flow Capacity	1,520 gpm (345.04 m ³ /hr)	1,800 rpm	0.366 lb/hp-hr	39 hrs
Maximum Fuel Consumption	3.6 gph (13.63 L/hr)	1,600 rpm	0.359 lb/hp-hr	53 hrs

Cummins QSF2.8—74 hp @ 2,400 rpm

Typical Operating Speed	2,000 rpm	Engine Speed	Fuel Economy	Run Time*
Maximum Head	215 ft (65.53 m)	2,000 rpm	0.369 lb/hp-hr	31 hrs
Maximum Flow Capacity	1,520 gpm (345.04 m ³ /hr)	1,800 rpm	0.369 lb/hp-hr	38 hrs
Maximum Fuel Consumption	3.58 gph (13.55 L/hr)	1,600 rpm	0.376 lb/hp-hr	50 hrs

*Engine run times calculated based on a 114 gallon fuel tank.

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