



## 6" Solids Handling Vacuum-Assisted Pump (Dry Prime)

Model: 6JSVE-DCUST-2.8T-M



With its heavy-duty cast-iron construction and fast priming capabilities, this trailer mounted solids handling jet pump leads the industry in construction, industrial and mining applications. The Thompson 6JSVE-DCUST-2.8T-M is designed for high flows to 2475 gpm and heads to 164 feet making it perfect for sewage bypass pumping or general construction dewatering



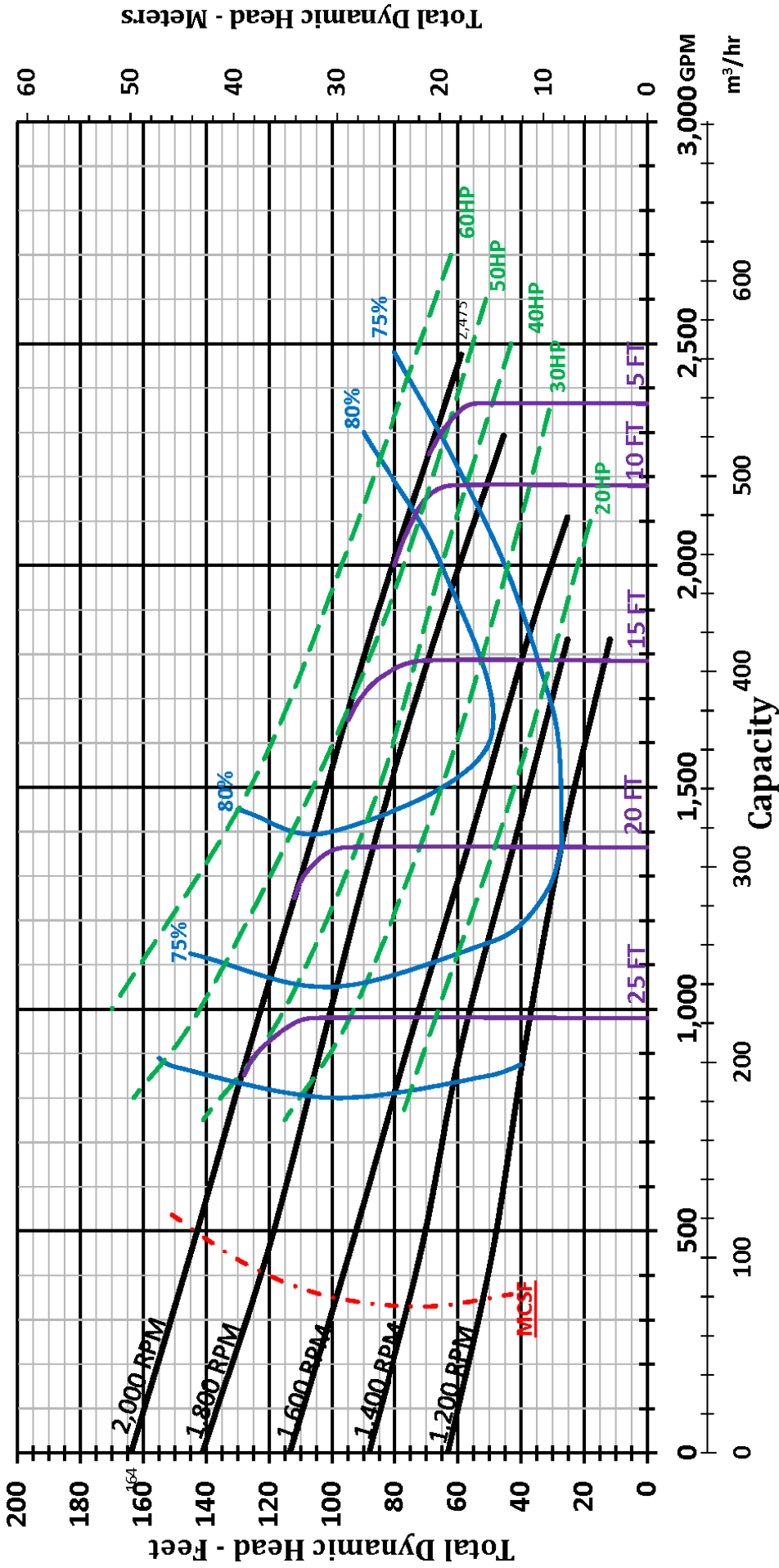
### ENVIROPRIME SYSTEM<sup>®</sup> with OVT

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 SCFM air handling capabilities for quick priming.

<b>Pump End Materials</b>	
<b>Pump Casing</b>	Ductile iron with cleanout port available with suction wear ring or wear plate
<b>Impeller</b>	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 11"
<b>Mechanical Seal</b>	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.
<b>Head</b>	Rugged, back pull out design, heavy-duty class 30 cast iron with tapered bore design
<b>Bearings &amp; Frame</b>	Heavy-duty grease lubricated to carry both axial and radial loads. Frame is heavy-duty class 30 cast-iron
<b>Shaft</b>	High quality 'stress-proof' steel and fitted with a renewable 416 stainless steel sleeve

### TECHNICAL SPECIFICATIONS

Suction Size	6 in (15.24 cm)	Fuel Tank	100 gal (378.54 L)
Discharge Size	6 in (15.24 cm)	Fuel Consumption @ 2000 rpm	2.97 gph (11.24 L/h)
Maximum Flow Capacity	2475 gpm (561.83 m <sup>3</sup> /h)	Best Efficiency Point	80 %
Maximum Head	164 ft (49.99 m)		
Maximum Solids Handling	3 in (7.62 cm)	Maximum Operating Times	Fuel Economy
Maximum Operating Speed	2000 rpm	33 hours @ 2000 rpm	0.365 lb/hp-hr @ 2000 rpm
Maximum Operating Temp.	200 °F (93.33 °C)	41 hours @ 1800 rpm	0.368 lb/hp-hr @ 1800 rpm
Maximum Operating Pressure	71 psi (489.5 kPa)	60 hours @ 1600 rpm	0.375 lb/hp-hr @ 1600 rpm



### Engine Specification

<b>Engine Model</b>	Cummins QSF2.8 — 59 HP @ 1800 rpm	<b>Standard Equipment</b>	Wastegate Turbocharger, DOC emission control device, alternator, radiator
<b>Type</b>	EPA Tier 4 Final, In-Line, 4-Cycle, Turbocharged, high-pressure common-rail diesel	<b>Automatic Shutdowns</b>	Low lube oil pressure; high water temperature

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