



Experience Innovation

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

Name: 12JSVJ

With its heavy-duty cast-iron construction and fast priming capabilities, the Thompson 12JSVJ solids handling end suction centrifugal pump leads the industry in construction, industrial and municipal applications. The Thompson 12JSVJ is designed for moderate flows up to 7,550 gpm and heads up to 110 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 12.88" x 27°.
<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>	SAE1144 high quality stress-proof steel with 416

### Technical Specifications

Suction Size	12 in (30.48 cm)	Approximate Dry Weight	6,500 lbs (2,948.35 kg)
Discharge Size	12 in (30.48 cm)	Best Efficiency	73%
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	47 psi (324.05 kPa)

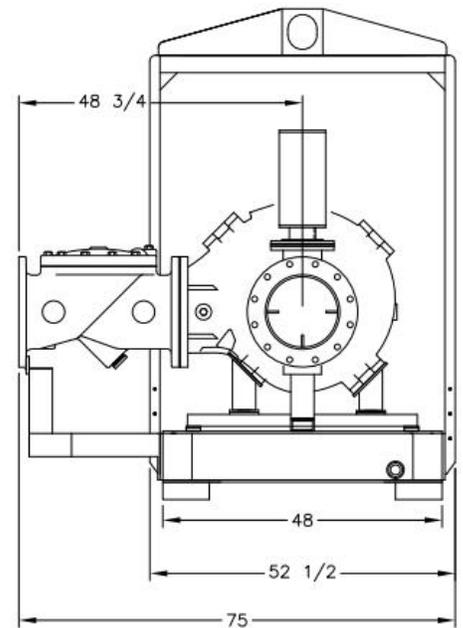
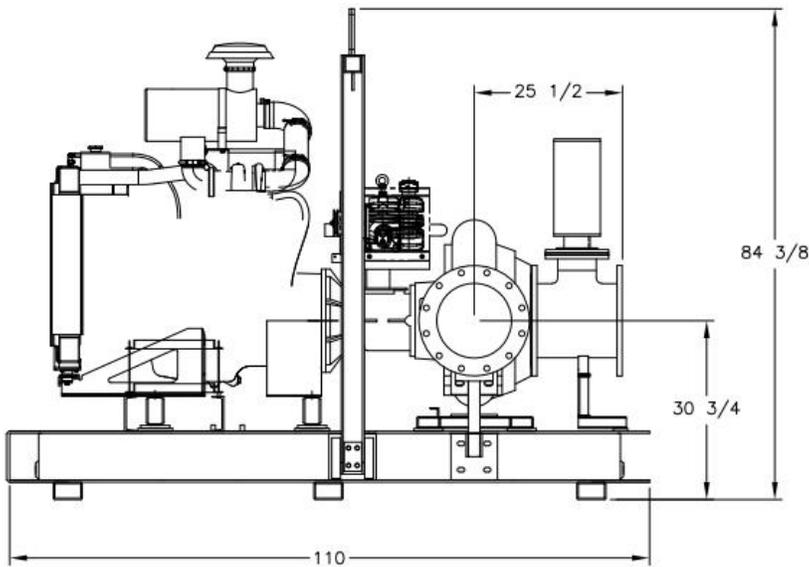
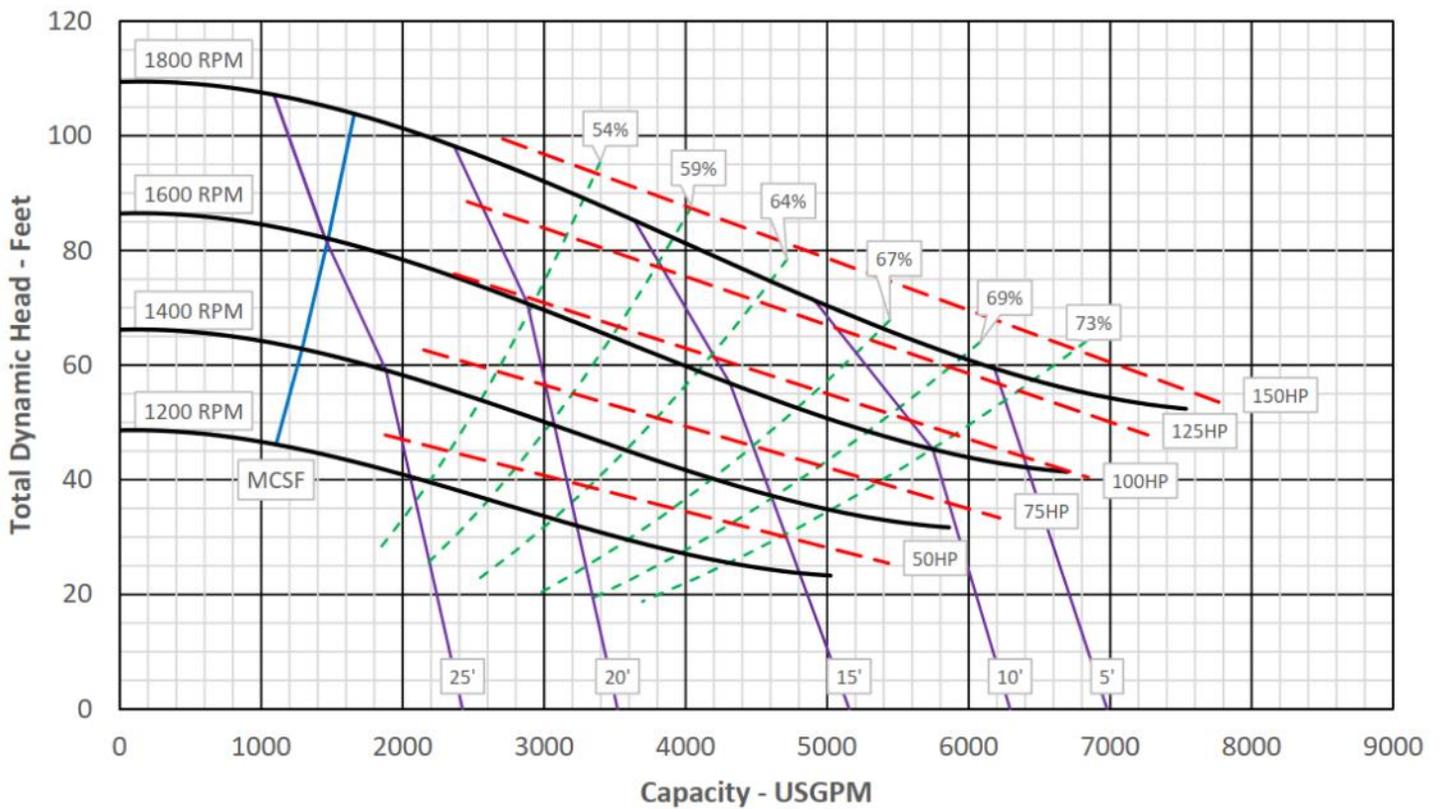
### Fuel Tank Options\*

		John Deere
Modular (M)	127 Gal	37 Hours
Double-Wall (D)	94 Gal	27 Hours
Modular Large Capacity (X)	200 Gal	58 Hours
Double-Wall Large Capacity (Z)	145 Gal	42 Hours

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

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**John Deere 4045HFC04— 139 hp @ 2,200 rpm**

Typical Operating Speed	1,800 rpm	Engine Speed	Fuel Economy	Run Time*
Maximum Head	110 ft (33.53 m)	1,800 rpm	0.351 lb/hp-hr	17 hrs
Maximum Flow Capacity	7,550 gpm (1,714 m <sup>3</sup> /hr)	1,600 rpm	0.345 lb/hp-hr	23 hrs
Maximum Fuel Consumption	7.26 gph (27.48 L/hr)	1,400 rpm	0.342 lb-hp-hr	37 hrs

\*Engine run times calculated based on a 127 gallon fuel tank.

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