



8" Vacuum-Assisted Wellpoint Pump 8JSVWE-DJDS-4045D-M

The Thompson Wellpoint Pump is trusted by contractors worldwide with its heavy-duty cast-iron construction, high-pressure and fast priming capabilities. This *Super Suction* solids handling pump leads the industry in construction, industrial and municipal applications. The Thompson 8JSVWE-DJDS-4045D-M is designed for high flows to 2,450 gpm and heads to 167 feet, making it perfect for wellpoint systems and sock dewatering or general construction dewatering.

Pump Features

- Standard engine – John Deere 4045D
- Fully automatic, dry priming to 28 feet
- High heads to 167 feet; Maximum flows to 2,450 gpm
- Handles solids to 3"
- Compact unit includes modular frame
- Maximum operating time is 44 hours @ 1,800 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

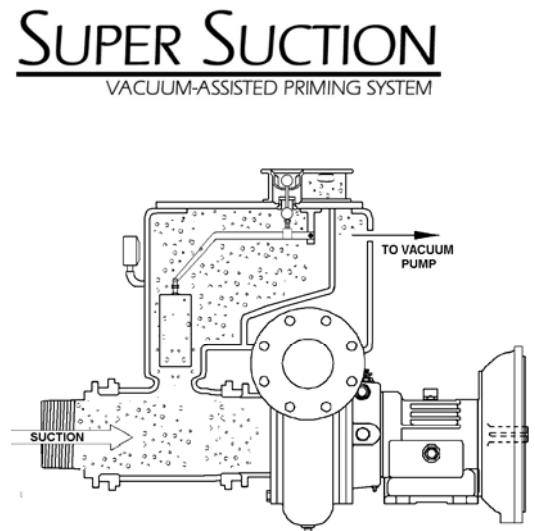
Air cyclone vapor recovery system to prevent discharge of contaminants

Discharge Priming Valve

High capacity, centrifugal pump.



High volume air separation chamber

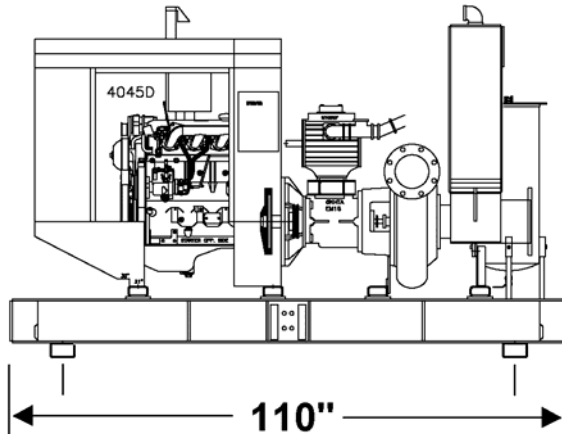


Thompson's exclusive Super Suction vacuum-assisted system works to provide the fastest priming in the industry. Water and air passes through a cross section tank and then into the vacuum pump forcing the water to rise in the separation tank until a balance point is reached.



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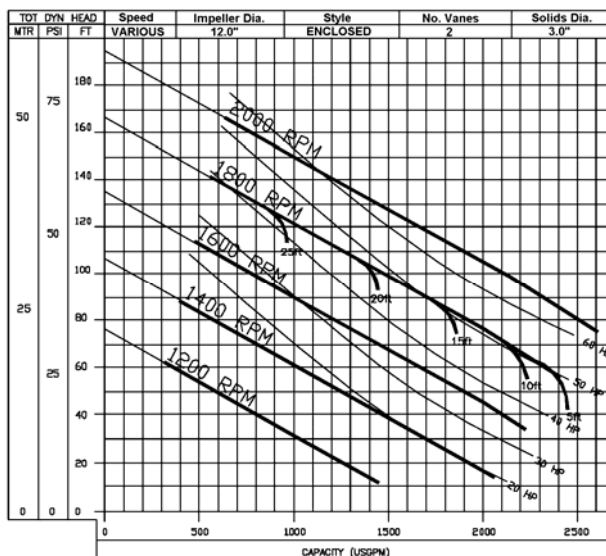
8JSVWE-DJDS-4045D-M Dimensions



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"
Mechanical Seal: 2.5" run-dry 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.
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 heavy-duty class 30 cast-iron.
Shaft: High quality "stress-proof" steel and fitted with a renewable 416 stainless steel shaft sleeve
Suction Wear Ring: Replaceable, class 30 cast iron

8JSVWE-DJDST-4045D Performance Curve



Engine Specifications

Engine: John Deere 4045D, 62 hp @ 1,800 rpm
Type: 4-cylinder, in-line, 4-cycle, water-cooled, natural aspiration, direct-injected, Tier II diesel
Standard Equipment: Alternator, radiator, muffler and exhaust stack with rain protection
Displacement: 276 cubic inches
Fuel Economy: .379 lb/hp-hr @ 1,800 rpm
Safety Shutdowns: High coolant temperature; Low oil pressure

Unit Specifications

Fuel Tank Capacity: 127 US gallons
Fuel Consumption: 2.89 gallons per hour
Maximum Operating Speed: 1,800 rpm
Maximum Operating Temperature: 212°F
Maximum Working Pressure: 110 psi
Maximum Suction Lift: 30 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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