

With its heavy-duty ductile iron construction, ability to dry-prime and re-prime automatically, this end-suction centrifugal pump leads the industry in construction, industrial and mining applications. The Thompson 6JSCEN-DJDST-45T-M Solids Handling Pump is designed for high flows and heads to 168 feet making it perfect for sewage bypass pumping or general construction dewatering. The 6JSCEN-DJDST-45T-M pump provides flow rates to 2,500 gpm and solids handling to 3".



Consult factory for other versions & options including site trailers, sound attenuation, etc.

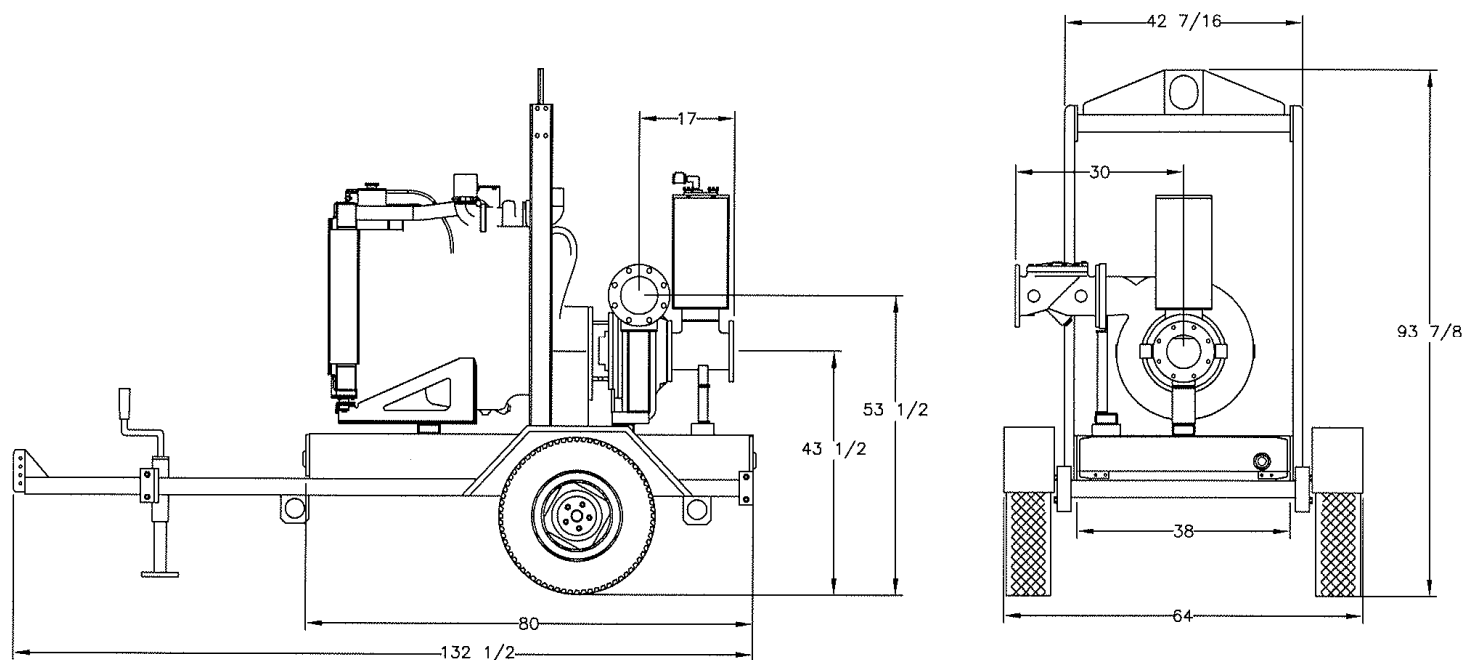
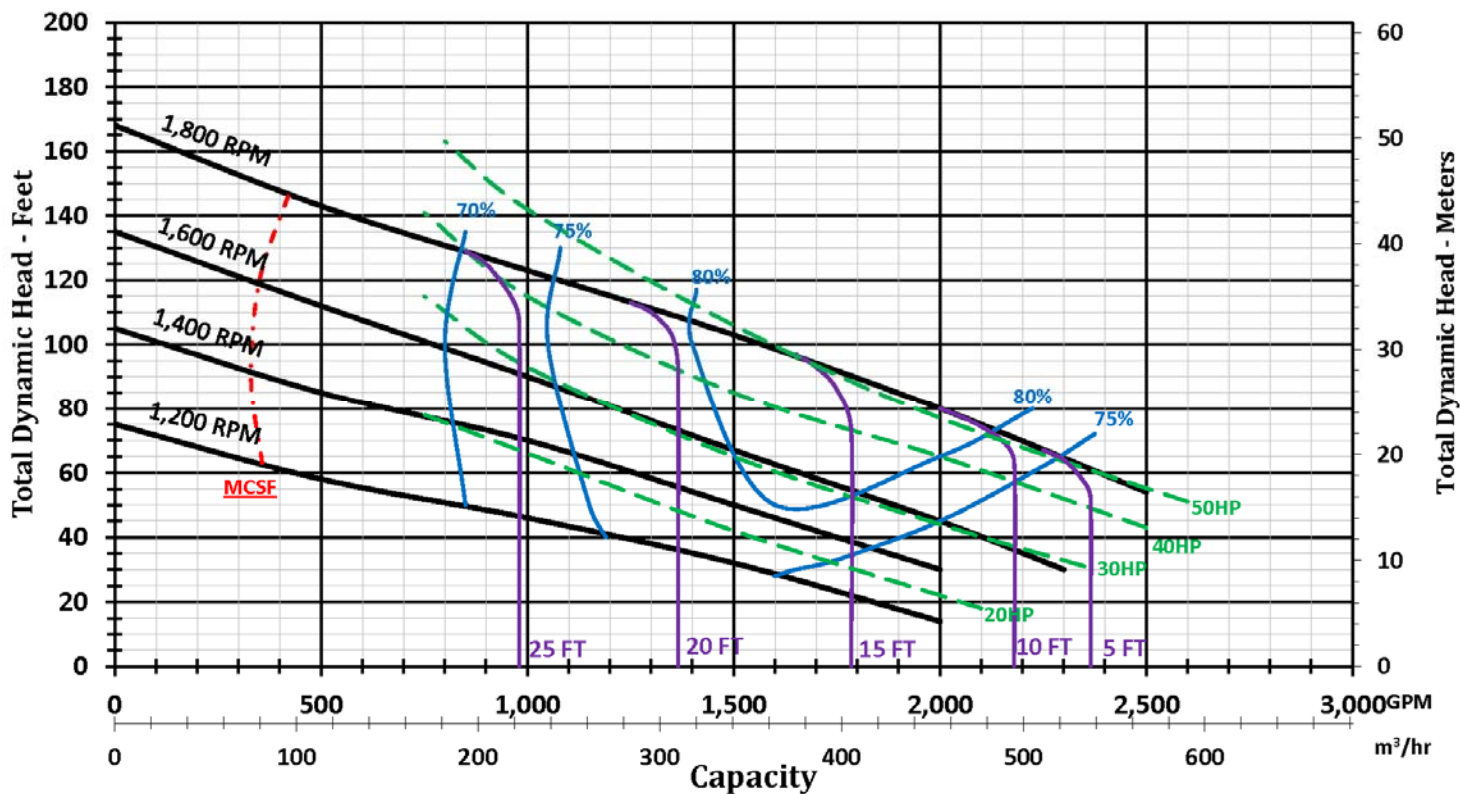
ENVIROPRIME SYSTEM® with Compressor

- Thompson's innovative priming system preventing blow-by of sewage, effluent and waste from discharging onto the ground. This system, with Thompson's compressor priming system, offers mid-range air handling capabilities for quick priming.

Pump End Materials	
Pump Casing	Ductile iron with cleanout port available with suction wear ring or wear plate
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 12"
Mechanical Seal	2.5" dry-running, grease lubricated with Tungsten Carbide rotating and Silicon Carbide stationary seal faces. Other components are 304 stainless steel and viton.
Shaft	4340 alloy steel and fitted with a renewable 416 stainless steel shaft sleeve

TECHNICAL SPECIFICATIONS

Suction Size	6" (15.24 cm)	Approximate Dry Weight	4310 lbs (1955 kg)
Discharge Size	6" (15.24 cm)	Fuel Tank	75 Gal (283.91 L)
Maximum Flow Capacity	2,500 gpm (567.5 m ³ /h)	Fuel Consumption @ 1,800 rpm	3.23 GPH (12.23 L/h)
Maximum Head	168 ft (51.21 m)	Best Efficiency Point	80%
Maximum Solids Handling	3" (7.62 cm)	Maximum Operating Times	Fuel Economy
Maximum Operating Speed	1,800 rpm	23 hours @ 1,800 rpm	0.398 lb/hp-hr@1,800 rpm
Maximum Operating Temp.	200°F (93.33°C)	34 hours @ 1,600 rpm	0.391 lb/hp-hr@1,600 rpm
Maximum Operating Pressure	73 psi (501.44 kPa)	43 hours @ 1,400 rpm	0.387 lb/hp-hr@1,400 rpm



Engine Specification

Engine Model	John Deere 4045T, 64 Cont. HP @ 1,800 rpm	Standard Equipment	Alternator, radiator, EPA certified emissions exhaust muffler
Type	4-cylinder, in-line, 4-cycle, water-cooled, turbo-charged, direct-injected, Interim Tier IV diesel	Automatic Shutdowns	Low lube oil pressure; high wa- ter temperature

Specifications and illustrations are subject to revision without notice and without incurring any obligation for previous or subsequent equipment sold. Thompson Pump (ISO 9001:2008) makes no representation regarding the completeness or accuracy of this information and is not liable for any direct or indirect damages arising from or relating to this information or its use. Capacity & Head are shown for comparative purposes. Consult Thompson factory for exact capabilities.