



Experience Innovation

Model: 12" Compressor-Assisted Solids Handling Pump

Name: 12JSCG

With its heavy-duty ductile-iron construction and fast priming capabilities, the Thompson 12JSCG solids handling end suction centrifugal pump leads the industry in construction, industrial and municipal applications. The Thompson 12JSCG is designed for moderate flows up to 5,180 gpm and heads up to 340 feet making it perfect for sewage bypass pumping or general construction dewatering.



Photo shown may not be exact model.
Consult factory for other options

| Pump End Materials | |
|------------------------|---|
| Pump Casing | Heavy-duty class 30 ductile iron. |
| 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 17.5". |
| Mechanical Seal | Dry-running, grease or oil 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 ductile iron with tapered bore design. |
| Bearings | Heavy-duty grease lubricated to carry both axial and radial loads. |
| Bearing Frame | Heavy-duty class 30 ductile iron. |
| Shaft | SAE1144 steel fitted with a 416 stainless steel shaft |

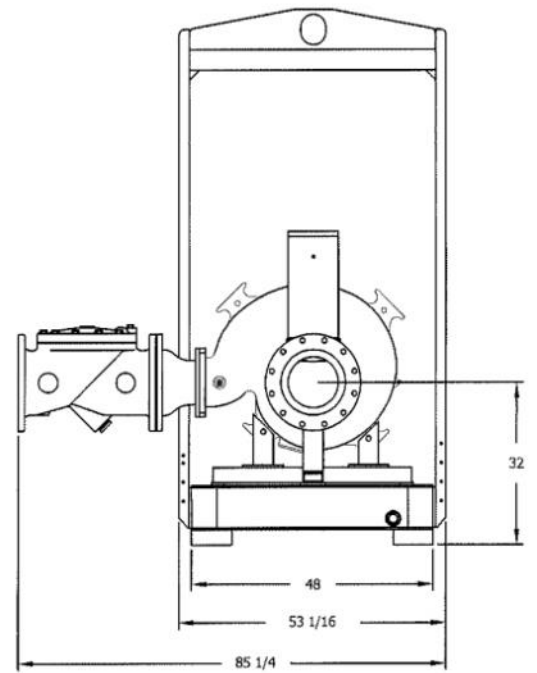
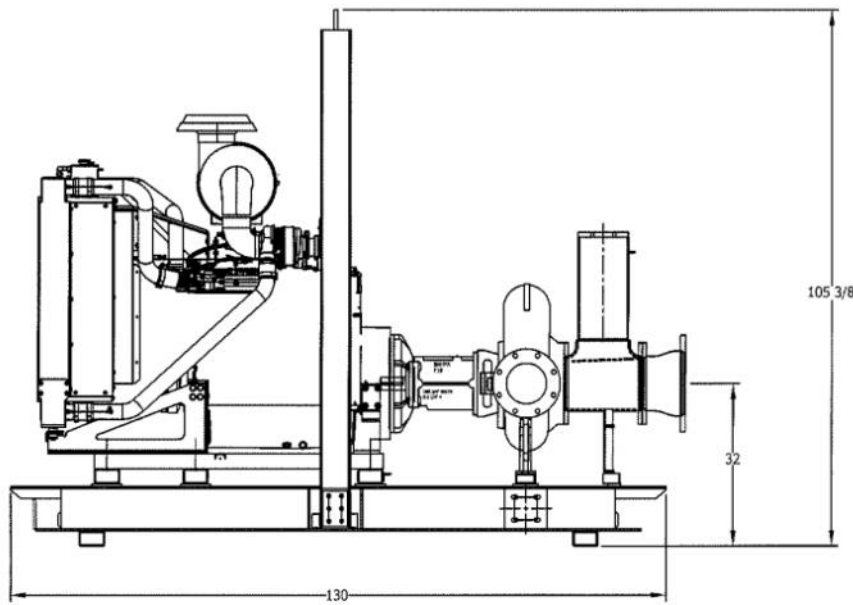
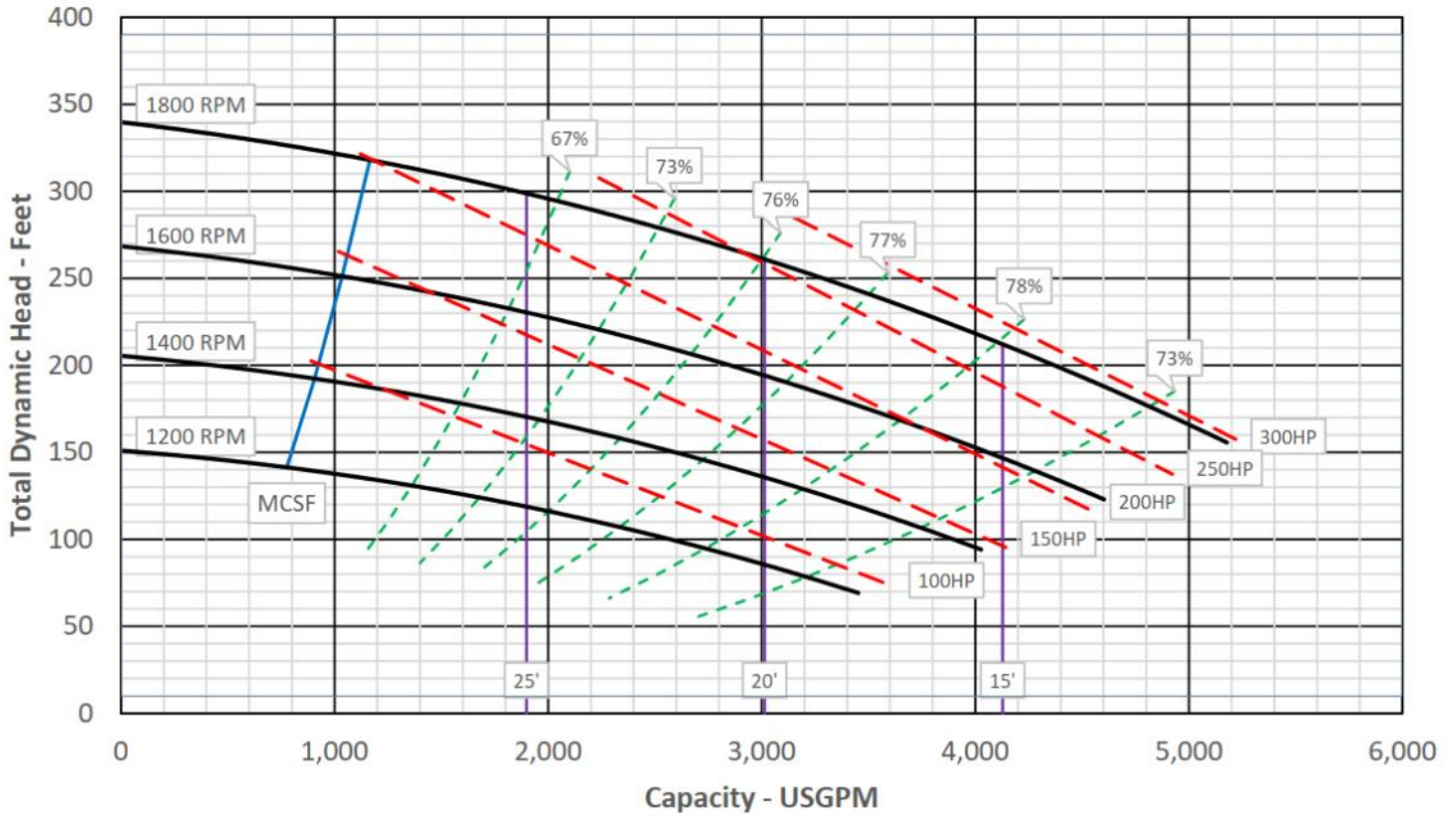
Technical Specifications

| | | | |
|-------------------------------|-------------------|----------------------------|------------------------|
| Suction Size | 12 in (30.48 cm) | Approximate Dry Weight | 8,450 lbs (3,832 kg) |
| Discharge Size | 12 in (30.48 cm) | Best Efficiency | 78% |
| Maximum Solids Handling | 3 in (7.62 cm) | Maximum Operating Speed | 1,800 rpm |
| Maximum Operating Temperature | 200° F (93.33° C) | Maximum Operating Pressure | 147 psi (1,014.81 kPa) |

Fuel Tank Options*

| | Volvo | Cummins |
|--------------------------------|---------|----------|
| Modular (M) | 150 Gal | 18 Hours |
| Double-Wall (D) | 112 Gal | 13 Hours |
| Modular Large Capacity (X) | 260 Gal | 31 Hours |
| Double-Wall Large Capacity (Z) | 235 Gal | 28 Hours |

*Contact factory for fuel tank sizes not listed above.



Volvo 873VE— 315 hp @ 1,800 rpm

| Typical Operating Speed | 1,800 rpm | Engine Speed | 1,800 rpm | Fuel Economy | 0.337 lb/hp-hr | Run Time* | 9 hrs |
|---------------------------------|--------------------------------------|--------------|----------------|--------------|----------------|-----------|-------|
| Maximum Head | 340 ft (103.63 m) | 1,800 rpm | 0.329 lb/hp-hr | 13 hrs | | | |
| Maximum Flow Capacity | 5,180 gpm (1,176 m ³ /hr) | 1,600 rpm | 0.327 lb/hp-hr | 19 hrs | | | |
| Maximum Fuel Consumption | 15.14 gph (57.31 L/hr) | 1,400 rpm | | | | | |

Cummins QSL9P— 320 hp @ 1,800 rpm

| Typical Operating Speed | 1,800 rpm | Engine Speed | 1,800 rpm | Fuel Economy | 0.363 lb/hp-hr | Run Time* | 9 hrs |
|---------------------------------|--------------------------------------|--------------|----------------|--------------|----------------|-----------|-------|
| Maximum Head | 340 ft (103.63 m) | 1,800 rpm | 0.353 lb/hp-hr | 12 hrs | | | |
| Maximum Flow Capacity | 5,180 gpm (1,176 m ³ /hr) | 1,600 rpm | 0.349 lb/hp-hr | 18 hrs | | | |
| Maximum Fuel Consumption | 16.3 gph (61.7 L/hr) | 1,400 rpm | | | | | |

*Engine run times calculated based on a 150 gallon fuel tank.

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.