



Experience Innovation

Model: 18" Vacuum-Assisted Solids Handling Pump

Name: 18JSVJ

With its heavy-duty cast-iron construction and fast priming capabilities, the Thompson 18JSVJ solids handling end suction centrifugal pump leads the industry in construction, industrial and municipal applications. The Thompson 18JSVJ is designed for moderate flows up to 9,790 gpm and heads up to 240 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 cast-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	High quality stress-proof steel with a renewable 416 stainless steel shaft sleeve.

Technical Specifications			
Suction Size	18 in (45.72 cm)	Approximate Dry Weight	9,700 lbs (4,399.84 kg)
Discharge Size	18 in (45.72 cm)	Best Efficiency	78%
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	103.89 psi (716.39 kPa)

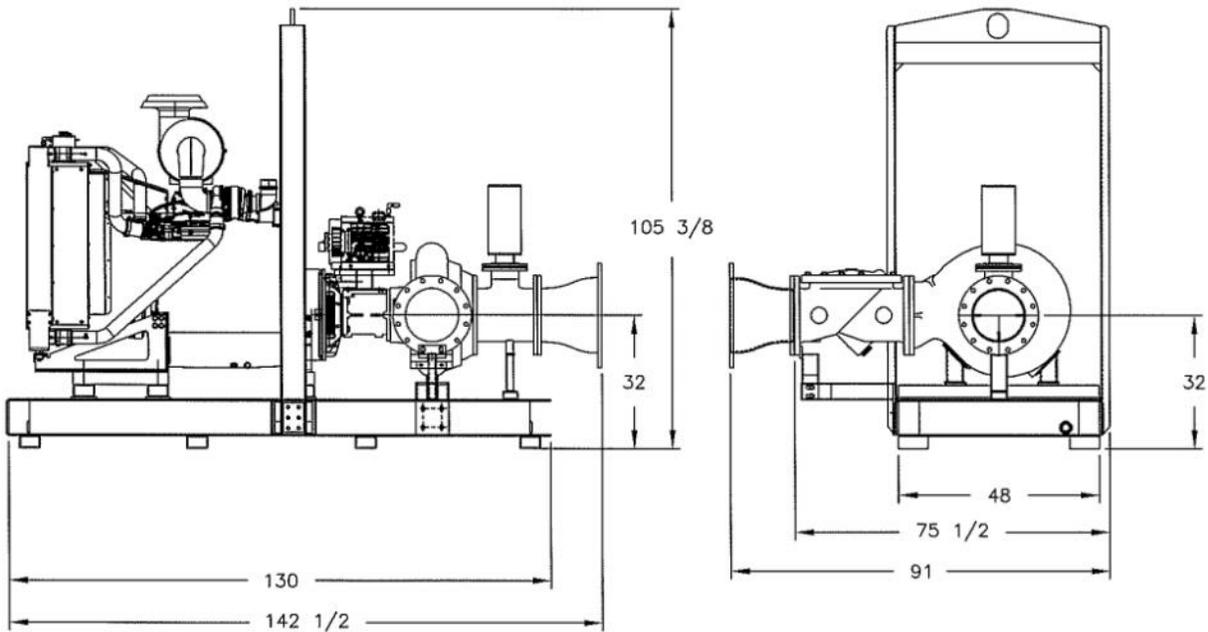
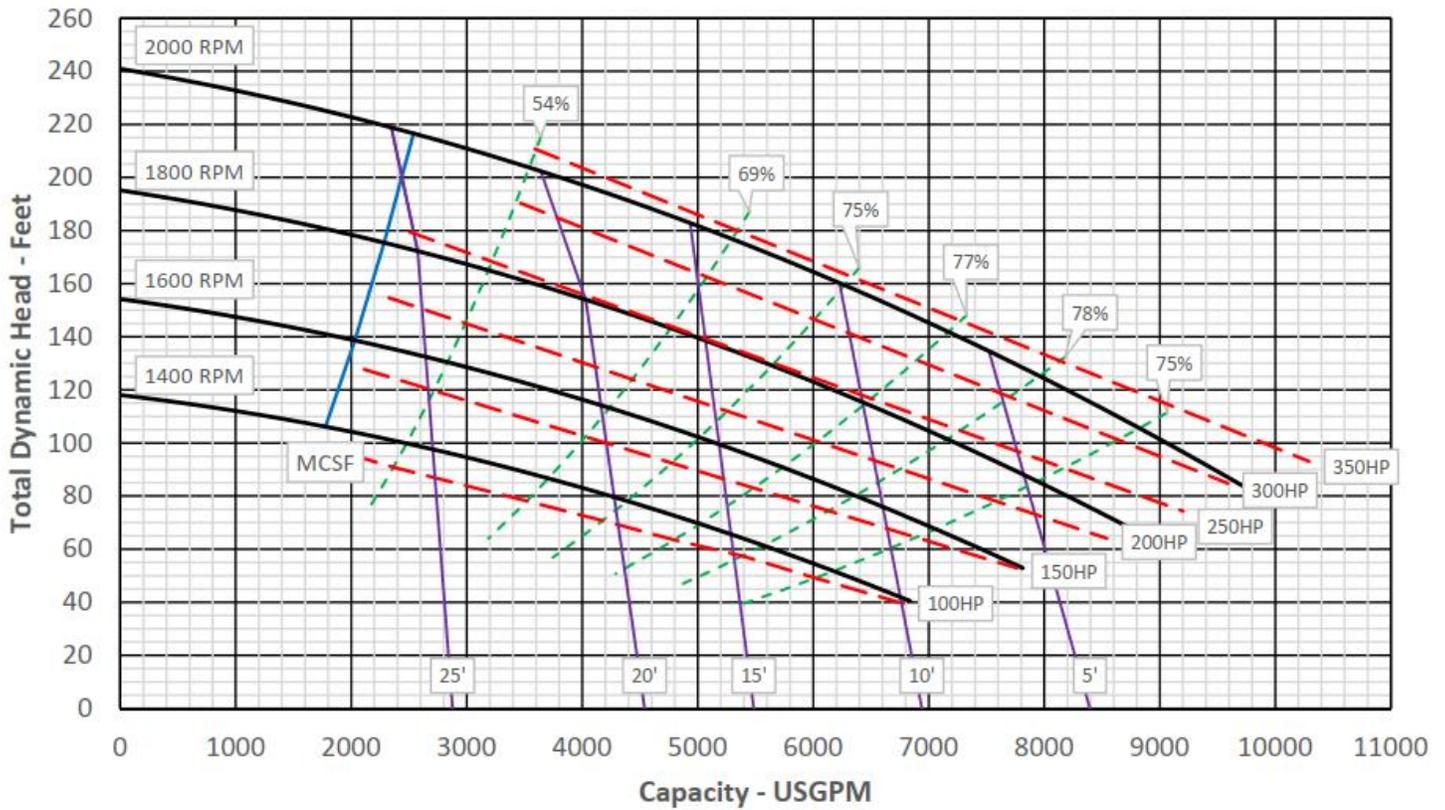
Fuel Tank Options*		Volvo	
Modular (M)	150 Gal	17 Hours	
Double-Wall (D)	112 Gal	12 Hours	
Modular Large Capacity (X)	260 Gal	29 Hours	
Double-Wall Large Capacity (Z)	275 Gal	31 Hours	

*Contact factory for fuel tank sizes not listed above.

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Jul-20



Volvo TAD873VE — 320 hp @ 2,400 rpm

Typical Operating Speed	2,000 rpm	Engine Speed	Fuel Economy	Run Time*
Maximum Head	240 ft (73.15 m)	2,000 rpm	0.339 lb/hp-hr	8 hrs
Maximum Flow Capacity	9,790 gpm (2,222.33 m ³ /hr)	1,800 rpm	0.330 lb/hp-hr	12 hrs
Maximum Fuel Consumption	16.92 gph (64.05 L/hr)	1,600 rpm	0.329 lb-hp-hr	17 hrs

*Engine run times calculated based on a 150 gallon fuel tank.

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