

6" High-Pressure Jet Pump 6JVB-DJDS-6068T

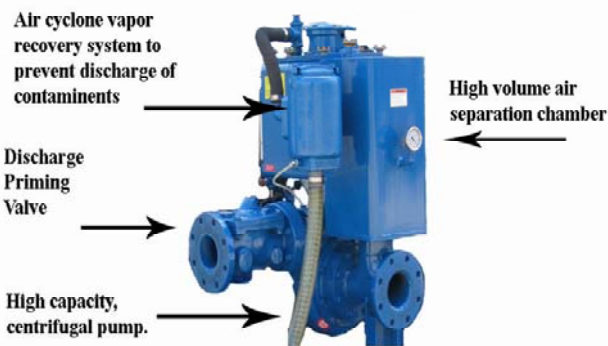
With its heavy-duty cast-iron construction and fast priming capabilities, this Super Suction solids handling jet pump leads the industry in construction, industrial and mining applications. The Thompson 6JVB-DJDS-6068T Jet Pump is designed for high flows to 1,525 gpm and high heads to 390 feet making it perfect for sewage bypass pumping or general construction dewatering.

Features

- Standard engine – John Deere 6068T.
- Fully automatic, dry priming to 28 feet.
- Moderate heads to 390 feet; Maximum flows to 1,525 gpm; spherical solids handling to .62"
- Maximum psi: 175
- Modular frame included or removable drop-on Silent Knight® sound enclosure
- Maximum operating time is 12 hours @ 2,200 rpm

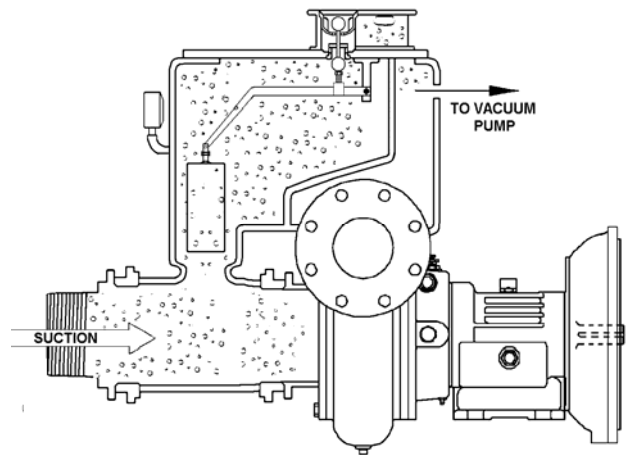
Super Suction Features & Benefits

- 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



SUPER SUCTION

VACUUM-ASSISTED PRIMING SYSTEM

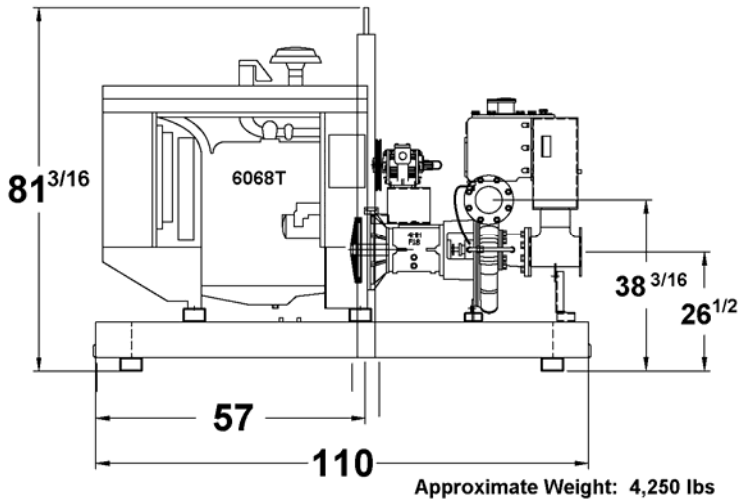


Thompson's exclusive Super Suction vacuum-assisted system works with a self-priming pump to provide the fastest priming in the industry. Water and air passes through a cross section tank and then into the vacuum pump forcing the water to rise in the separation tank until a balance point is reached.



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6JVB-DJDS-6068T Dimensions



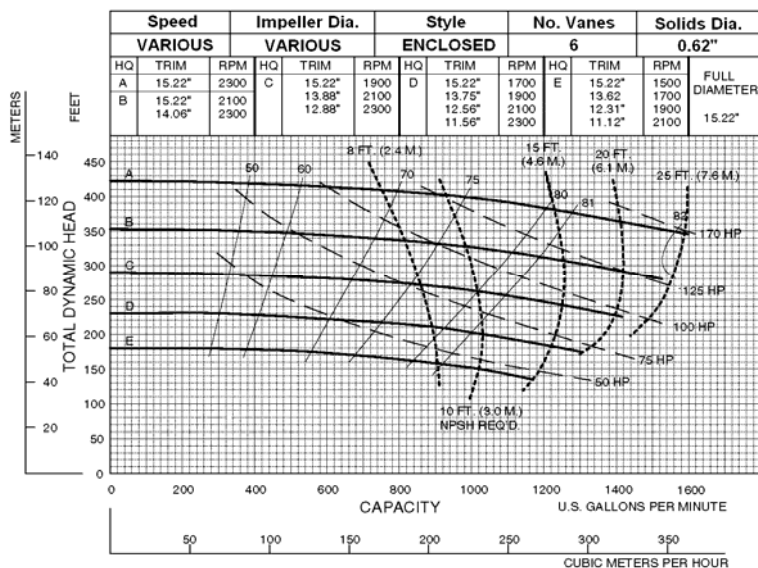
Materials of Construction

Pump Casing: Rugged, heavy-duty class 30 cast-iron
Shaft: 'Stress-proof' SAE 1144 steel and fitted with a renewable SAE 660 bronze shaft sleeve.
Impeller: Dynamically balanced, enclosed, SAE 40 bronze, with rear-equalizing vanes to reduce axial loading and prolong seal and bearing life. Diameter 15.22"
Suction Wear Ring: Replaceable, SAE 660 bronze.
Mechanical Seal: 2.5" 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. All other components are 304 stainless steel and nitrile.
Backplate: 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

Engine Specifications

Engine: John Deere 6068T, 135 hp @ 2,200 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: .383 lb/hp-hr @ 2,200 rpm
Safety Shutdowns: High coolant temperature; Low oil pressure

6JVB-DJDS-6068T Performance Curve



Unit Specifications

Fuel Tank Capacity: 65 US gallons
Fuel Consumption: 5.32 gallons per hour
Maximum Operating Speed: 2,200 rpm
Maximum Operating Temperature: 212°F
Maximum Working Pressure: 225 psi
Maximum Suction Lift: 28 feet
Maximum Casing Pressure: 350 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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