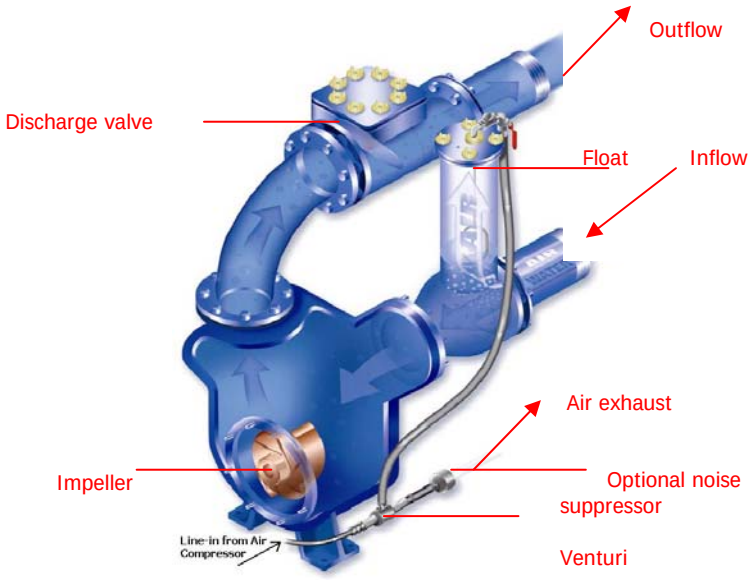
12” Solids Handling ENVIROPRIME® Pump 12HTC-DJDST-6068T

With its heavy-duty cast-iron construction, ability to dry-prime and re-prime automatically, this compressor-assisted dry prime trash pump handles construction, industrial and wastewater applications effectively. The Thompson 12HTC-DJDST-6068T ENVIROPRIME® Compressor-Assisted Pump is designed for high flow rates to 6,250 gpm, moderate heads to 96 feet and solids handling to 3”, making it perfect for sewage bypass pumping or general construction dewatering where moderate air handling is required.

Features

- Standard engine – John Deere 6068T
  Also available with Deutz engine
- Fully automatic, dry priming to 28 feet.
- Moderate heads to 96 feet; Maximum flows to 6,250 gpm.
- Compact unit available with modular frame.
- Maximum operating time is 12 hours @ 1,800 rpm
- ENVIROPRIME® compressor-assisted priming system prevents blow-by allowing pump to be environmentally safe.



** Some features not available on all models*

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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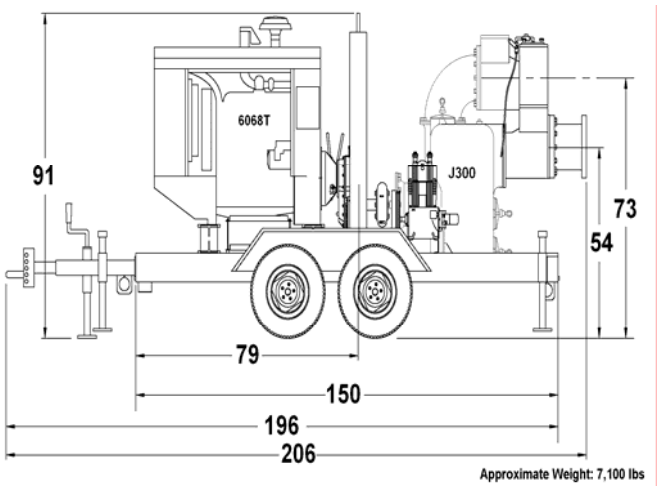
12HTC-DJDST-6068T Dimensions

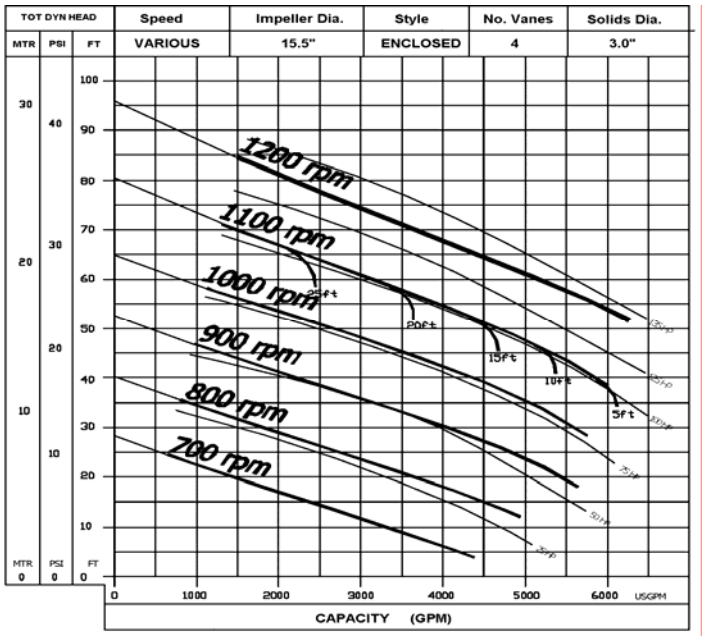


Materials of Construction

Pump Casing: Heavy-duty class 30 cast-iron with built-in volute.
Impeller: Dynamically balanced, four-vane, non-clogging, semi-open with full rear-shroud, ductile iron, with rear-equalizing vanes to reduce axial loading and prolong seal and bearing life. Diameter 15.5”
Mechanical Seal: 65 mm type AR3, grease or oil lubricated and equipped with Tungsten Carbide rotating and stationary seal faces. Single inside mounted, non-pusher type with self-adjusting elastomeric bellows. All other components are 304 stainless steel and Viton.
Head: Rugged, back pull out design, heavy-duty class 30 cast iron with tapered bore design.
Bearings & Frame: Heavy-duty grease lubricated to carry both axial and radial loads. Class 30 cast iron frame
Shaft: SAE 4140 alloy steel and fitted with a 304 stainless steel shaft sleeve.
Wear Plate: Replaceable, class 30 cast iron with abrasion resistant rubber facing to extend service life

12HTC-DJDST-6068T Performance Curve

Hydraulic Institute



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: 0.376 lb/hp-hr @ 1,800 RPM
Safety Shutdowns: High coolant temperature; Low oil pressure.

Unit Specifications

Fuel Tank Capacity: 81 US gallons
Fuel Consumption: 6.53 gallons per hour
Maximum Operating Speed: 1,200 rpm
Maximum Operating Temperature: 212°F
Maximum Working Pressure: 60 psi
Maximum Suction Lift: 28 feet
Maximum Casing Pressure: 62 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.

4620 City Center Drive, Port Orange, FL, 32129, USA (800) 767-7310 ✷ Fax (386) 761-0362
Email: sales@thompsonpump.com ✷ www.thompsonpump.com

CERTIFIED PERFORMANCE cpb CONTRACTOR PUMP BUREAU

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