



Experience Innovation

Model: 8" Vacuum-Assisted Solids Handling Pump

Name: 8JSVE

With its heavy-duty cast-iron construction and fast priming capabilities, the Thompson 8JSVE solids handling end suction centrifugal pump leads the industry in construction, industrial and municipal applications. The Thompson 8JSVE is designed for moderate flows up to 3,200 gpm and heads up to 273 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 14".
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 cast iron.
Shaft	SAE 1144 steel shaft with 416 renewable stainless steel shaft sleeve.

Technical Specifications			
Suction Size	8 in (20.32 cm)	Approximate Dry Weight	5,475 lbs (2,483.42 kg)
Discharge Size	8 in (20.32 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	118.18 psi (814.83 kPa)

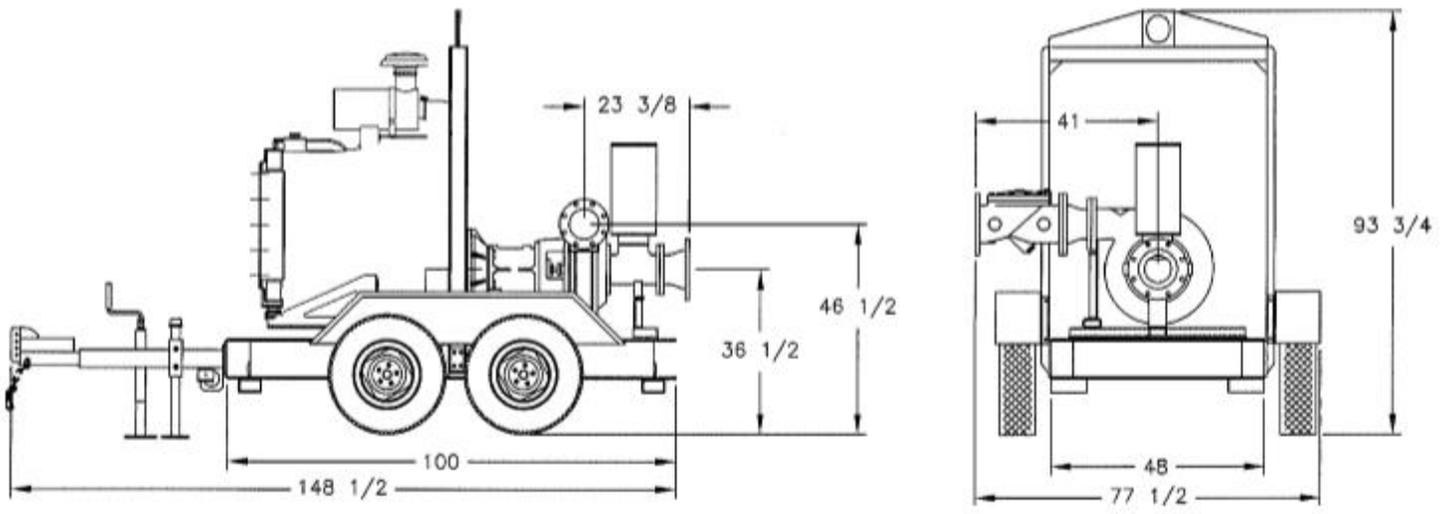
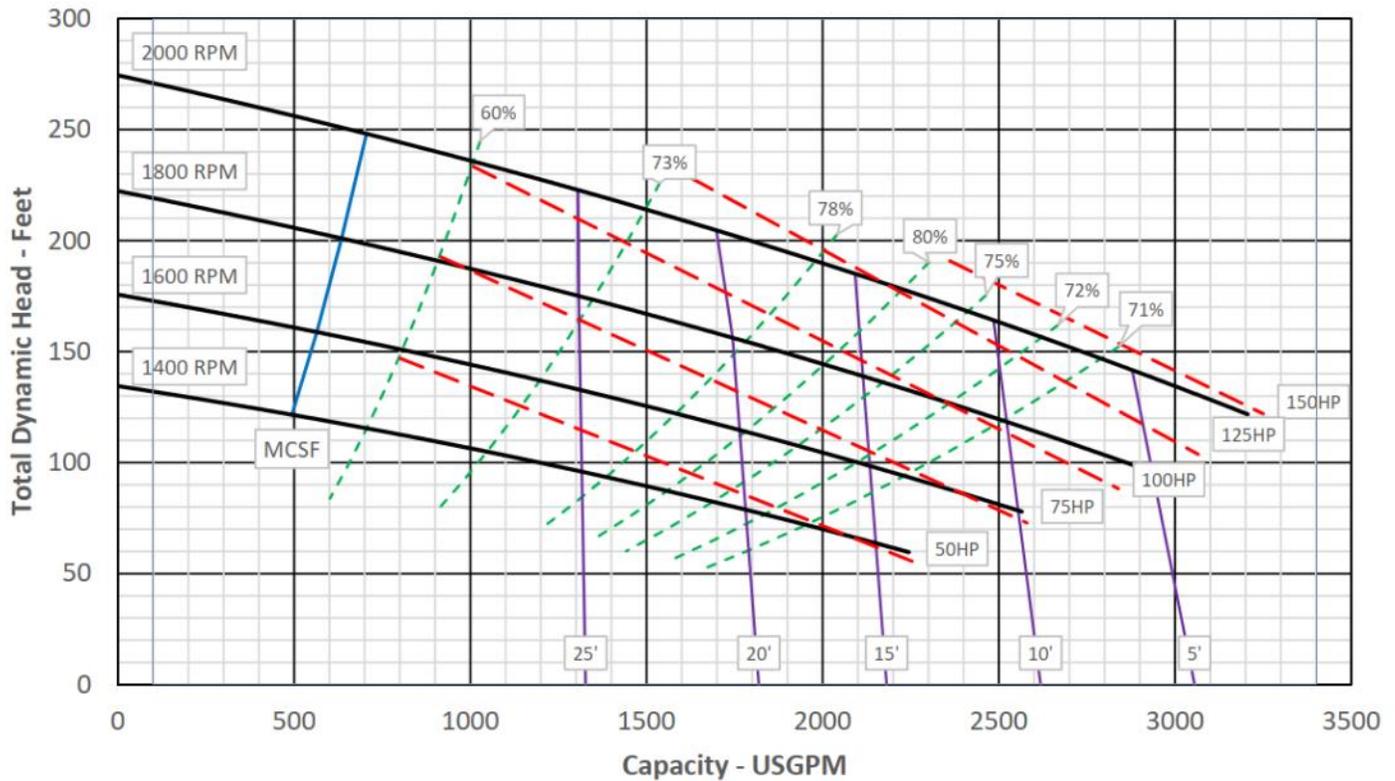
Fuel Tank Options*	Cummins	John Deere
Modular (M)	114 Gal	29 Hours
Double-Wall (D)	84 Gal	21 Hours
Modular Large Capacity (X)	200 Gal	51 Hours
Double-Wall Large Capacity (Z)	150 Gal	37 Hours

*Contact factory for fuel tank sizes not listed above.

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Cummins QSB4.5 — 140 hp @ 2,400 rpm					
Typical Operating Speed	2,000 rpm	Engine Speed	2,000 rpm	Run Time*	14 hrs
Maximum Head	273 ft (83.21 m)	Fuel Economy	0.344 lb/hp-hr	Run Time*	14 hrs
Maximum Flow Capacity	3,200 gpm (726.79 m ³ /hr)	Fuel Economy	0.340 lb/hp-hr	Run Time*	21 hrs
Maximum Fuel Consumption	7.6 gph (28.77 L/hr)	Fuel Economy	0.334 lb-hp-hr	Run Time*	29 hrs

John Deere 45HC04 — 134 hp @ 2,400 rpm					
Typical Operating Speed	2,000 rpm	Engine Speed	2,000 rpm	Run Time*	14 hrs
Maximum Head	273 ft (83.21 m)	Fuel Economy	0.354 lb/hp-hr	Run Time*	14 hrs
Maximum Flow Capacity	3,200 gpm (726.79 m ³ /hr)	Fuel Economy	0.348 lb/hp-hr	Run Time*	20 hrs
Maximum Fuel Consumption	7.82 gph (29.6 L/hr)	Fuel Economy	0.341 lb-hp-hr	Run Time*	28 hrs

*Engine run times calculated based on a 114 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.