



8" Solids Handling Vacuum-Assisted Jet Pump 8JSVE-DJDST-6068T-M

With its heavy-duty cast-iron construction and fast priming capabilities, this Super Suction solids handling jet pump leads the market in construction, industrial and mining applications. The Thompson 8JSVE-DJDST-6068T-M is designed for high flows to 2,600 gpm and heads to 240 feet making it perfect for sewage bypass pumping or general construction dewatering.

Features

- Standard engine – John Deere 6068T
- Fully automatic, dry priming to 28 feet.
- High heads to 240 feet
- Maximum flows to 2,600 gpm
- Solids handling to 3"
- Compact unit available with modular frame or removable drop-on Silent Knight® sound enclosure
- Maximum operating time is 30 hours @ 1,800 rpm
- Super Suction vacuum-assisted priming

Super Suction Features & 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

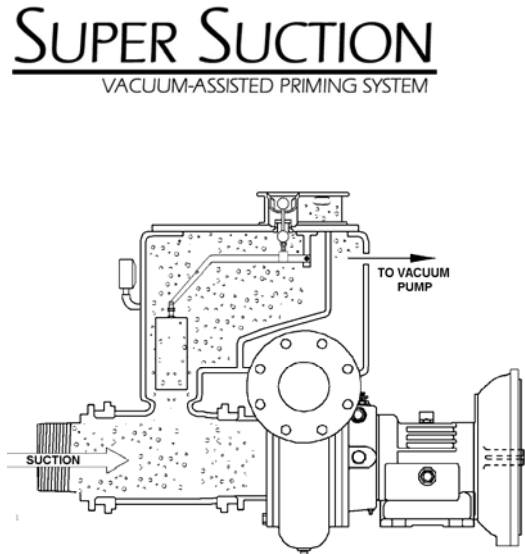
Air cyclone vapor recovery system to prevent discharge of contaminants

Discharge Priming Valve

High capacity, centrifugal pump.



High volume air separation chamber



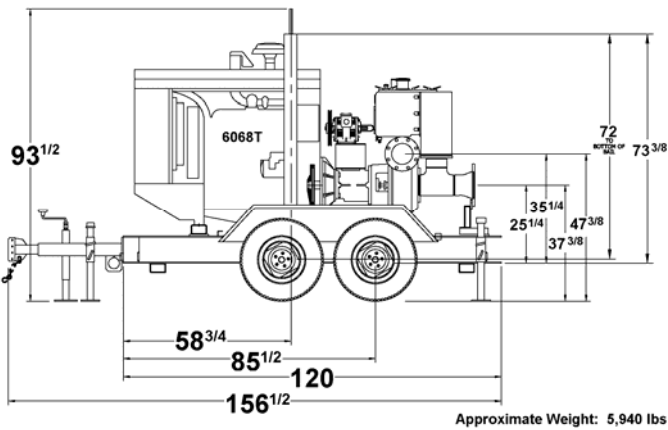
Thompson's exclusive Super Suction vacuum-assisted system works with a self-priming pump to provide the fastest priming in the industry. Water and air passes through a cross section tank and then into the vacuum pump forcing the water to rise in the separation tank until a balance point is reached.



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8JSVE-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 14"

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 nitrile.

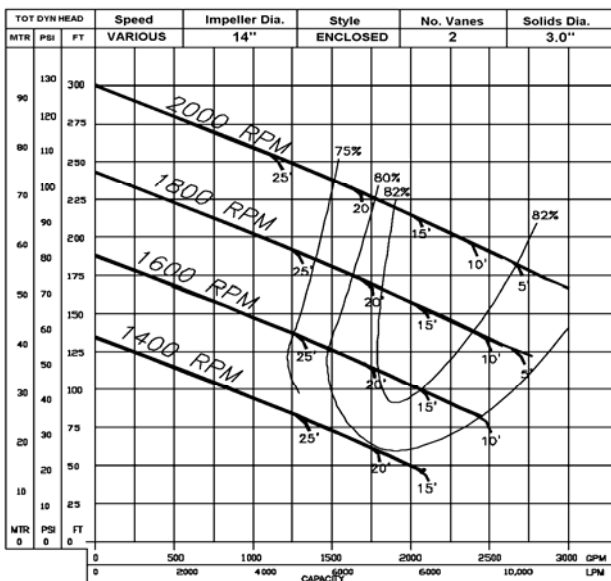
Head: Rugged, back pull out design, heavy-duty class 30 cast iron with tapered bore design

Bearings and Frame: Heavy-duty grease lubricated to carry both axial and radial loads. Frame is class 30 cast iron

Shaft: 'Stress-proof' steel and fitted with renewable 416 stainless steel sleeve

Suction Wear Ring: Replaceable, class 30 cast iron

8JSVE-DJDST-6068T-M Performance Curve



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: 4.75 gallons per hour

Maximum Operating Speed: 1,800 rpm

Maximum Operating Temperature: 212°F

Maximum Working Pressure: 160 psi

Maximum Suction Lift: 28 feet

Maximum Casing Pressure: 175 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.
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