



Experience Innovation

Model: 4" Compressor-Assisted Solids Handling Pump

Name: 4JSCD

With its heavy-duty cast-iron construction and fast priming capabilities, the Thompson 4JSCD solids handling end suction centrifugal pump leads the industry in construction, industrial and municipal applications. The Thompson 4JSCD is designed for moderate flows up to 1,460 gpm and heads up to 340 feet making it perfect for sewage bypass pumping or general construction dewatering.



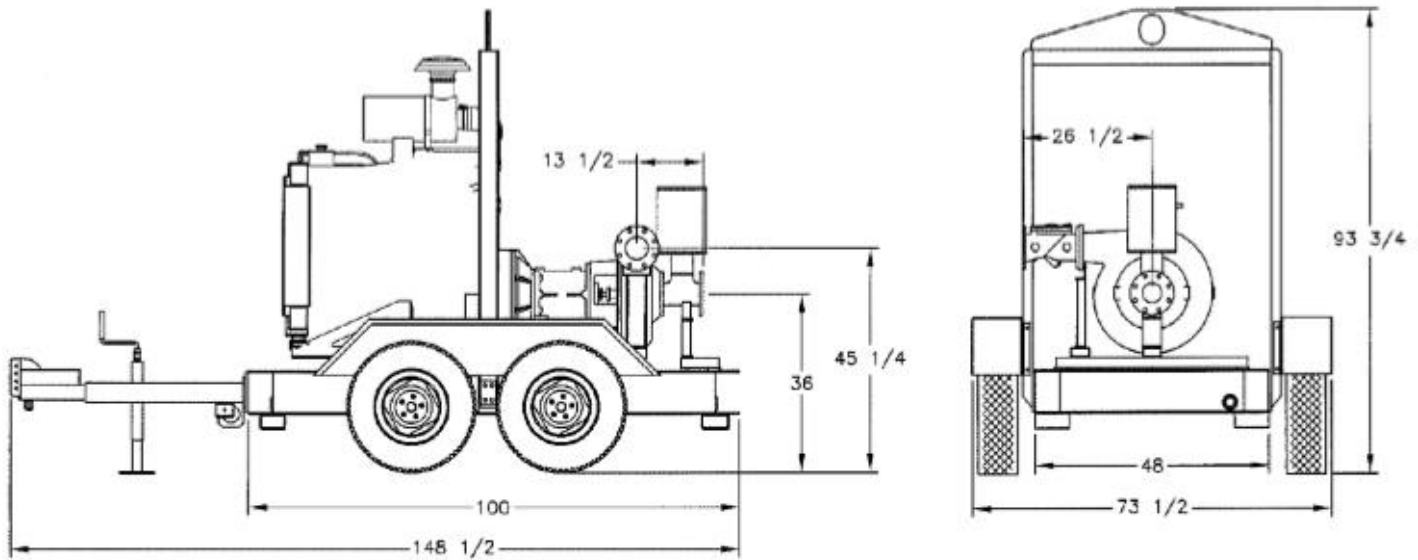
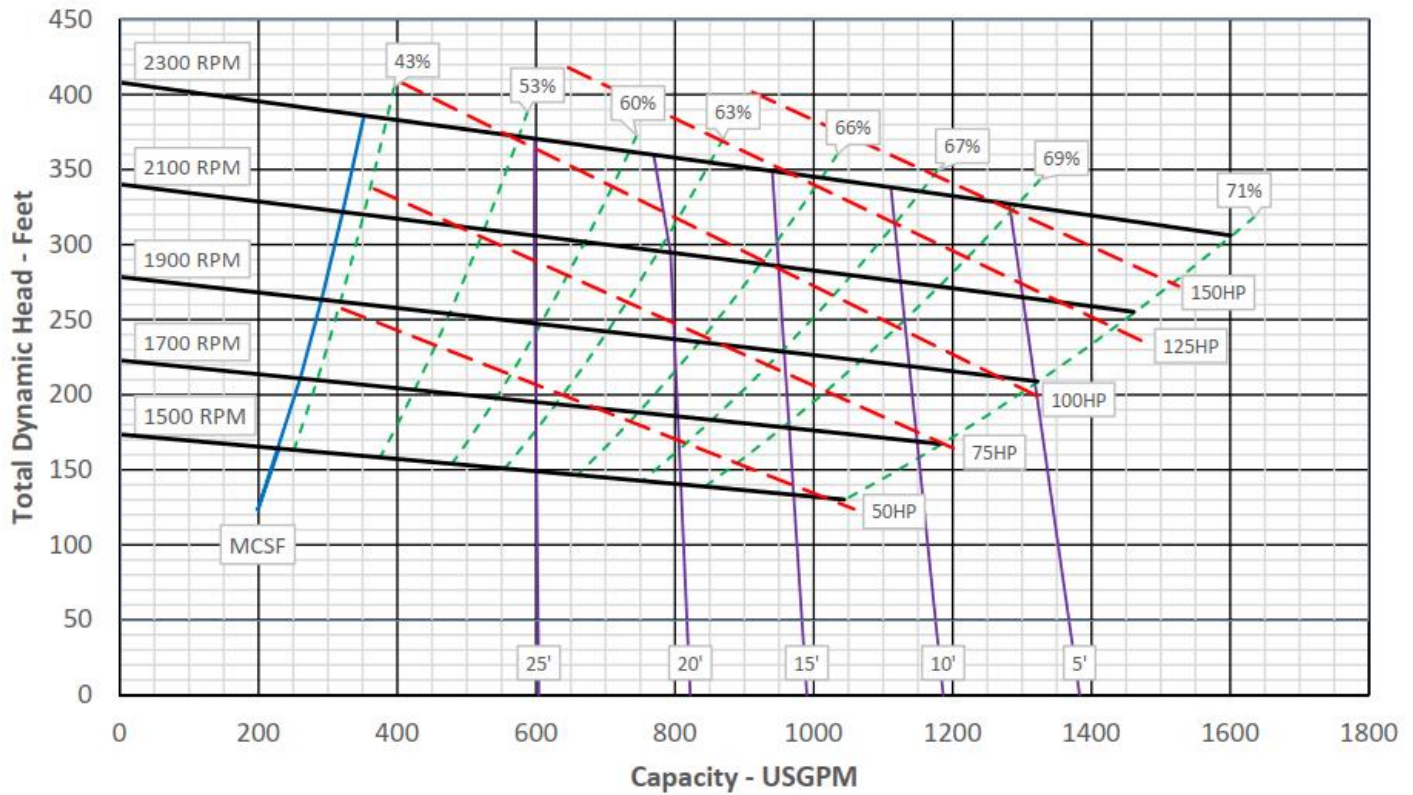
Photo shown may not be exact model.
Consult factory for other options

Pump End Materials	
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 ductile iron.
Shaft	SAE 1144 fitted with a 416 stainless steel shaft

Technical Specifications			
Suction Size	4 in (10.16 cm)	Approximate Dry Weight	5,270 lbs (2,390.43 kg)
Discharge Size	4 in (10.16 cm)	Best Efficiency	71%
Maximum Solids Handling	3 in (7.62 cm)	Maximum Operating Speed	2,100 rpm
Maximum Operating Temperature	200° F (93.33° C)	Maximum Operating Pressure	147 psi (1,013.5 kPa)

Fuel Tank Options*		John Deere	
Modular (M)	114 Gal	25 Hours	
Double-Wall (D)	84 Gal	18 Hours	
Modular Large Capacity (X)	150 Gal	33 Hours	
Double-Wall Large Capacity (Z)	200 Gal	45 Hours	

*Contact factory for fuel tank sizes not listed above.



John Deere 4045HFC04— 139 hp @ 2,400 rpm

Typical Operating Speed	2,100 rpm	Engine Speed	Fuel Economy	Run Time*
Maximum Head	340 ft (103.6 m)	2,100 rpm	0.362 lb/hp-hr	16 hrs
Maximum Flow Capacity	1,460 gpm (331.6 m ³ /hr)	1,900 rpm	0.352 lb/hp-hr	19 hrs
Maximum Fuel Consumption	6.97 gph (26.38 L/hr)	1,700 rpm	0.345 lb-hp-hr	25 hrs

*Engine run times calculated based on a 114 gallon fuel tank.

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