



Experience Innovation

18" Compressor-Assisted Solids Handling Pump

18JSCK

With its heavy-duty cast-iron construction and fast priming capabilities, this solids handling jet pump leads the industry in construction, industrial and municipal applications. The Thompson 18JSCK is designed for high flows to 10,500 gpm and heads to 130 feet making it perfect for sewage bypass pumping or general construction dewatering.



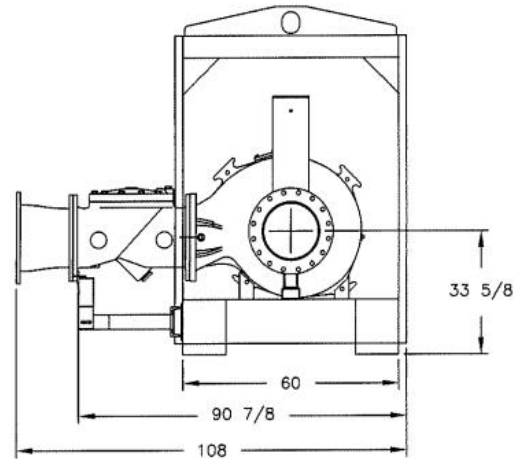
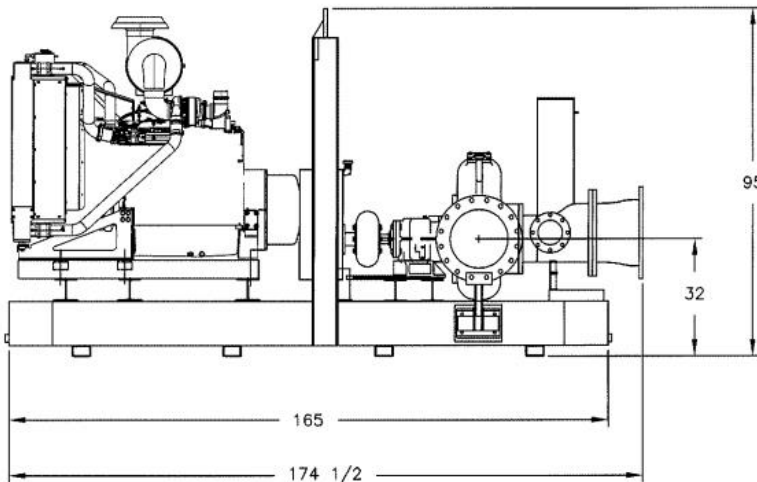
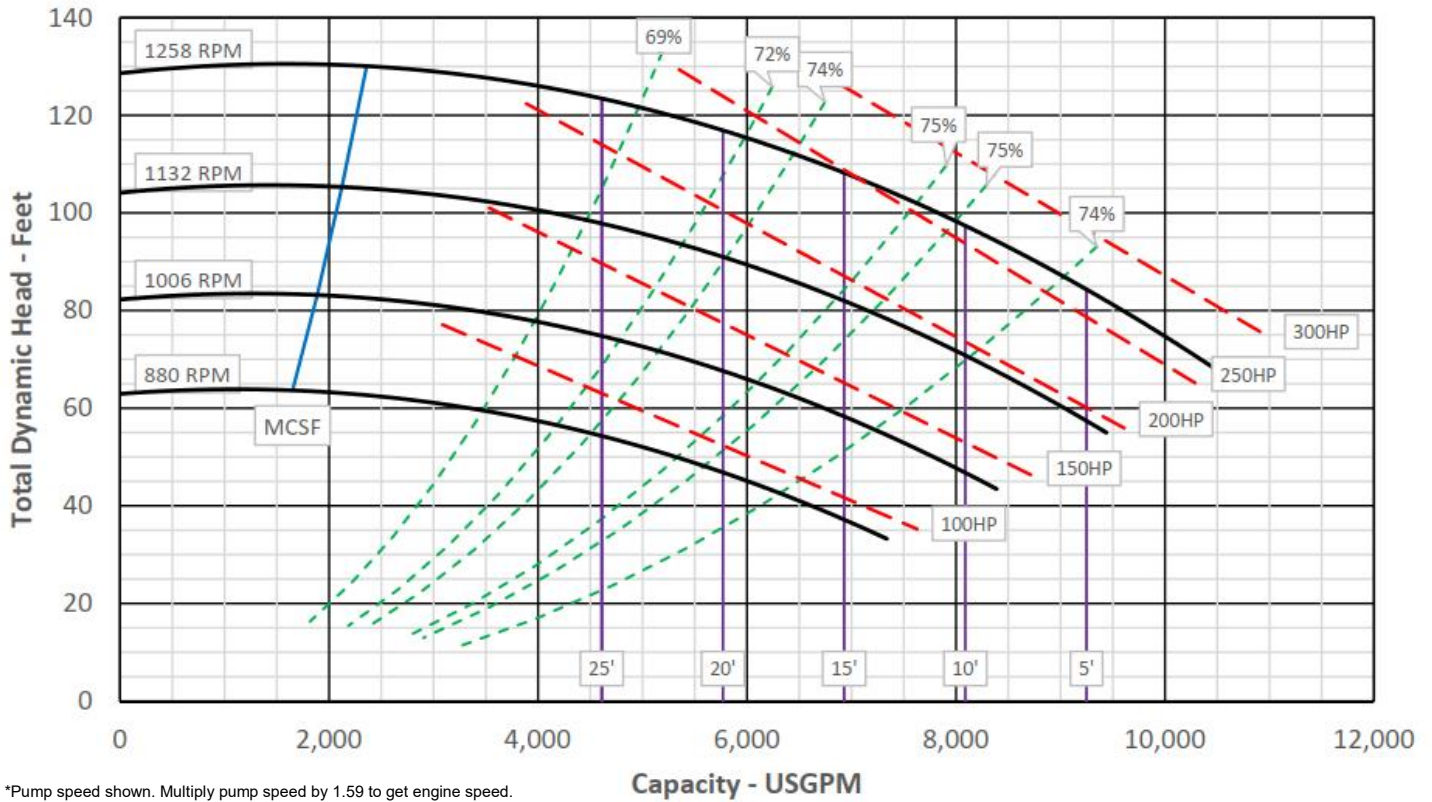
Photo may not be exact model show.
Consult factory for other versions.

Pump End Materials	
Pump Casing	Heavy-duty class 30 ductile-iron.
Impeller	Dynamically balanced, non-clogging, enclosed, class 30 cast iron with rear-equalizing vanes to reduce axial loading and prolong seal and bearing life; Diameter 17.5".
Mechanical Seal	3" dry-running, oil or grease 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 & Frame	Heavy-duty grease lubricated to carry both axial and radial loads. Frame, heavy-duty class 30 cast iron.
Shaft	SAE 1144 steel fitted with a renewable 416 stainless steel shaft sleeve.

Technical Specifications			
Suction Size	18 in (45.72cm)	Approximate Dry Weight	14,000 lbs (6,349 kg)
Discharge Size	18 in (45.72 cm)	Best Efficiency	75%
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	56.3 psi (388.02 kPa)

Fuel Tank Options*	Volvo	Cummins	Deutz
Modular (M)	220 Gal	24 Hours	27 Hours

*Contact factory for fuel tank sizes not listed above.



Volvo 873VE— 320 hp @ 2,000 rpm

Typical Operating Speed	2,000 rpm	Engine Speed	2,000 rpm	Fuel Economy	0.342 lb/hp-hr	Run Time*	16 hrs
Maximum Head	130 ft (39.62 m)	2,000 rpm	0.342 lb/hp-hr	20 hrs			
Maximum Flow Capacity	10,500 gpm (2,385 m ³ /hr)	1,800 rpm	0.332 lb/hp-hr	26 hrs			
Maximum Fuel Consumption	13.06 gph (51.67 L/hr)	1,600 rpm	0.328 lb-hp-hr				

Cummins QSL9—320 hp @ 1,800 rpm

Typical Operating Speed	2,000 rpm	Engine Speed	2,000 rpm	Fuel Economy	0.377 lb/hp-hr	Run Time*	14 hrs
Maximum Head	130 ft (39.62 m)	2,000 rpm	0.377 lb/hp-hr	18 hrs			
Maximum Flow Capacity	10,500 gpm (2,385 m ³ /hr)	1,800 rpm	0.363 lb/hp-hr	24 hrs			
Maximum Fuel Consumption	15.05 gph (56.97 L/hr)	1,600 rpm	0.353 lb-hp-hr				

Deutz TCD9.0L4—307 hp @ 2,100 rpm

Typical Operating Speed	2,000 rpm	Engine Speed	2,000 rpm	Fuel Economy	0.338 lb/hp-hr	Run Time*	16 hrs
Maximum Head	130 ft (39.62 m)	2,000 rpm	0.338 lb/hp-hr	20 hrs			
Maximum Flow Capacity	10,500 gpm (2,385 m ³ /hr)	1,800 rpm	0.330 lb/hp-hr	27 hrs			
Maximum Fuel Consumption	13.49 gph (51.07 L/hr)	1,600 rpm	0.324 lb-hp-hr				

*Engine run times calculated based on a 220 gallon fuel tank.

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