

With its heavy-duty cast-iron construction and fast priming capabilities, this solids handling jet pump leads the industry in construction, industrial and mining applications. The Thompson 6JSVE-DJDST-45T-M is designed for high flows to 2,700 gpm and heads to 195 feet making it perfect for sewage by-pass pumping or general construction dewatering

ENVIROPRIME SYSTEM[®] with OVT

- Thompson's innovative priming system preventing blow-by of sewage, effluent and waste from discharging onto the ground. This system, with Thompson's oil-less vacuum technology (OVT) system, offers 97 CFM air handling capabilities for quick priming.



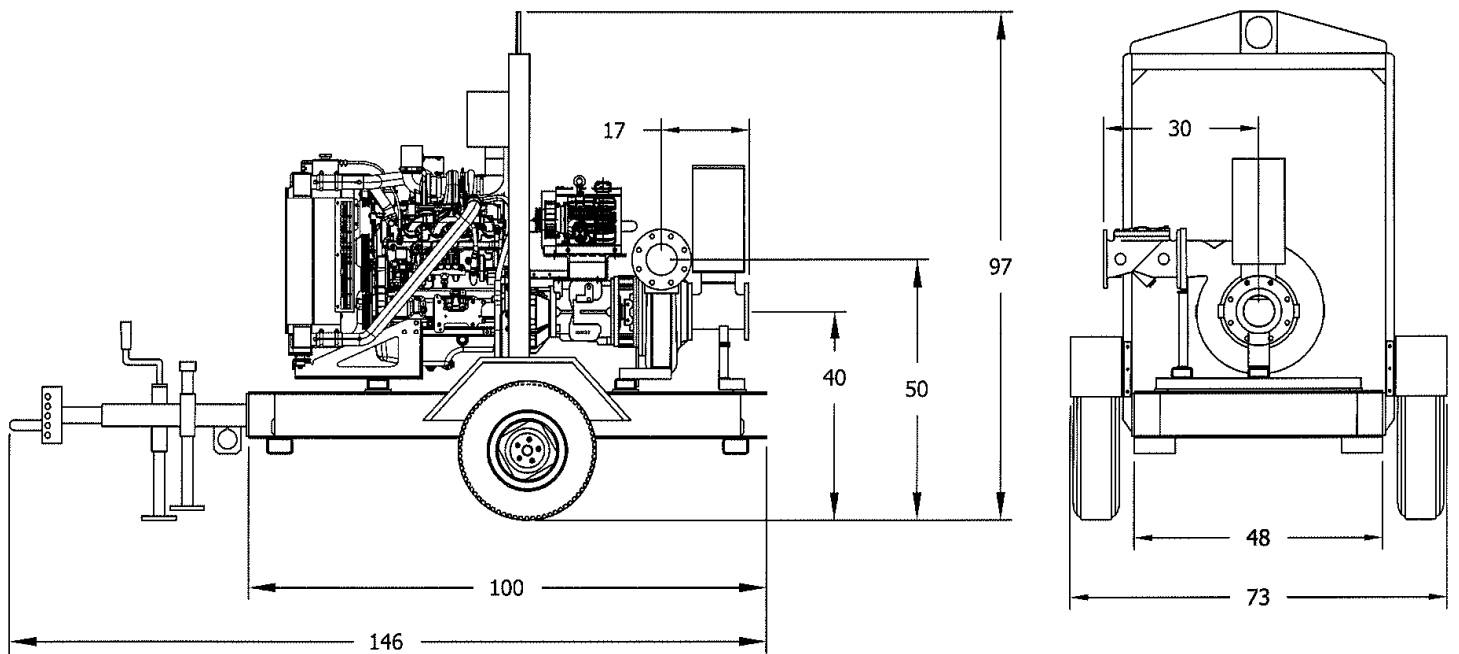
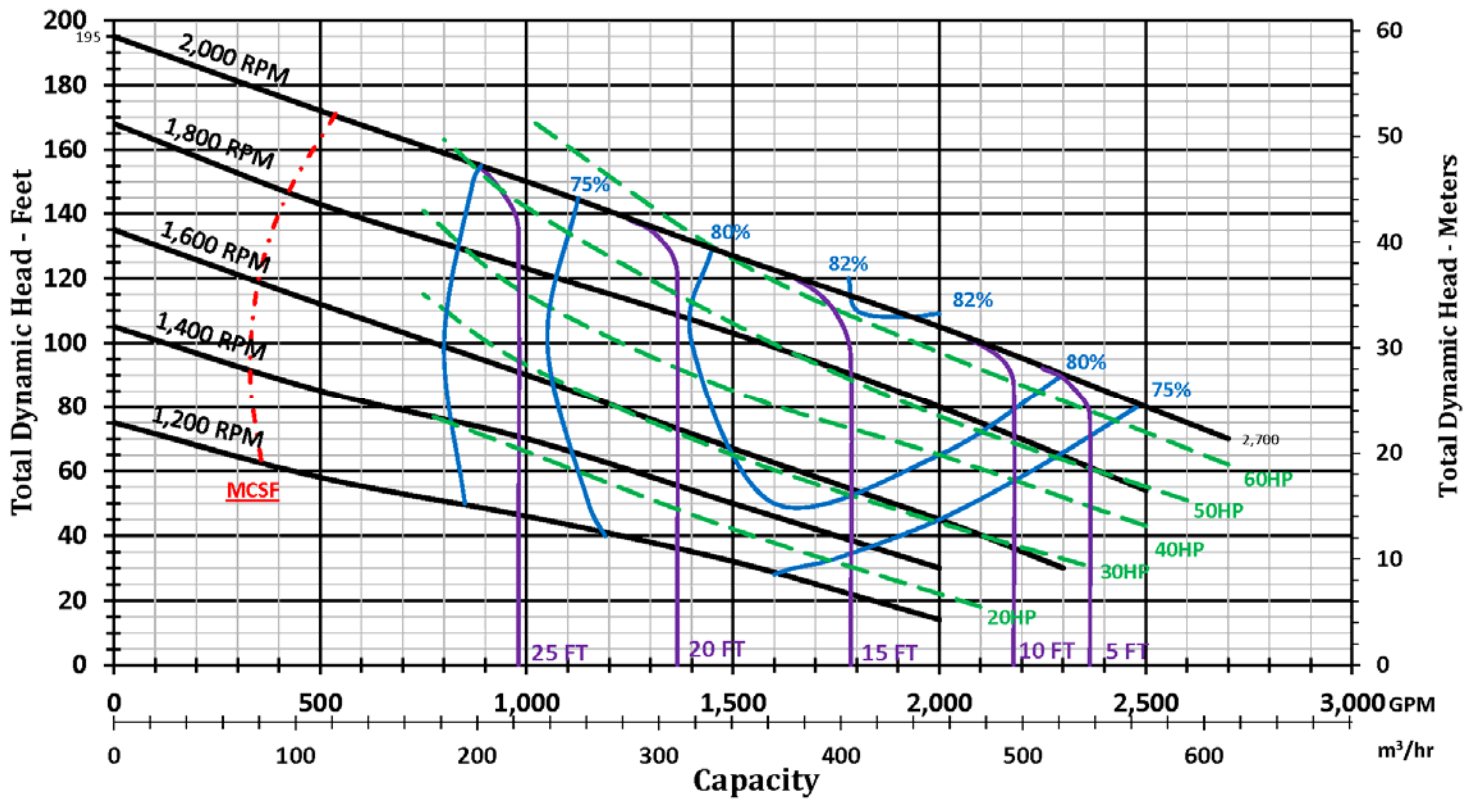
Consult factory for other versions & options including site trailers, sound attenuation, etc.

Pump End Materials

Pump Casing	Ductile iron with cleanout port available with suction wear ring or wear plate
Impeller	Dynamically balanced, non-clogging, enclosed or semi-open, 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" run-dry, 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. All 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 is heavy-duty class 30 cast-iron
Shaft	SAE 1144 'stress-proof' steel and fitted with a renewable 416 stainless steel sleeve

TECHNICAL SPECIFICATIONS

Suction Size	6" (15.24 cm)	Approximate Dry Weight	5430 lbs (2463 kg)
Discharge Size	6" (15.24 cm)	Fuel Tank	114 Gal (431.54 L)
Maximum Flow Capacity	2700 gpm (612.9 m ³ /h)	Fuel Consumption @ 2,000 rpm	3.97 GPH (15 L/h)
Maximum Head	195 ft (59.44 m)	Best Efficiency Point	82%
Maximum Solids Handling	3" (7.62 cm)	Maximum Operating Times	Fuel Economy
Maximum Operating Speed	2,000 rpm	28 hours @ 2,000 rpm	0.397 lb/hp-hr@2,000 rpm
Maximum Operating Temp.	200 °F (93.33 °C)	36 hours @ 1,800 rpm	0.395 lb/hp-hr@1,800 rpm
Maximum Operating Pressure	84.42 psi (582.03 kPa)	49 hours @ 1,600 rpm	0.397 lb/hp-hr@1,600 rpm



Engine Specification

Engine Model	John Deere 4045T, 72 hp @ 2,000 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 water temperature

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