

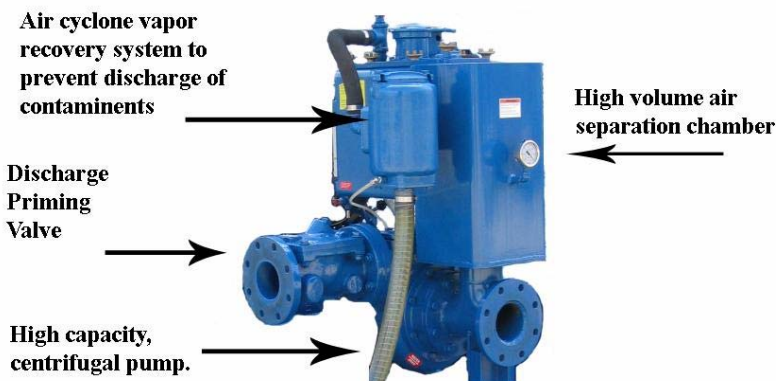
12" Solids Handling Vacuum-Assisted Jet Pump

12JSVJ-DJDST-6068T-M

With its heavy-duty cast-iron construction and fast priming capabilities, this Super Suction solids handling jet pump leads the industry in construction, industrial and municipal applications. The Thompson 12JSVJ-DJDST-6068T-M is designed for high flows to 7,250 gpm and heads to 107 feet making it perfect for sewage bypass pumping or general construction dewatering.

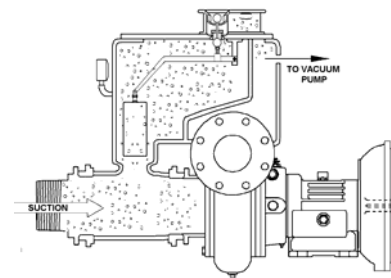
- Standard engine – John Deere 6068T
- Fully automatic, dry running to 28 feet.
- Moderate heads to 107 feet
- Maximum flows to 7,250 gpm
- Solids handling to 3"
- Available with modular frame and removable drop-on sound-attenuated Silent Knight® canopy
- Maximum operating time is 20 hours @ 1,800 rpm
- Super Suction vacuum-assisted priming system

Features



SUPER SUCTION

VACUUM-ASSISTED PRIMING SYSTEM



Thompson's exclusive Super Suction vacuum-assisted system works with a self-priming pump to provide the fastest priming in the industry. Water and air passes through a cross section tank and then into the vacuum pump forcing the water to rise in the separation tank until a balance point is reached.

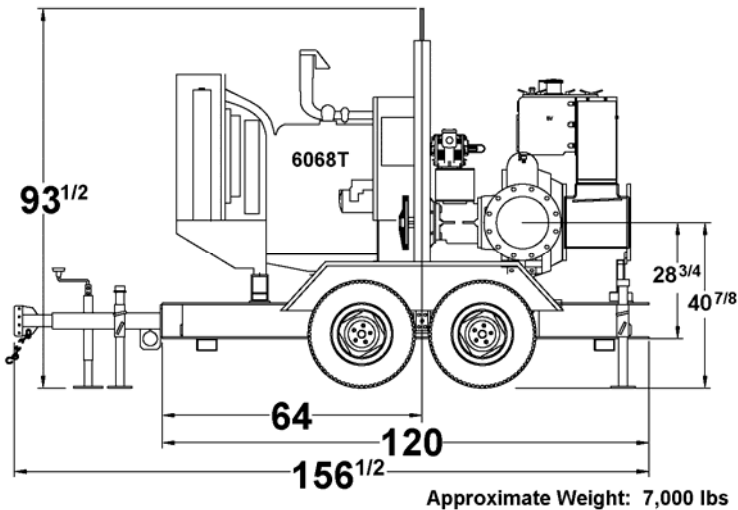
Features and Benefits

- Provides fastest priming system in portable pump dewatering industry
- Prevents discharge of pumping effluent onto the ground
- Eliminates need for a waste hose
- Eliminates need to fill up pump housing with water to obtain original prime at start-up



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12JSVJ-DJDST-6068T-M Dimensions



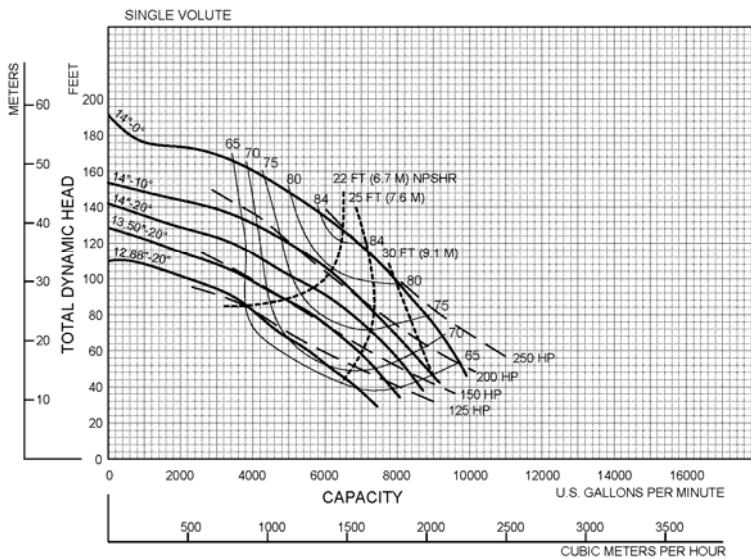
Materials of Construction

- Pump Casing:** Heavy-duty class 30 cast-iron
- Impeller:** Dynamically balanced, non-clogging, enclosed, class 30 cast iron, with rear-equalizing vanes to reduce axial loading and prolong seal and bearing life. Diameter 12.88" with 27 degree angle.
- Mechanical Seal:** 3" 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. Other components are 304 stainless steel and nitrile.
- Head:** Rugged, back pull out design, heavy-duty class 30 cast iron with tapered bore design
- Bearings:** Heavy-duty grease lubricated to carry both axial and radial loads.
- Bearing Frame:** Heavy-duty class 30 cast iron
- Shaft:** 'Stress-proof' steel, tapered shaft, and fitted with a renewable 416 stainless steel sleeve
- Suction Wear Ring:** Replaceable, class 30 cast iron

12JSVJ-DJDST-6068T-M Performance Curve



Speed	Impeller Dia.	Style	Solids Dia.	N _s	No. vanes
1785	VARIOUS	ENCLOSED	3"	3800	4



Engine Specifications

- Engine:** John Deere 6068T, 130 hp @ 1,800 rpm
- Type:** 6-cylinder, in-line, 4-cycle, water-cooled, turbo charged, direct-injected, Tier II diesel
- Standard Equipment:** Alternator, radiator, muffler, and exhaust stack with rain protection
- Displacement:** 414 cubic inches
- Fuel Economy:** .376 lb/hp-hr @ 1,800 rpm
- Safety Shutdowns:** High coolant temperature; Low oil pressure

Unit Specifications

- Fuel Tank Capacity:** 140 US gallons
- Fuel Consumption:** 7.05 gallons per hour
- Maximum Operating Speed:** 1,800 rpm
- Maximum Operating Temperature:** 212°F
- Maximum Working Pressure:** 75 psi
- Maximum Suction Lift:** 28 feet
- Maximum Casing Pressure:** 150 psi

In the interest of product improvement, Thompson Pump & Manufacturing reserves the right to change specifications without incurring any obligation for equipment previously or subsequently sold. Capacity, Head and Pump Curve are for comparative purposes. Consult engineering data for exact capabilities.
4620 City Center Drive, Port Orange, FL, 32129, USA (800) 767-7310 * Fax (386) 761-0362
Email: sales@thompsonpump.com * www.thompsonpump.com

