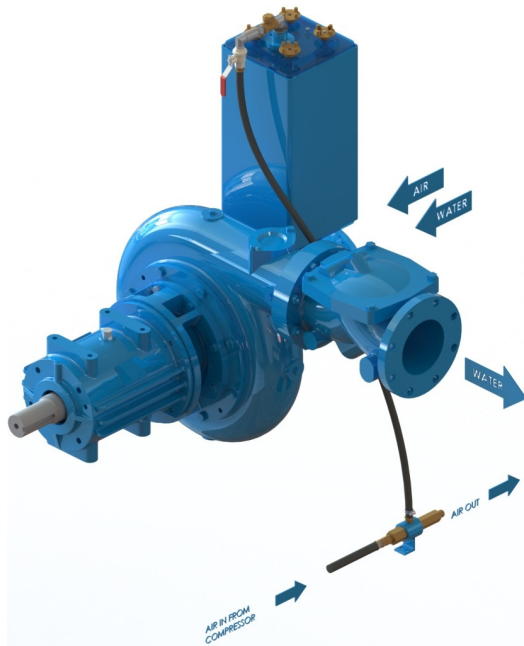


With its heavy-duty cast-iron construction, ability to dry-prime and re-prime automatically, this end-suction centrifugal pump leads the industry in construction, industrial and mining applications. The Thompson 12JSCG-DVS-873VE-M Solids Handling Jet Pump is designed for high flows to 5,600 gpm and high heads to 360 feet making it perfect for sewage bypass pumping or general construction de-watering

## ENVIROPRIME SYSTEM<sup>®</sup> 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 8-10 SCFM air handling capabilities for quick priming.



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

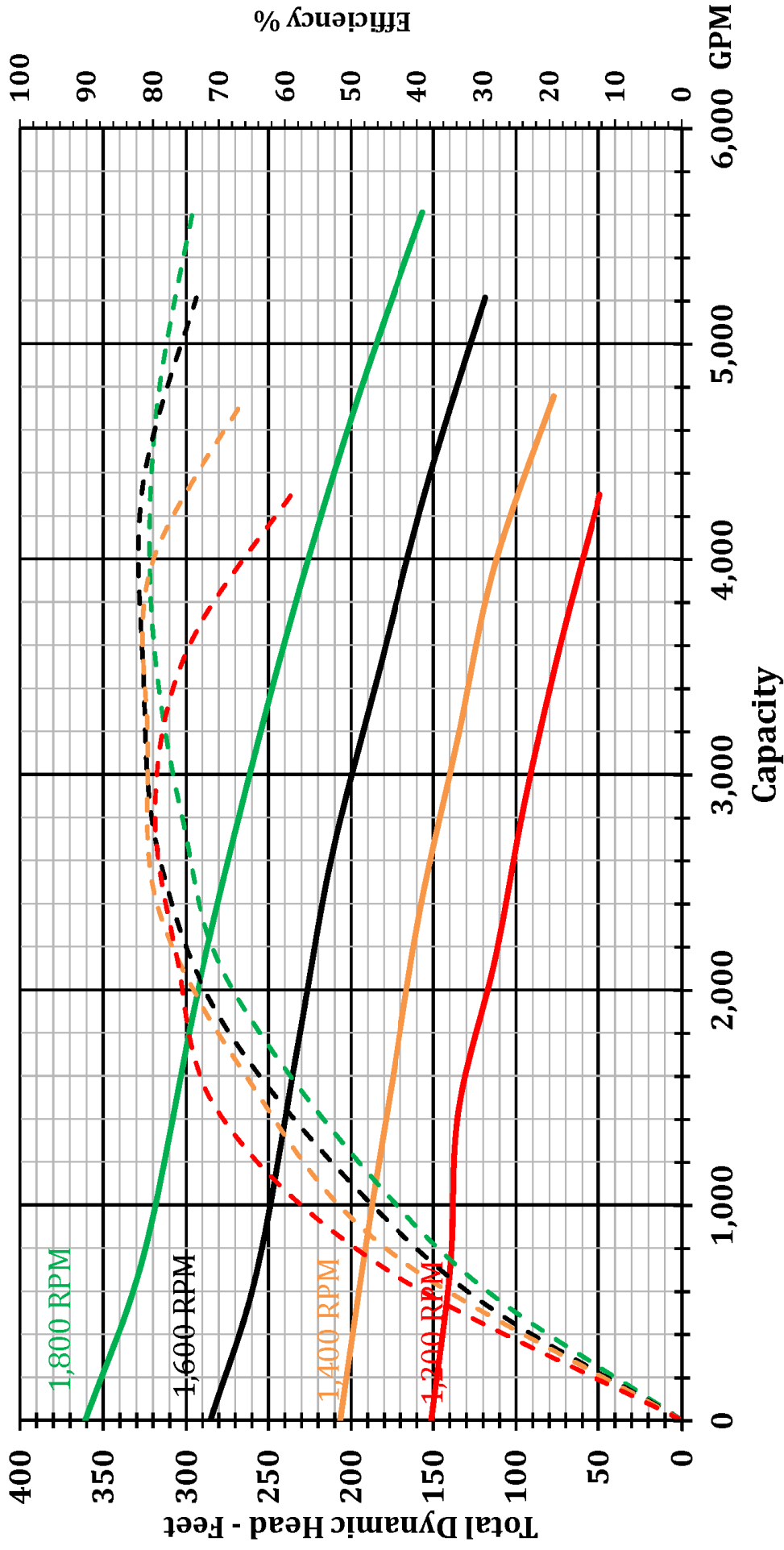
### Pump End Materials

<b>Pump Casing</b>	Heavy-duty class 30 cast-iron with ductile iron wear ring
<b>Impeller</b>	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 17.5"
<b>Mechanical Seal</b>	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.
<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, heavy-duty class 30 cast iron
<b>Shaft</b>	'Stress-proof' steel and fitted with a renewable 416 stainless steel shaft sleeve

## TECHNICAL SPECIFICATIONS

Suction Size	12 in (30.48 cm)
Discharge Size	12 in (30.48 cm)
Maximum Flow Capacity	5600 gpm (1271 m <sup>3</sup> /h)
Maximum Head	360 ft (109.73 m)
Maximum Solids Handling	3.38 in (8.59 cm)
Maximum Operating Speed	1800 rpm
Maximum Operating Temp.	200 °F (93.33 °C)
Maximum Operating Pressure	158 psi (1089 kPa)

Approximate Dry Weight	7,970 lbs (3615.13 kg)
Fuel Tank	150 gal (567.81 L)
Fuel Consumption @1800rpm	14.08 gph (53.3 L/h)
Best Efficiency Point	82 %
Maximum Operating Times	Fuel Economy
10 hours @ 1800 rpm	0.337 lb/hp-hr @1800rpm
14 hours @ 1600 rpm	0.329 lb/hp-hr @1600rpm
22 hours @ 1400 rpm	0.327 lb/hp-hr @1400rpm



### Engine Specification

Engine Model	Volvo 873VE, 315 hp @ 1,800 rpm	Standard Equipment	Alternator, radiator, muffler, and exhaust stack with rain protection
Type	6-cylinder, in-line, 4-cycle, water-cooled, turbo charged, direct-injected, Final Tier 4 diesel	Automatic Shutdowns	Low oil pressure; High coolant temperature

Specifications and illustrations are subject to revision without notice and without incurring any obligation for previous or subsequent equipment sold. Thompson Pump (ISO 9001:2015) 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.