



Experience Innovation

## Model: 12" Vacuum-Assisted Solids Handling Pump

Name: 12JSVJ

With its heavy-duty cast-iron construction and fast priming capabilities, the Thompson 12JSVG solids handling end suction centrifugal pump leads the industry in construction, industrial and municipal applications. The Thompson 12JSVG is designed for moderate flows up to 5,180 gpm and heads up to 340 feet making it perfect for sewage bypass pumping or general construction dewatering.



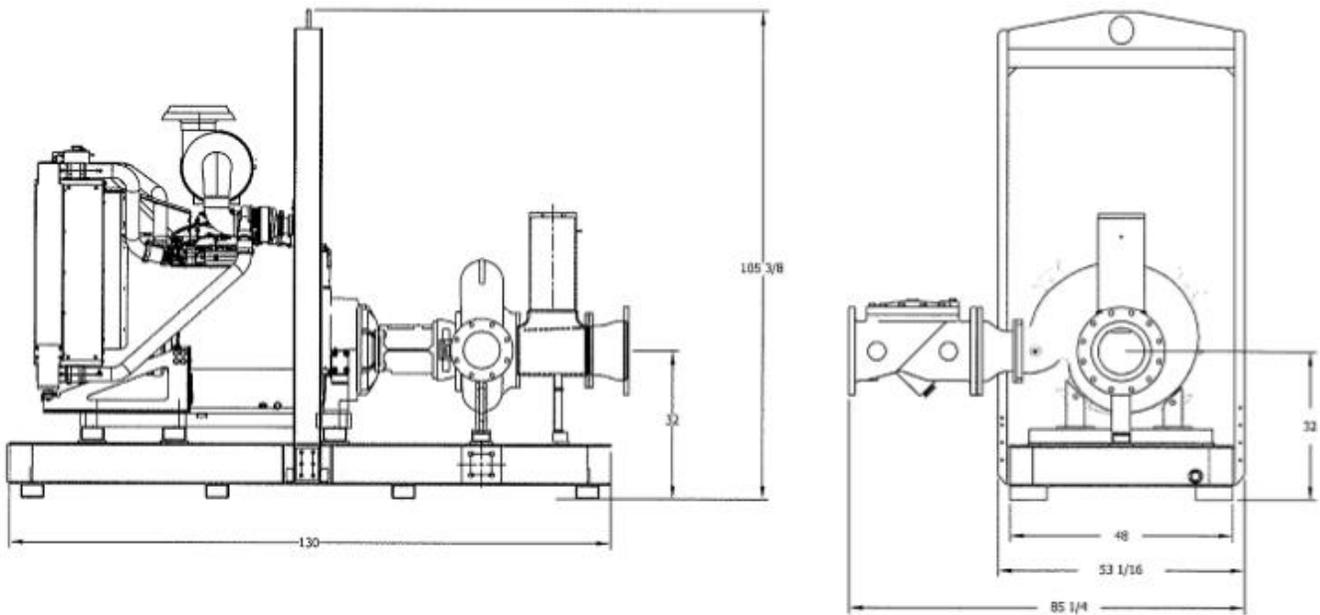
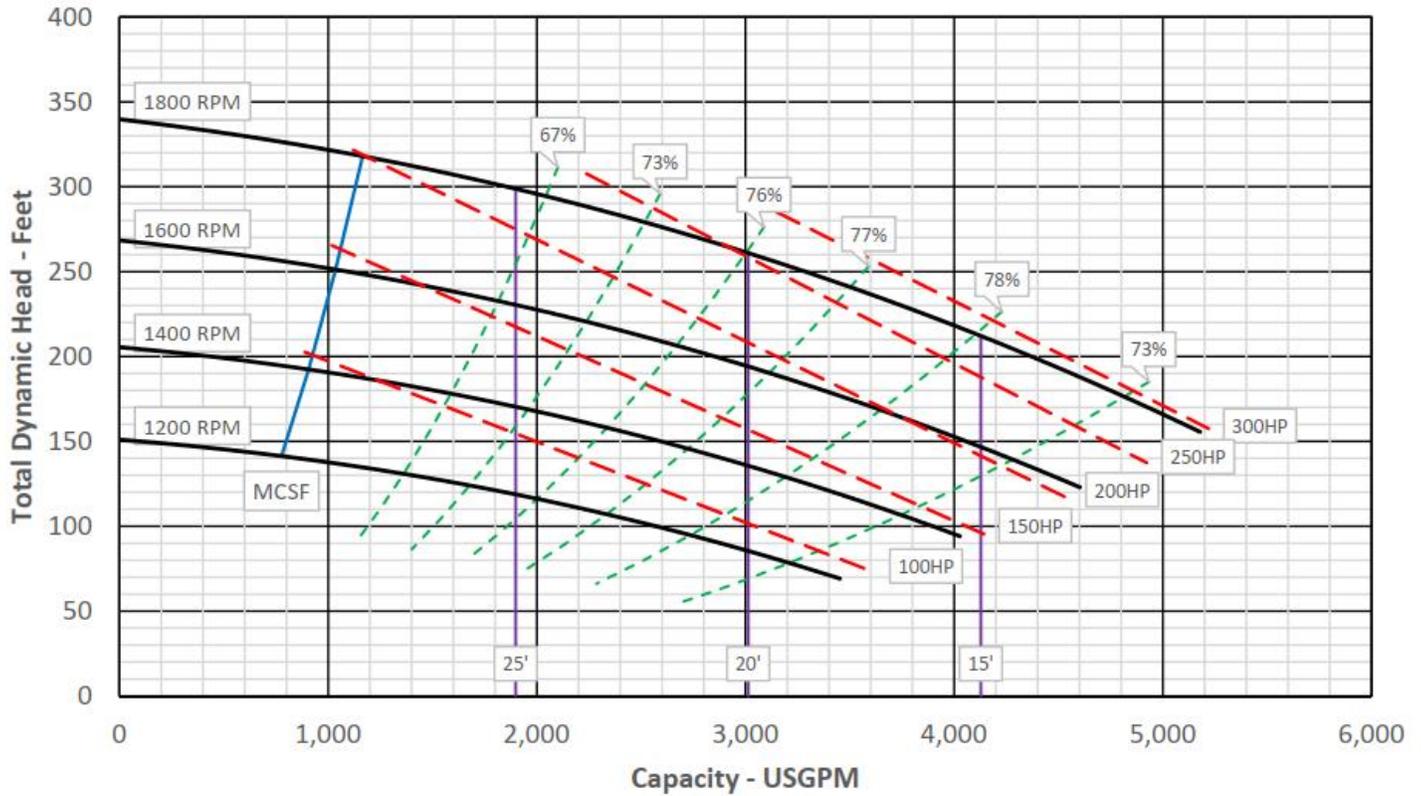
Photo shown may not be exact model.  
Consult factory for other options

Pump End Materials	
<b>Pump Casing</b>	Heavy-duty class 30 ductile-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 17.5".
<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 ductile 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 ductile iron.
<b>Shaft</b>	SAE1144 high quality stress-proof steel with 416

Technical Specifications			
Suction Size	12 in (30.48 cm)	Approximate Dry Weight	8,450 lbs (2,703 kg)
Discharge Size	12 in (30.48 cm)	Best Efficiency	78%
Maximum Solids Handling	3 in (7.62 cm)	Maximum Operating Speed	1,800 rpm
Maximum Operating Temperature	200° F (93.33° C)	Maximum Operating Pressure	147 psi (1,015 kPa)

Fuel Tank Options*	Deutz	
Modular (M)	150 Gal	21 Hours
Double-Wall (D)	112 Gal	15 Hours
Modular Large Capacity (X)	250 Gal	35 Hours
Double-Wall Large Capacity (Z)	235 Gal	33 Hours

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



### Deutz TCD9.0L4— 320 hp @ 2,200 rpm

Typical Operating Speed	1,800 rpm	Engine Speed	Fuel Economy	Run Time*
Maximum Head	340 ft (103.6 m)	1,800 rpm	0.330 lb/hp-hr	10 hrs
Maximum Flow Capacity	5,180 gpm (1,176 m <sup>3</sup> /hr)	1,600 rpm	0.324 lb/hp-hr	14 hrs
Maximum Fuel Consumption	14.82 gph (56.11 L/hr)	1,400 rpm	0.317 lb-hp-hr	21 hrs

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

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