

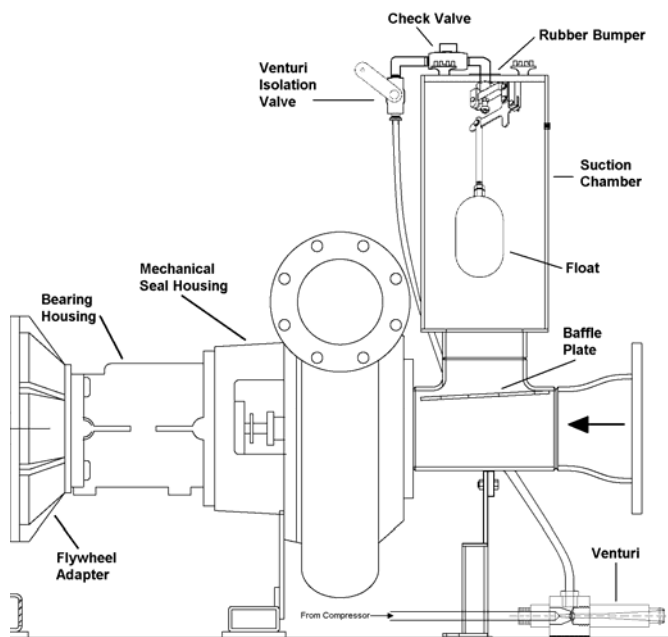


12" Solids Handling ENVIROPRIME® Jet Pump 12JSCJ-DJDS-6068T-M

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 12JSCJ-DJDS-6068T-M ENVIROPRIME® Solids Handling Jet Pump is designed for high flows to 7,250 gpm and moderate heads to 107 feet making it perfect for sewage bypass pumping or general construction dewatering.

Features

- Standard engine – John Deere 6068T
Also available with John Deere 6081H
- Fully automatic, dry priming to 28 feet.
- Moderate heads to 107 feet; Maximum flows to 7,250 gpm.
- Solids handling to 3"
- Compact unit available with detachable trailer and removable drop-on Silent Knight® sound enclosure
- Maximum operating time is 21 hours @ 1,800 rpm
- ENVIROPRIME® compressor-assisted priming system prevents blow-by allowing pump to be environmentally safe



ENVIROPRIME® system

Thompson's exclusive ENVIROPRIME® 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.

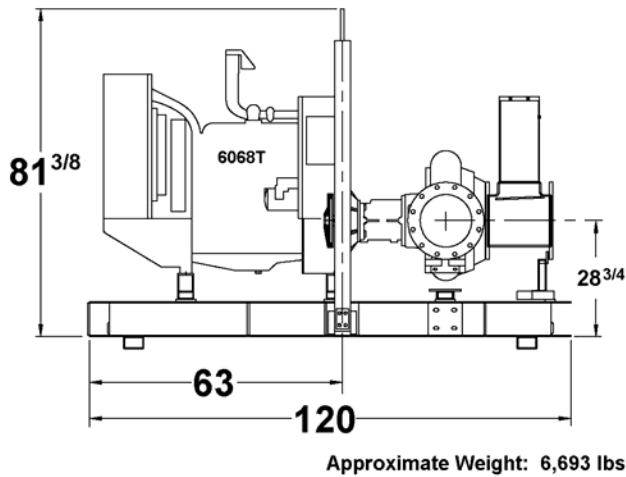
Features and Benefits

- 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.



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12JSCJ-DJDS-6068T-M Dimensions



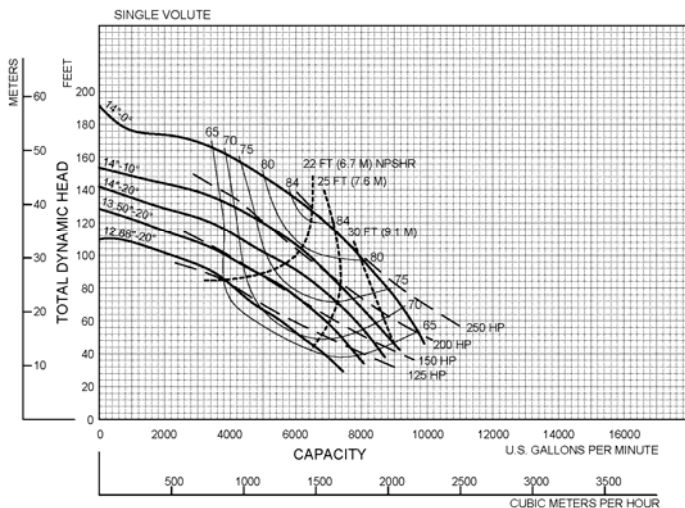
Materials of Construction

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 12.88" with 27 degree angle
Mechanical Seal: 3" 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. 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
Head: Rugged, back pull out design, heavy duty class 30 cast iron with tapered bore design

12JSCJ-DJDS-6068T-M Performance Curve



Speed	Impeller Dia	Style	Solids Dia.	N _S	No. vanes
1785	VARIOUS	ENCLOSED	3"	3800	4



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: 6.79 gallons per hour
Maximum Operating Speed: 1,800 rpm
Maximum Operating Temperature: 212°F
Maximum Working Pressure: 75 psi
Maximum Suction Lift: 28 feet
Maximum Casing Pressure: 150 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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