Model: 8” Compressor-Assisted Solids Handling Pump

Name: 8JSC-HP

With its heavy-duty cast-iron construction and fast priming capabilities, the Thompson 8JSC-HP solids handling end suction centrifugal pump leads the industry in construction, industrial and municipalapplications. The Thompson 8JSC-HP 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 including but not limited to trailers and stainless steel impellers.

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 steel fitted with a 416 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	28 Hours
Double-Wall (D)	84 Gal	21 Hours	21 Hours
Modular Large Capacity (X)	200 Gal	51 Hours	50 Hours
Double-Wall Large Capacity (Z)	150 Gal	38 Hours	37 Hours

*Contact factory for fuel tank sizes not listed above.

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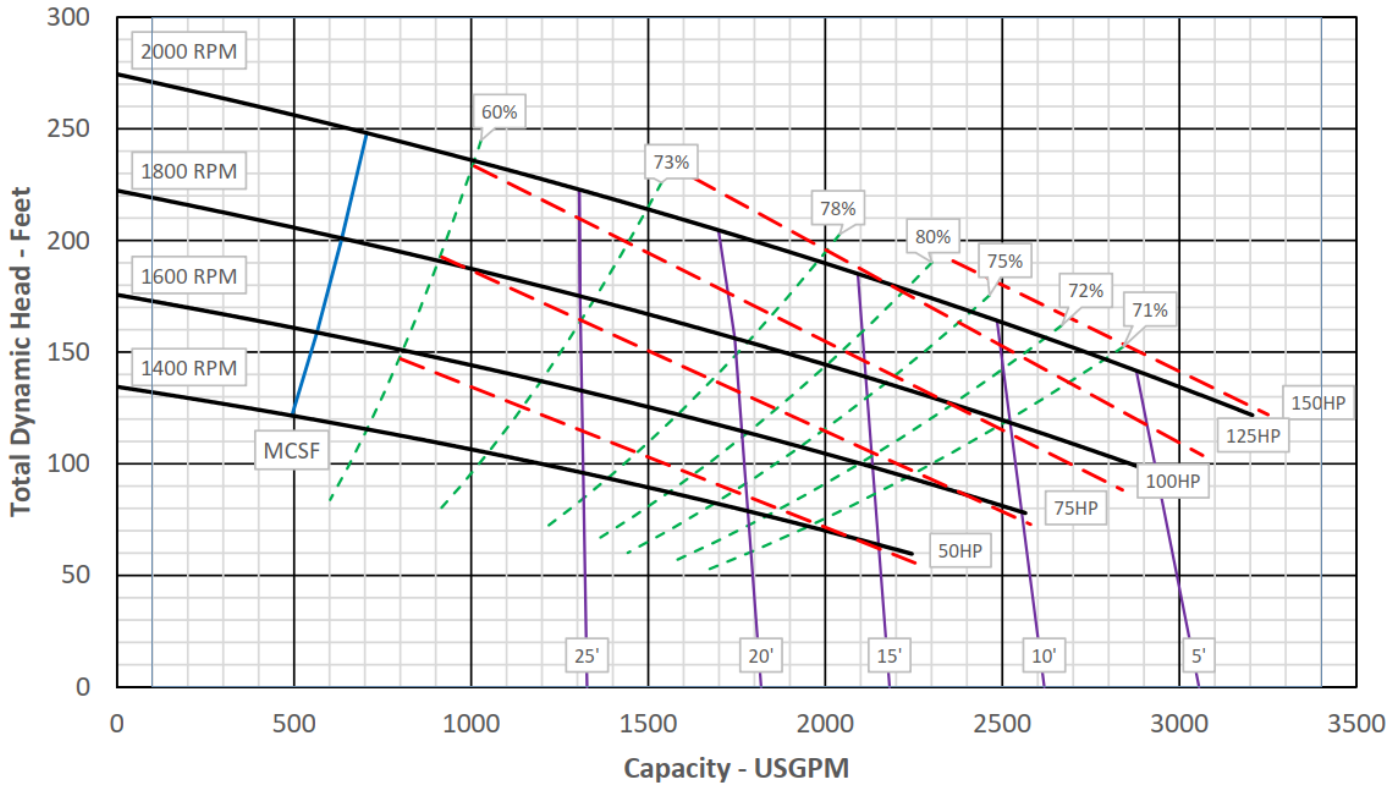

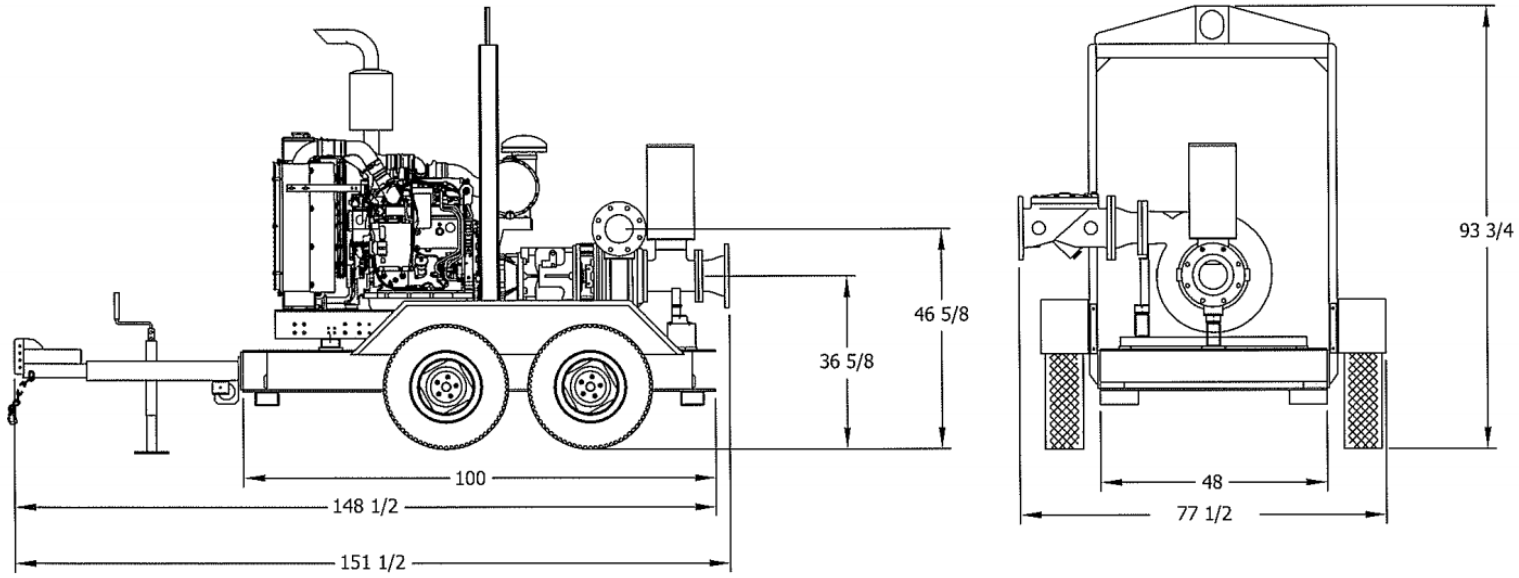

Cummins QSB4.5 — 140 hp @ 2,400 rpm				
Typical Operating Speed	2,000 rpm	**Engine Speed**	**Fuel Economy**	**Run Time***
Maximum Head	273 ft (83.21 m)	2,000 rpm	0.344 lb/hp-hr	14 hrs
Maximum Flow Capacity	3,200 gpm (726.79 m^3/hr)	1,800 rpm	0.340 lb/hp-hr	21 hrs
Maximum Fuel Consumption	7.6 gph (28.77 L/hr)	1,600 rpm	0.334 lb-hp-hr	29 hrs

John Deere 45HC04 — 134 hp @ 2,400 rpm				
Typical Operating Speed	2,000 rpm	**Engine Speed**	**Fuel Economy**	**Run Time***
Maximum Head	273 ft (83.21 m)	2,000 rpm	0.354 lb/hp-hr	14 hrs
Maximum Flow Capacity	3,200 gpm (726.79 m^3/hr)	1,800 rpm	0.348 lb/hp-hr	20 hrs
Maximum Fuel Consumption	7.82 gph (29.6 L/hr)	1,600 rpm	0.341 lb-hp-hr	28 hrs

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