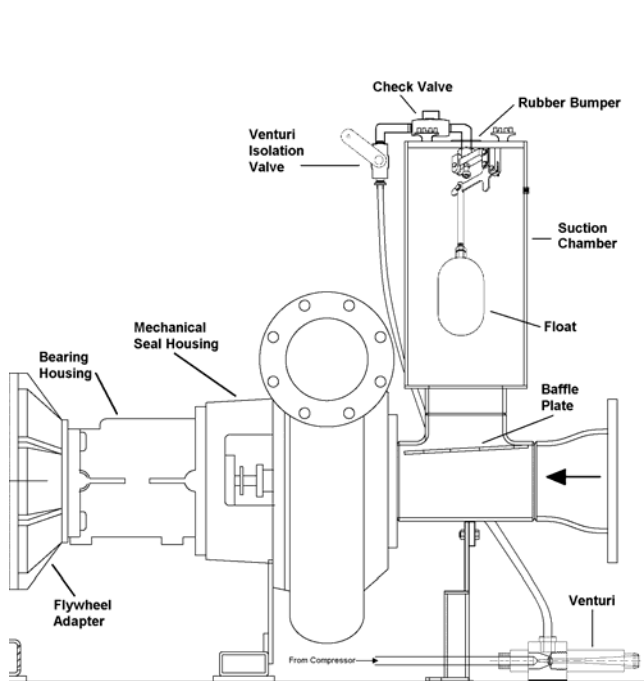


# 6" Solids Handling ENVIOPRIME® Pump 6JSCD-DJDST-6068T-M

With its heavy-duty cast-iron construction, ability to dry-prime and re-prime automatically, this end-suction centrifugal pump leads the industry in construction, industrial and mining applications. The Thompson 6JSCD-DJDST-6068T-M ENVIOPRIME® Solids Handling Pump is designed for moderate flows to 1,350 gpm and high heads to 330 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 330 feet; Maximum flows to 1,350 gpm.
- Solids handling to 3"
- Compact unit available with detachable trailer. Also available with removable drop-on Silent Knight® sound enclosure
- Maximum operating time is 26 hours @ 2,000 rpm
- ENVIOPRIME® compressor-assisted priming system prevents blow-by allowing pump to be environmentally safe



## ENVIOPRIME®

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.

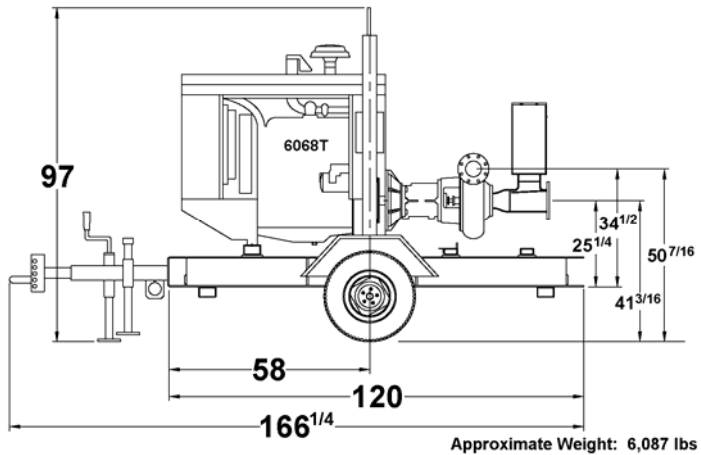
## Features and Benefits

- 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" Solids Handling ENVIROPRIME® Pump 6JSCD-DJDST-6068T-M

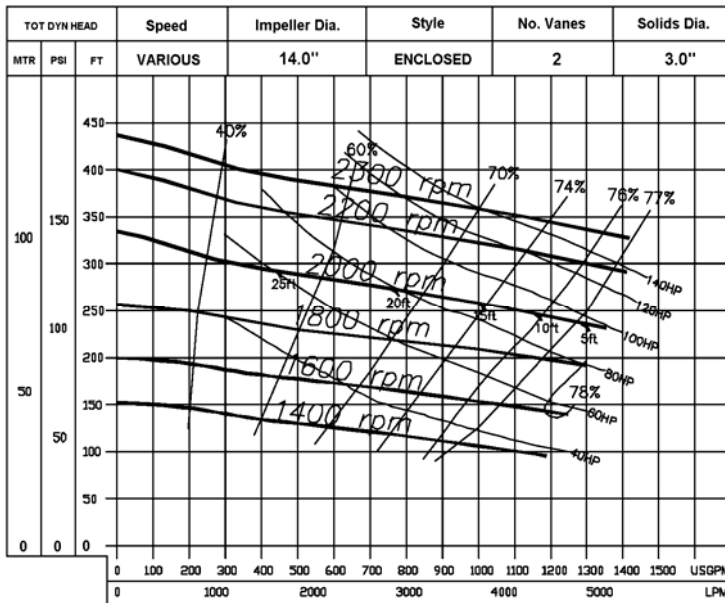
## 6JSCD-DJDST-6068T-M Dimensions



## 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. Other components are 304 stainless steel and nitrile.  
**Bearings:** Heavy-duty grease lubricated to carry both axial and radial loads.  
**Bearing Frame:** Heavy-duty class 30 cast iron  
**Suction Wear Ring:** Replaceable, class 30 cast iron  
**Shaft:** 'Stress-proof' steel and fitted with a renewable 416 stainless steel shaft sleeve  
**Backplate:** Rugged, back pull out design, heavy duty class 30 cast iron with tapered bore design

## 6JSCD-DJDST-6068T-M Performance Curve



## Engine Specifications

**Engine:** John Deere 6068T, 135 hp @ 2,000 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:** .378 lb/hp-hr @ 2,000 rpm  
**Safety Shutdowns:** High coolant temperature; Low oil pressure

## Unit Specifications

**Fuel Tank Capacity:** 140 US gallons  
**Fuel Consumption:** 5.36 gallons per hour  
**Maximum Operating Speed:** 2,000 rpm  
**Maximum Operating Temperature:** 212°F  
**Maximum Working Pressure:** 175 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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