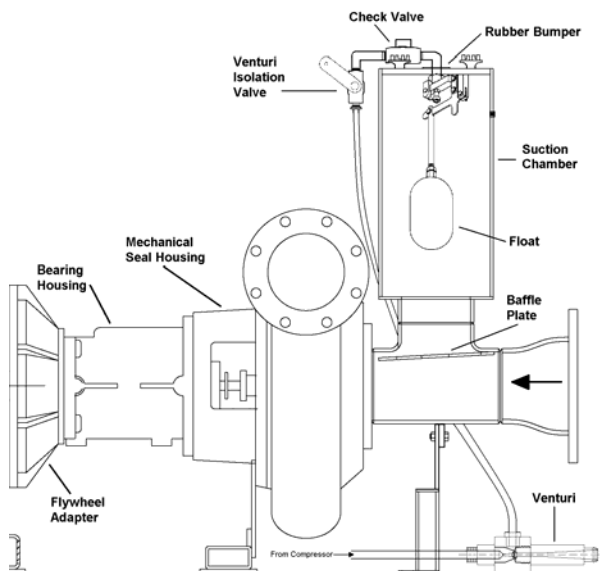


6" High-Pressure ENVIOPRIME® Jet Pump 6JCB-DJDST-6068T-M

With its heavy-duty cast-iron construction and high-pressure capability, this end-suction centrifugal pump leads the industry in construction, industrial and marine applications. The Thompson 6JCB-DJDST-6068T-M ENVIOPRIME® Jet Pump is designed for high flows to 1,450 gpm and high heads to 325 feet making it perfect for jetting in wellpoint systems.

Features

- Standard engine – John Deere 6068T.
- Fully automatic, dry priming to 28 feet.
- Moderate heads to 325 feet; Maximum flows to 1,450 gpm; spherical solids handling to .62"
- Maximum psi: 274
- Modular frame included or removable drop-on Silent Knight® sound enclosure
- Maximum operating time is 25 hours @ 2,100 rpm
- ENVIOPRIME® compressor-assisted priming system prevents blow-by allowing pump to be environmentally safe



ENVIOPRIME® system

Thompson's exclusive ENVIOPRIME® dry-priming system works in conjunction with the compressor/venturi priming system to prevent blow-by, such as sewage and waste, from discharging onto the ground. The system works automatically, evacuating the air from the suction line during startup, as well as any air or gases introduced into the suction line during the pumping process.

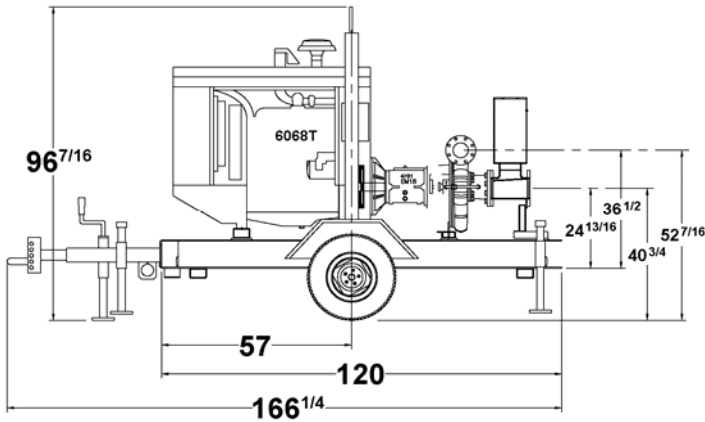
Features and Benefits

- Handles large volumes of air, producing quicker priming times.
- Eliminates need for a venturi waste hose
- Extends the life of the pump by separating air and water, keeping the venturi from clogging and shutting down the system.
- Allows for optional noise suppressor
- This innovative system, along with high efficiency impellers, lessens power requirements resulting in reduced operating costs.



6" High-Pressure ENVIROPRIME® Jet Pump 6JCB-DJDST-6068T-M

6JCB-DJDST-6068T-M Dimensions



Approximate Weight: 6,190 lbs

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 @ 2,100 rpm

Type: 6-cylinder, in-line, 4-cycle, water-cooled, turbo charged, direct-injected, Tier II diesel

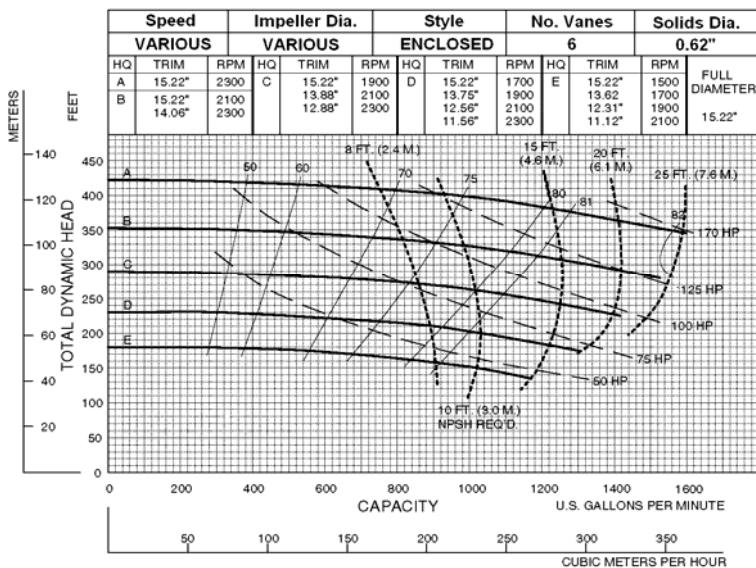
Standard Equipment: Alternator, radiator, muffler, and exhaust stack with rain protection.

Displacement: 414 cubic inches

Fuel Economy: .383 lb/hp-hr @ 2,100 rpm

Safety Shutdowns: High coolant temperature; Low oil pressure

6JCB-DJDST-6068T-M Performance Curve



Unit Specifications

Fuel Tank Capacity: 140 US gallons

Fuel Consumption: 5.32 gallons per hour

Maximum Operating Speed: 2,100 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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