



Experience Innovation

## Model: 6" Vacuum-Assisted Solids Handling Pump

Name: 6JSVE

With its heavy-duty cast-iron construction and fast priming capabilities, the Thompson 6JSVE solids handling end suction centrifugal pump leads the industry in construction, industrial and municipal applications. The Thompson 6JSVE is designed for moderate flows up to 2,680 gpm and heads up to 190 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	
<b>Pump Casing</b>	Heavy-duty class 30 cast-iron.
<b>Impeller</b>	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".
<b>Mechanical Seal</b>	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.
<b>Head</b>	Rugged, back pull out design, heavy-duty class 30 cast iron with tapered bore design.
<b>Bearings</b>	Heavy-duty grease lubricated to carry both axial and radial loads.
<b>Bearing Frame</b>	Heavy-duty class 30 cast iron.
<b>Shaft</b>	High quality stress-proof steel.

Technical Specifications			
Suction Size	6 in (15.24 cm)	Approximate Dry Weight	3,500 lbs (1,587.57 kg)
Discharge Size	6 in (15.24 cm)	Best Efficiency	80%
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	82.3 psi (567.10 kPa)

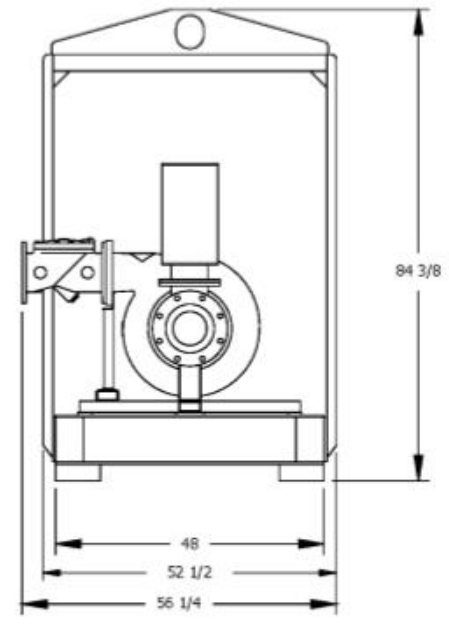
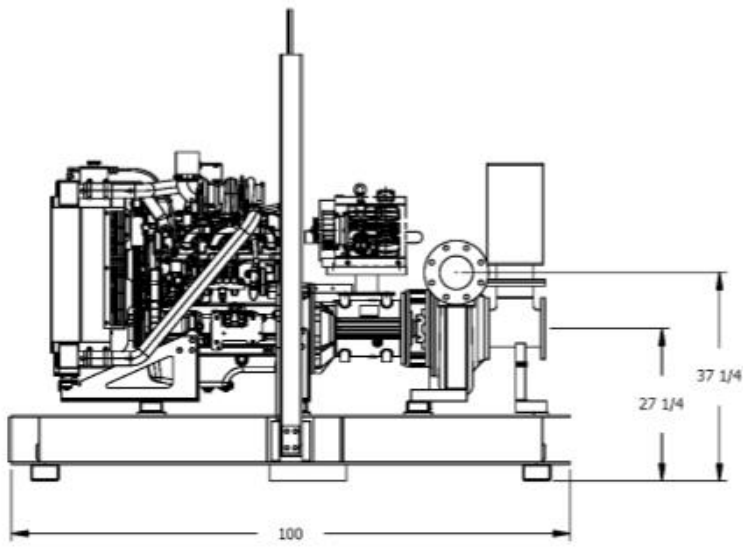
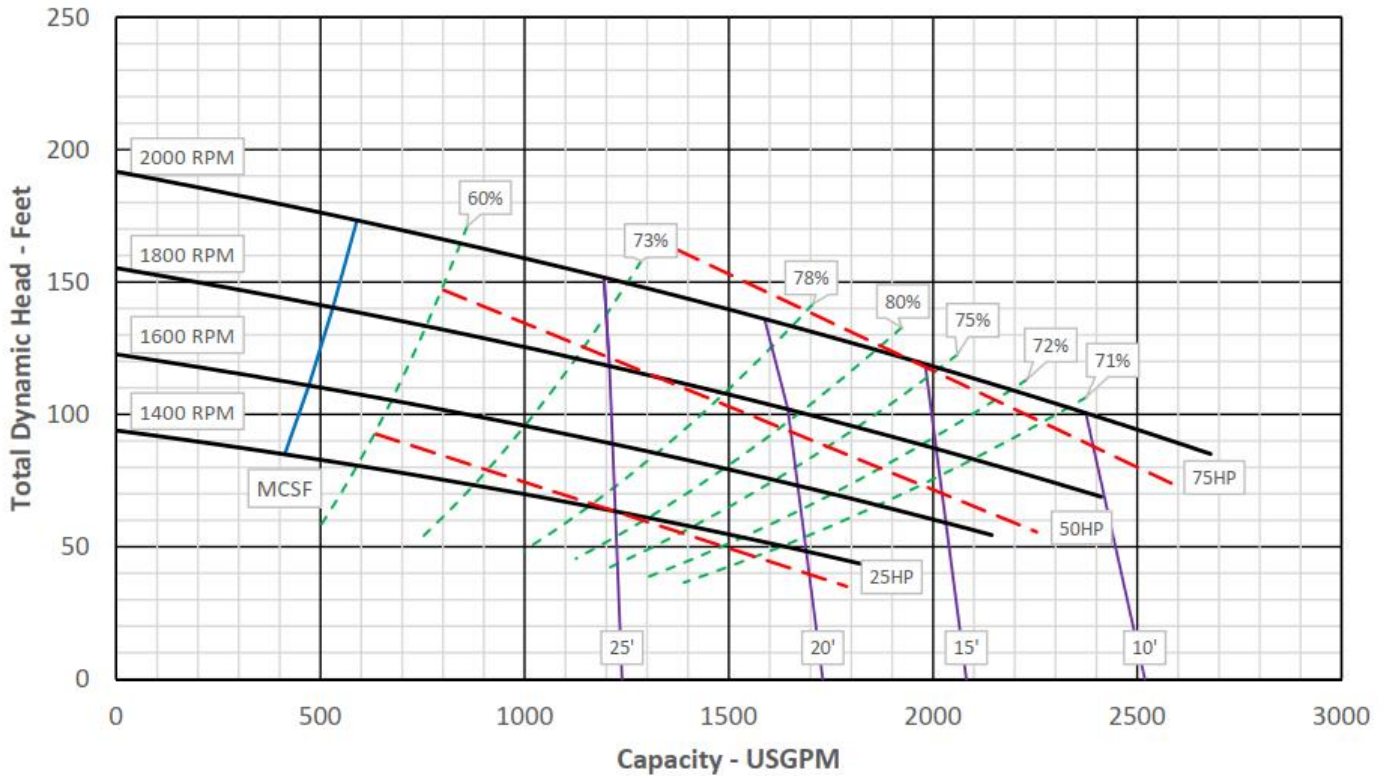
Fuel Tank Options*	Deutz		Cummins
Modular (M)	100 Gal	37 Hours	36 Hours
Double-Wall (D)	75 Gal	28 Hours	27 Hours
Modular Large Capacity (X)	150 Gal	56 Hours	54 Hours
Double-Wall Large Capacity (Z)	150 Gal	56 Hours	54 Hours

\*Contact factory for fuel tank sizes not listed above.

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Deutz TD3.6L4— 74 hp @ 2,400 rpm					
Typical Operating Speed	2,000 rpm	Engine Speed	2,000 rpm	Run Time*	23 hrs
Maximum Head	190 ft (57.91 m)	Fuel Economy	0.371 lb/hp-hr	Run Time*	23 hrs
Maximum Flow Capacity	2,680 gpm (608.36 m <sup>3</sup> /hr)	Fuel Economy	0.366 lb/hp-hr	Run Time*	27 hrs
Maximum Fuel Consumption	4.34 gph (16.43 L/hr)	Fuel Economy	0.359 lb-hp-hr	Run Time*	37 hrs

Cummins QSB2.8—74 hp @ 2,400 rpm					
Typical Operating Speed	2,000 rpm	Engine Speed	2,000 rpm	Run Time*	22 hrs
Maximum Head	190 ft (57.91 m)	Fuel Economy	0.387 lb/hp-hr	Run Time*	22 hrs
Maximum Flow Capacity	2,680 gpm (608.36 m <sup>3</sup> /hr)	Fuel Economy	0.378 lb/hp-hr	Run Time*	26 hrs
Maximum Fuel Consumption	4.52 gph (17.11 L/hr)	Fuel Economy	0.372 lb-hp-hr	Run Time*	36 hrs

\*Engine run times calculated based on a 100 gallon fuel tank.

Specifications and illustrations are subject to revision without notice and without incurring any obligation for previous or subsequent equipment sold. Thompson Pump (ISO 9001:2015) makes no representation regarding the completeness or accuracy of this information and is not liable for any direct or indirect damages arising from or relating to this information or its use. Capacity & Head are shown for comparative purposes. Consult Thompson factory for exact capabilities.