

PrimeRite™



Specifications
Options | Parts
Applications | Features

CT004 | CT006
CT008 | CT012

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***Construction Dewatering
Sewage Bypass
Flood Drainage
Mine/Quarry Dewatering
Municipal
General Industrial***



PRIMERITETM

Automatic Dry Priming Trash Pump

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Materials & Specifications

- **Impeller:** Hardened, high-chromium, wear-resistant cast iron: KmTBCr26 with Brinell hardness > 558
- **Wear plates:** Hardened, high-chromium, wear-resistant cast iron: KmTBCr26 with Brinell hardness > 558
- **Pump casing:** High-grade, spheroidal graphite (ductile) cast iron
- **Shaft:** Heat treated 1045 steel
- **Compressor:** Belt-driven or engine mounted - oil and water cooled
- **Priming assembly:** Stainless steel, dual venturi with mesh strainer
- **Engine Control Panel:** Tach, hour meter, keyed switch, emergency shut-off and overspeed protection
- **Discharge non-return valve:** Val-Matic Swing Flex check valve
- **Mechanical seal:** All stainless steel with silicon carbide faces



Performance

Model	Engine Choices	Continuous operation HP @ 1800 RPM	Max Flow GPM	Max Head FT	Solids IN	Dimensions H" x L" x W"	Weight LBS	Fuel Tank GAL
CT004	Caterpillar or Perkins	30	1320	157	1 1/2	75 x 93 x 40	3150	78
CT006		55	2450	145	3	75 x 93 x 44	3300	78
CT008	John Deere or Deutz	75	3125	170	3 1/8	77 x 108 x 51	3500	94
CT012		125	6500	120	3 1/8	96 x 140 x 62	5250	187

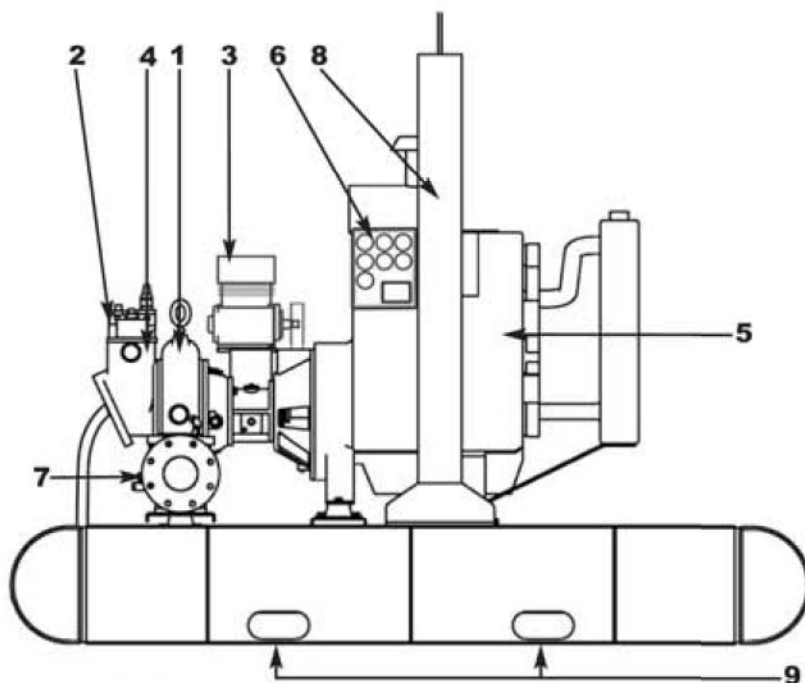
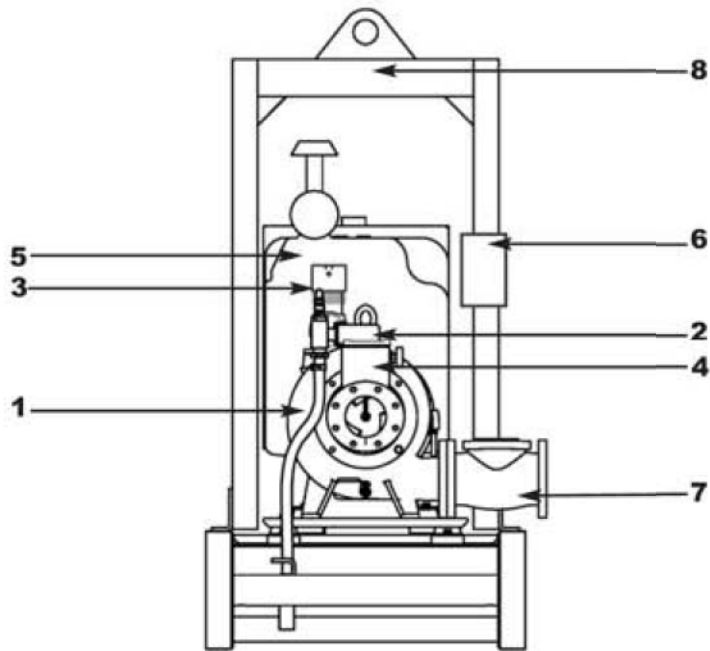
Dimensions and weights are for skid models, dry weights and are approximate. See individual model cutsheets for portable dimensions. Width is to check valve face.

Silent Partner

- Quiet as a business office - 68 dB(A) @ 7M away - operating at full rated capacity based on CPB standards.
- Heavy-duty steel enclosure with sound-absorbing insulation, engine vibration isolators, priming exhaust muffler and residential grade muffler for quiet, trouble free operation.
- Quick and easy access to all critical components with multiple large access panels.
- Doors open to the side to avoid head injuries and the problems of limp struts that won't hold the panels open. Doors have lift off hinges.
- Runs cool for long engine life.
- Lifting bail
- Designed specifically for pumping in tough environments.
- Engine/Pump Control Panel is protected inside the enclosure but can be observed and accessed through a special window.
- Easy access to suction and discharge fittings.
- Available in skid or DOT highway trailer.
- Available on PrimeRites™, RotoFlos™ and drive units for DuraFlos™ and HydraFlos™.
- Remote volute drain on PrimeRites™.
- Entire enclosure unbolts to provide complete access to the pump, engine and all components.
- Remote engine oil drain to make oil changes quick and easy.
- Radiator access port for external topping off.
- Exhaust in secondary enclosure to reduce temperature and keep the inside clean.
- Lockable enclosure.
- Bolt together modular construction – easily remove or add: lifting bail, tow bar, axle and bumpers to go from skid to portable or vice versa.



Take a closer look...



Parts

1. PrimeRite™ Volute
2. Priming Assembly
3. Compressor
4. Priming Chamber
5. Diesel Engine
6. Control Panel
7. Non-return Check Valve
8. Lifting Bail
9. Forklift Slots



PrimeRite's open impeller is the ideal blend of efficiency and capability to pass job site trash and sewage.

Options

- Engines – Caterpillar, Perkins, John Deere and Deutz available
- Skid mounted standard - Trailer mounted unit optional with torsion bar suspension
 - Drawbar with lunette for pintle hook - other connections available
- Optional DOT package with brakes, lights and fenders
 - Surge brakes standard, electric brakes available
- Optional Auto Start-Stop Panels
- Optional float sets for connection to panel
- ANSI pattern flanges standard for suction and discharge connection
 - Optional Bauer-type or Camlock fittings available
- Engine - Mounted compressor for priming system - additional or in lieu of pump-mounted compressor. Limited availability.
- Cold weather start system for operations in temperatures below freezing.
- Electric motor driven pump - skid or portable
 - Control panel with starter - optional
- Pump end with compressor and priming system mounted.
- Pump end only
- Discharge and Suction hoses

PrimeRite™

MWI's Automatic Dry Priming Trash Pump

MWI's PrimeRite™ is one tough pump. This automatic, dry-priming, trash pump is the ideal choice for contractors, dewatering firms, sewage bypass operations, mine/quarry operators, municipalities, and industrial operations. It is tough. It is rugged. It is reliable. It is inexpensive to operate, maintain and repair. Our pumps are designed for the toughest applications and then tested extensively in the most demanding environments. The PrimeRite™ primes and reprimed automatically using the pump or engine mounted air compressor with a specially designed priming venturi which quickly draws the water into the pump. Its oil-filled bearing box and oil-bathed mechanical seal enable it to run dry indefinitely. It will "snore" as it continues to draw water into it when the flows are inconsistent. The open impeller is ideal for dealing with sewage and debris from construction sites with solids up to 3 1/8". The PrimeRite™ is the optimized blend of performance, reliability, ease of maintenance, low operational costs and initial cost. It will hit your "sweet spot", allowing the best possible ROI.



Applications

Construction job site dewatering: An excellent choice as an all round, versatile pump that automatically primes and reprimed and is not affected by normal construction debris.

Sewage bypass operations: Great pump for bypassing sewage and/or wastewater while working on the lines or dealing with breaks in the lines. Ease of operation, dependability, automatic priming and an open impeller which handles sewage all combine to make this a great choice.

Mines/Quarries: Heavy duty pump with extra hard impeller and wear plates and high performance coupled with dependable, easy operation plus self priming make this the pump of choice.

Municipalities: The best all around pump you can find to keep for general and emergency use: completely self contained, with high performance and high dependability - easy to move around and can be used in multiple applications.

Industrial: A versatile pump suited for a variety of applications and pumped materials, it provides great flexibility along with dependability.

Features

MWI Name: We've been in the business for over 80 years due to a focus on designing and building great pumps, on pleasing customers and standing behind our products. If it says MWI, you can be assured of a quality product and total support.

Optimized Design: Best combination of competing parameters integrated into the "sweet spot" package to provide satisfied customers and the best ROI. Our pumps are extensively tested and continually refined in demanding rental operations.

Rugged, Reliable, Dependable: The number one requirement of our customers is a tough, dependable pump that will not require expensive service calls on job sites and cut into profit margins. That's what we deliver.

Affordable Spare Parts: Some companies sell low price products and then make their money on the back end with expensive spare parts. There are no games at MWI. We stock and sell spare parts that are reasonably priced.

Complete & Self Contained Units: Units have everything needed for operation: high performance pump, dependable diesel engine, controls, priming system, skid or portable frame with lifting bail, forklift slots and integral fuel tank.

Modular Design: Skid or portable are all bolt together construction – fuel tank/platform, bumpers, tow bar, fenders, axle, lights, lifting bail – making job site repairs easy and allowing conversion between skid and portable.

Special Extreme Hardness Wear Plates & Impeller: Brinell hardness exceeding 558 resists abrasion from sand, slurries and other abrasive materials.

Primes & Reprimed Automatically: Priming system will pull water into the pump and then continue to reprime as needed, based on water flows. Will "snore" with intermittent flows.

Runs Dry Indefinitely: Oil-filled, robust bearings and oil bathed mechanical seals enable it to run dry with no damage. Turn it on and forget it until fuel or service time.



PRIMERITE™ CT004

4" x 4" Automatic Dry Priming Pump

Applications:

- Construction Dewatering
- Sewage Bypass
- Flood Drainage
- Mining/Quarries
- Municipal
- General Industrial



Member of
Hydraulic
INDUSTRY

The PrimeRite™ is the perfect pump for contractors, pump rental companies, mining operators and general industrial or municipal use. This robust, rugged and reliable, automatic dry priming, trash handling pump is designed and built for the most demanding environments – where pumps operate unattended; 24/7. The CT004 is capable of flow rates up to 1320 GPM, total dynamic heads to 157' and solids handling to 1 1/2".

The PrimeRite's™ oil-filled bearing box and a mechanical seal in an oil bath enable it to run dry all day long; making it the right choice for handling inconsistent flows found in sewage bypass pumping and job site dewatering. Its open impeller handles sewage or normal job site debris with ease. Units are completely self contained in either skid or trailer configurations with integral lifting bail, tie downs and fuel tank. Want the Best – Buy from the Best.

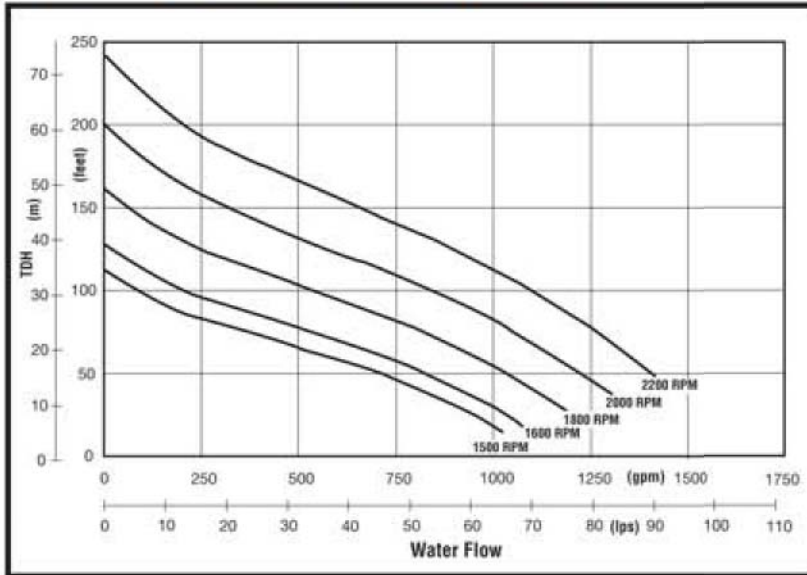
FEATURES

- Flows up to 1320 GPM
- Heads up to 157' TDH
- Passes 1 1/2" solids
- Primes and reprimates automatically
- Indefinite run dry capability
- Stainless steel venturi priming system
- Compressor is water cooled and oil lubricated
- Vacuum lift to 28'
 - Vacuum gauge
- Lockable fuel cap
- Forklift slots (skid models)
- Integral 78 gallon fuel tank with gauge
- Skid or optional trailer mounted
 - Torsion bar axle
 - DOT light kit available*
 - Electric or surge brakes available*
 - Front and rear stabilizing jacks
 - 3" Lunette ring for Pintle Hitch - Other options available
- Heavy-duty truck tie downs
- Lifting bail
- Mechanical seal and bearing box oil-level sight glasses
 - *Required for highway use
- Discharge check valve
- Engines - Caterpillar, Perkins, John Deere and Deutz available
 - Flexible flywheel coupling
 - Engine control panel with tach, hour meter, overspeed protection and safety shutdowns
- Volute drain
- 4" ANSI Pattern Flanges – Suction and discharge
- Optional Bauer-type fittings shown
 - Other fittings available
- Optional float-activated, Auto Start/Stop controls

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CT004 PERFORMANCE

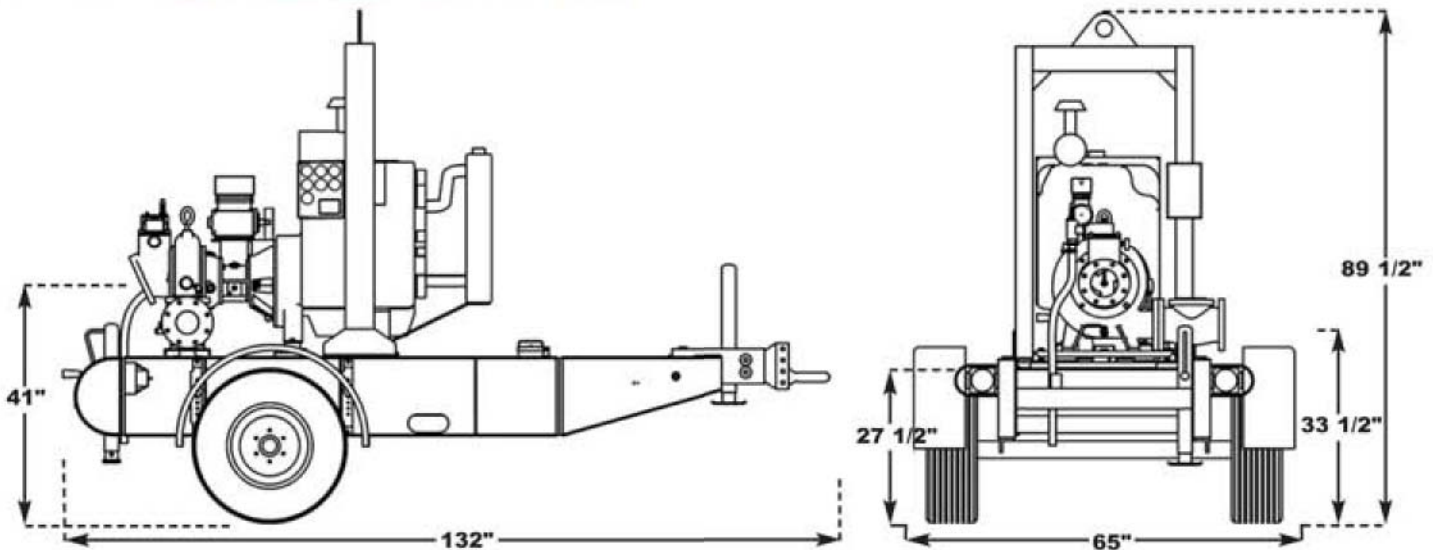


The PrimeRite™ pump performance is based on clean water at sea level, with 10' suction lift. With the standard diesel engine, the CT004 will perform up to 1800 RPM.

Materials & Specifications

- **Impeller and Wear Plates:** Hardened, high-chromium, wear-resistant cast iron – KmTBCr26 with Brinell hardness > 558
- **Pump casing:** High-grade, spheroidal graphite (ductile) cast iron
- **Shaft:** Heat treated 1045 steel
- **Engine:** Diesel engine rated at 30 net continuous HP at 1800 RPM
- **Compressor:** Belt-driven, oil lubricated and water cooled or engine mounted (optional with some models)
- **Priming assembly:** Stainless steel venturi
- **Control Panel:** Tach and hour meter, including shutdowns for: low oil pressure, high coolant temperature and overspeed
- **Discharge non-return valve:** Val-Matic Swing Flex check valve
- **Mechanical seal:** Stainless steel with silicon carbide faces
- **Weight of trailer mounted unit:** 3500 lbs (dry)

PHYSICAL DATA



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PRIMERITE™ CT006

6" x 6" Automatic Dry Priming Pump



Applications

- Construction Dewatering
- Sewage Bypass
- Flood Drainage
- Mining/Quarries
- Municipal
- General Industrial



Member of:
Hydraulic

The PrimeRite™ is the perfect pump for contractors, pump rental companies, mining operators and general industrial or municipal use. This robust, rugged and reliable, automatic dry priming, trash handling pump is designed and built for the most demanding environments - where pumps operate unattended; 24/7. The CT006 is capable of flow rates up to 2450 GPM, total dynamic heads to 145' and solids handling to 3".

The PrimeRite's™ oil-filled bearing box and a mechanical seal in an oil bath enable it to run dry all day long; making it the right choice for handling inconsistent flows found in sewage bypass pumping and job site dewatering. Its open impeller handles sewage or normal job site debris with ease. Units are completely self contained in either skid or trailer configurations with integral lifting bail, tie downs and fuel tank. Want the Best - Buy from the Best.

FEATURES

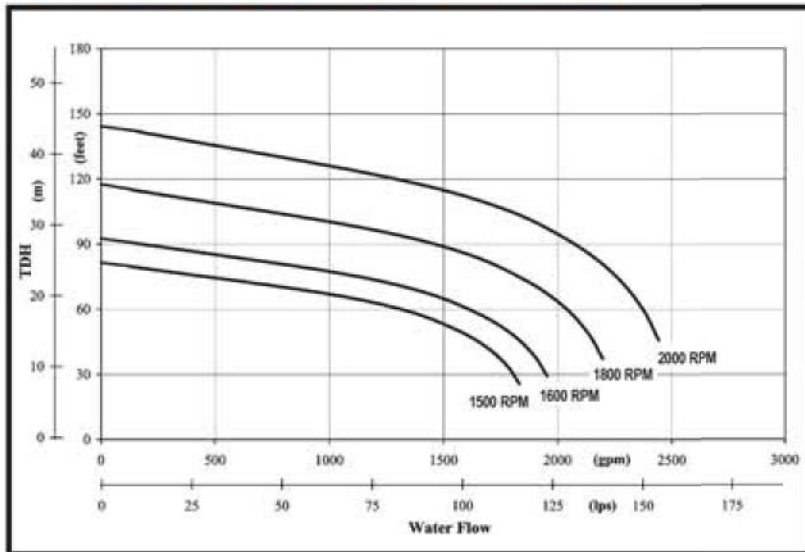
- Flows up to 2450 GPM
- Heads up to 145' TDH
- Passes 3" solids
- Primes and reprimers automatically
- Indefinite run dry capability
- Stainless steel venturi priming system
- Compressor is water cooled and oil lubricated
- Vacuum lift to 28'
 - Vacuum gauge
- Lockable fuel cap
- Forklift slots (skid models)
- Integral 78 gallon fuel tank with gauge
- Skid or optional trailer mounted
 - Torsion bar axle
 - DOT light kit available*
 - Electric or surge brakes available*
 - Front and rear stabilizing jacks
 - 3" Lunette ring for Pintle Hitch - Other options available
- Heavy-duty truck tie downs
- Lifting bail
- Mechanical seal and bearing box oil-level sight glasses
- Discharge check valve
- Engines - Caterpillar, Perkins, John Deere and Deutz available
 - Flexible flywheel coupling
 - Engine control panel with tach, hour meter, overspeed protection and safety shutdowns
- Volute drain
- 6" ANSI Pattern Flanges - Suction and discharge
- Optional Bauer-type fittings shown
 - Other fittings
- Optional float-activated, Auto Start/Stop controls

*Required for highway use

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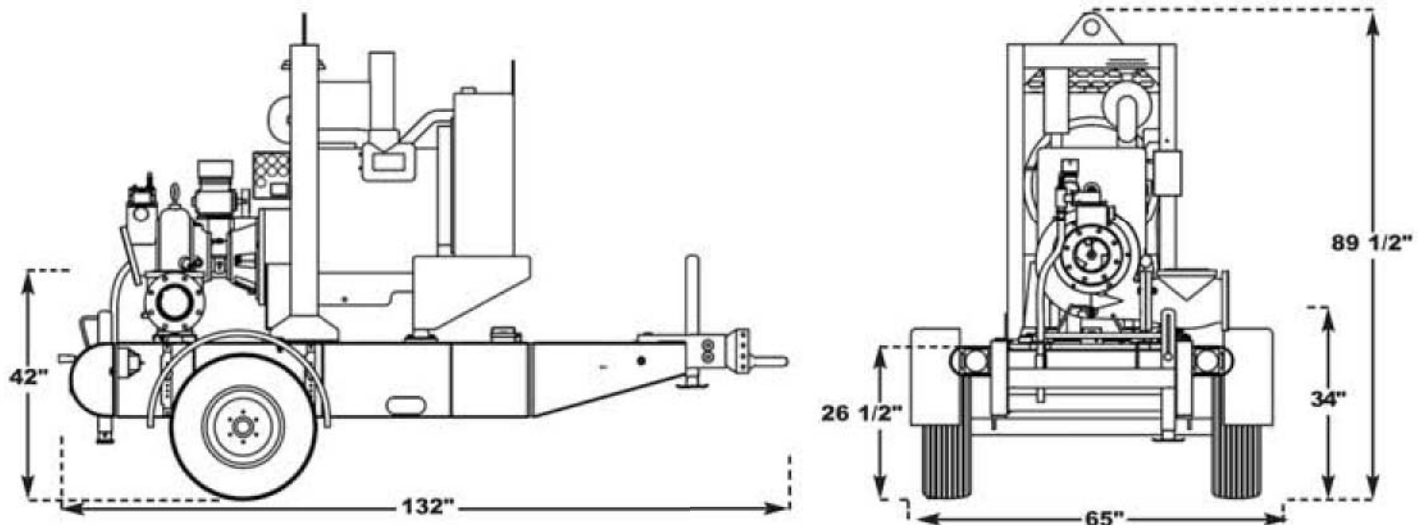
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CT006 PERFORMANCE



The PrimeRite™ pump performance is based on clean water at sea level, with 10' suction lift. With the standard diesel engine, the CT006 will perform up to 2000 RPM.

PHYSICAL DATA



Materials & Specifications

- **Impeller and Wear Plates:** Hardened, high-chromium, wear-resistant cast iron – KmTBCr26 with Brinell hardness > 558
- **Pump casing:** High-grade, spheroidal graphite (ductile) cast iron
- **Shaft:** Heat treated 1045 steel
- **Engine:** Diesel engine rated at 55 net continuous HP at 1800 RPM
- **Compressor:** Belt-driven, oil lubricated and water cooled or engine mounted (optional with some models)
- **Priming assembly:** Stainless steel venturi
- **Control Panel:** Tach and hour meter, including shutdowns for: low oil pressure, high coolant temperature and overspeed
- **Discharge non-return valve:** Val-Matic Swing Flex check valve
- **Mechanical seal:** Stainless steel with silicon carbide faces
- **Weight of trailer mounted unit:** 3700 lbs (dry)

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PRIMERITE™ CT008

8" x 8" Automatic Dry Priming Pump



Applications

- Construction Dewatering
- Sewage Bypass
- Flood Drainage
- Mining/Quarries
- Municipal
- General Industrial



Member of:
Hydraulic

The PrimeRite™ is the perfect pump for contractors, pump rental companies, mining operators and general industrial or municipal use. This robust, rugged and reliable, automatic dry priming, trash handling pump is designed and built for the most demanding environments – where pumps operate unattended; 24/7. The CT008 is capable of flow rates up to 3125 GPM, total dynamic heads to 170' and solids handling to 3 1/8".

The PrimeRite's™ oil-filled bearing box and a mechanical seal in an oil bath enable it to run dry all day long; making it the right choice for handling inconsistent flows found in sewage bypass pumping and job site dewatering. Its open impeller handles sewage or normal job site debris with ease. Units are completely self contained in either skid or trailer configurations with integral lifting bail, tie downs and fuel tank. Want the Best – Buy from the Best.

FEATURES

- Flows up to 3125 GPM
- Heads up to 170' TDH
- Passes 3 1/8" solids
- Primes and reprimers automatically
- Indefinite run dry capability
- Stainless steel venturi priming system
- Compressor is water cooled and oil lubricated
- Vacuum lift to 28'
 - Vacuum gauge
- Lockable fuel cap
- Forklift slots (skid models)
- Integral 94 gallon fuel tank with gauge
- Skid or optional trailer mounted
 - Torsion bar axle
 - DOT light kit available*
 - Electric or surge brakes available*
 - Front and rear stabilizing jacks
 - 3" Lunette ring for Pintle Hitch - Other options available
- Heavy-duty truck tie downs
- Lifting bail
- Mechanical seal and bearing box oil-level sight glasses
- Discharge check valve
- Engines - Caterpillar, Perkins, John Deere and Deutz available
 - Flexible flywheel coupling
 - Engine control panel with tach, hour meter, overspeed protection and safety shutdowns
- Volute drain
- 8" ANSI Pattern Flanges – Suction and discharge
- Optional Bauer-type fittings shown
 - Other fittings available
- Optional float-activated, Auto Start/Stop controls

*Required for highway use

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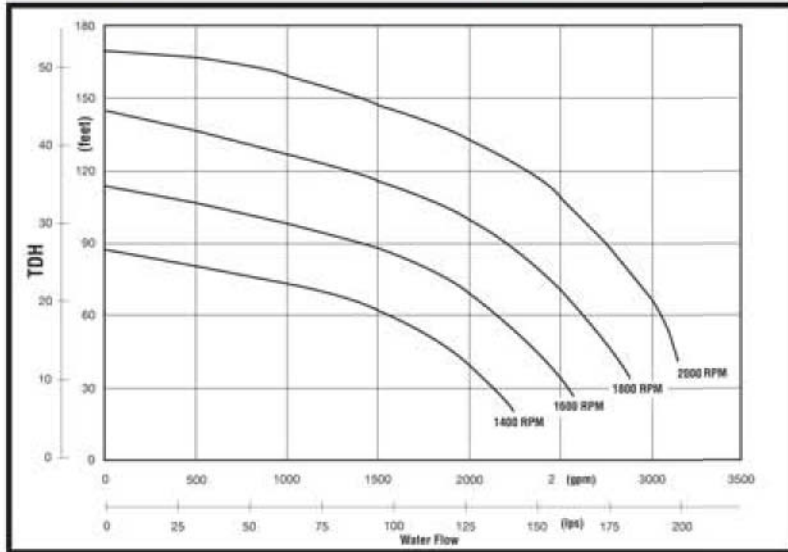
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**Moving
Water
Industries**

PRIMERITE™ CT008

CT008 PERFORMANCE

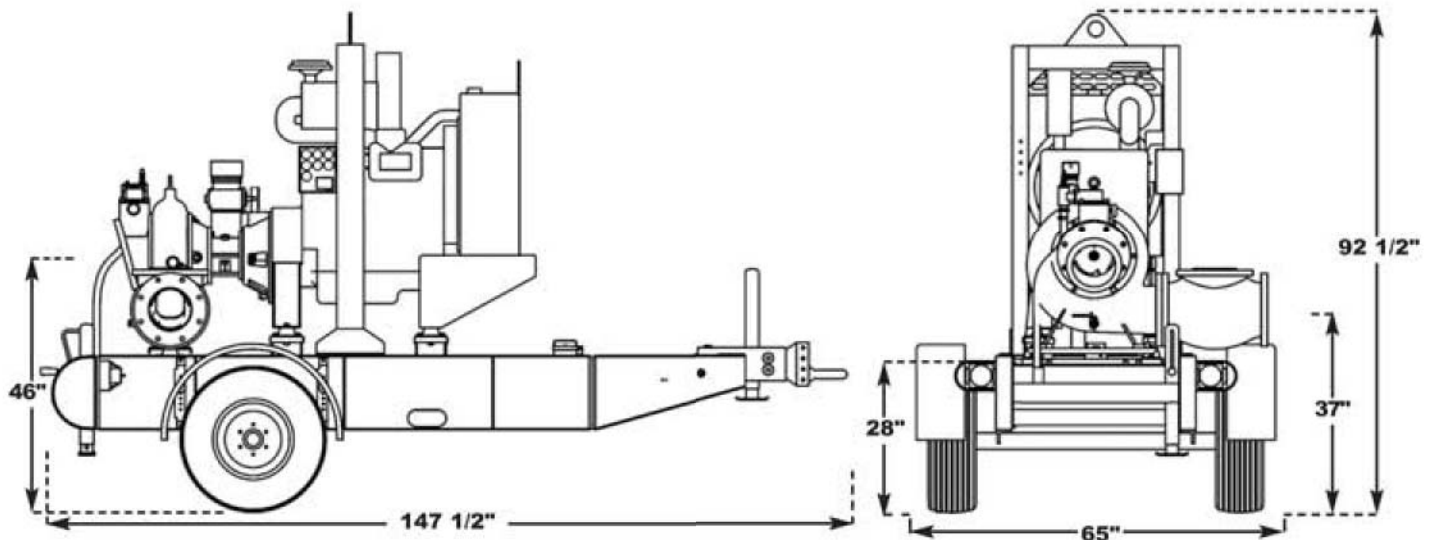


The PrimeRite™ pump performance is based on clean water at sea level, with 10' suction lift. With the standard diesel engine, the CT008 will perform up to 2000 RPM.

Materials & Specifications

- **Impeller and Wear Plates:** Hardened, high-chromium, wear-resistant cast iron - KmTBCr26 with Brinell hardness > 558
- **Pump casing:** High-grade, spheroidal graphite (ductile) cast iron
- **Shaft:** Heat treated 1045 steel
- **Engine:** Diesel engine rated at 75 net continuous HP at 1800 RPM
- **Compressor:** Belt-driven, oil lubricated and water cooled or engine mounted (optional with some models)
- **Priming assembly:** Stainless steel venturi
- **Control Panel:** Tach and hour meter, including shutdowns for: low oil pressure, high coolant temperature and overspeed
- **Discharge non-return valve:** Val-Matic Swing Flex check valve
- **Mechanical seal:** Stainless steel with silicon carbide faces
- **Weight of trailer mounted unit:** 3900 lbs (dry)

PHYSICAL DATA



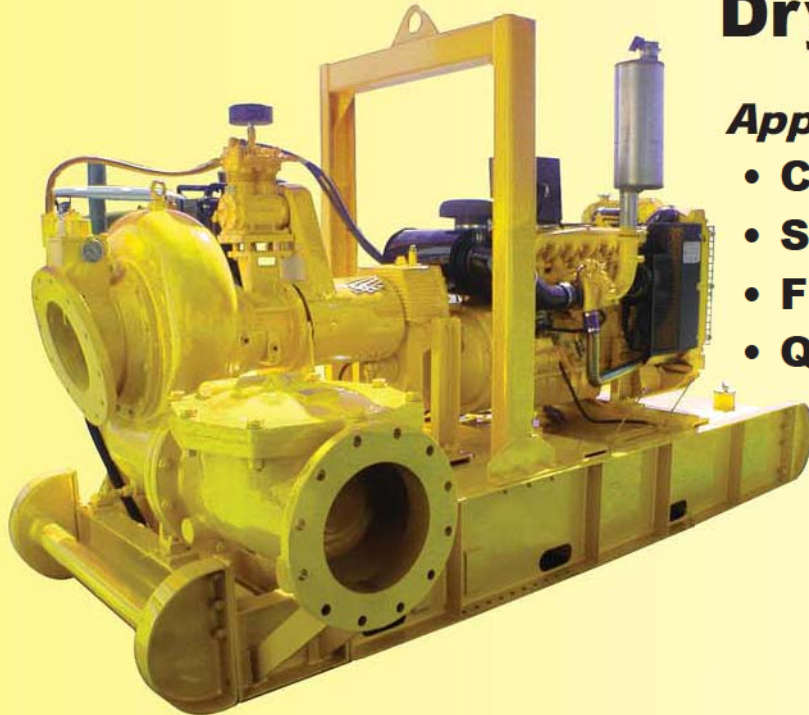
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PRIMERITE™ CTO 12

12" x 12" Automatic Dry Priming Pump



Applications

- Construction Dewatering
- Sewage Bypass
- Flood Drainage
- Quarry Dewatering



Member of:
Hydraulic
INSTITUTE

The PrimeRite is the perfect pump for contractors, pump rental companies, mining operators and general industrial or municipal use. This robust, rugged and reliable automatic dry priming, trash handling pump is designed and built for the most demanding environments - where pumps operate unattended 24/7. The CTO12 is capable of flows rates up to 7000 GPM, total dynamic head up to 120' and solids handling up to 3 1/8".

The PrimeRite uses an oil-filled bearing box and a mechanical seal in an oil bath which allows it to run dry all day long making it the right choice for handling inconsistent flows found in sewage bypass pumping and job site dewatering. Its open impeller handles sewage or normal job site debris with ease. Units are completely self contained in either skid or trailer configurations with integral lifting bail, tie downs and fuel tank. Want the Best - Buy from the Best.

FEATURES

- Flows up to 7000 GPM
- Heads up to 120' TDH
- Passes 3 1/8" solids
- Primes and reprimed automatically
- Indefinite run dry capability
- Stainless steel venturi priming system
 - Compressor is water cooled and oil lubricated
 - Vacuum lift to 28'
 - Vacuum gauge
- Lockable fuel cap
- Integral 187 gallon fuel tank with gauge
- Skid or optional trailer mounted
 - Torsion bar axle
 - DOT light kit available*
 - Electric or surge brakes available*
 - Front and rear stabilizing jacks
 - 3" Lunette ring for Pintle Hitch - Other options available
- Heavy-duty truck tie downs
- Lifting bail
- Mechanical seal and bearing box oil-level sight glasses
- Discharge check valve
- Engines- Caterpillar, Perkins, John Deere and Deutz available
 - Flexible flywheel coupling
 - Engine control panel with tach, hour meter, overspeed protection and safety shutdowns
- Volute drain
- 8" ANSI Flanges - Suction and discharge
- Optional Bauer-type fittings shown
 - Other fittings available
- Optional float-activated Auto Start/Stop controls available

*Required for highway use

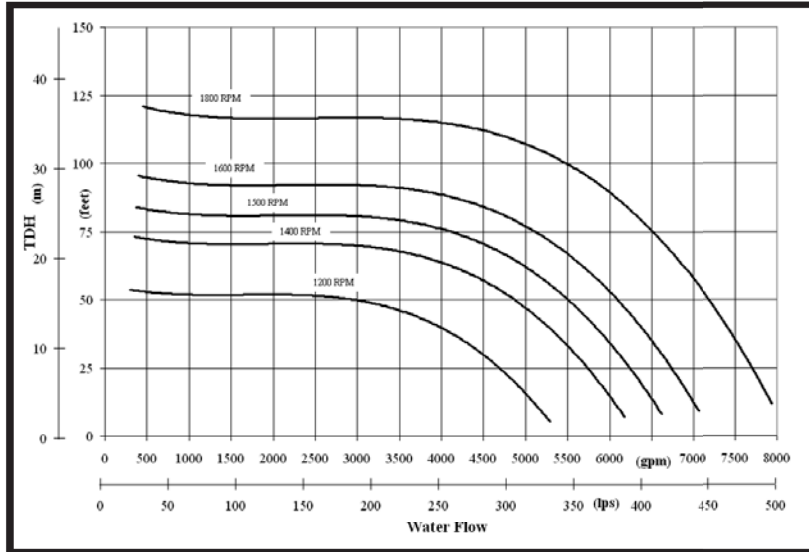
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CTO 12 PERFORMANCE

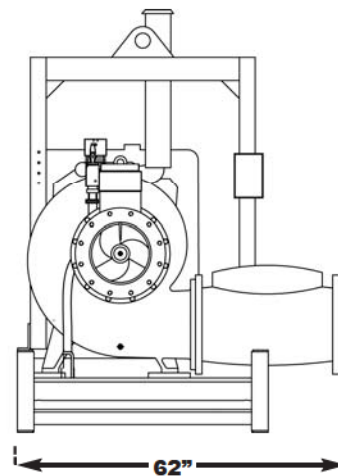
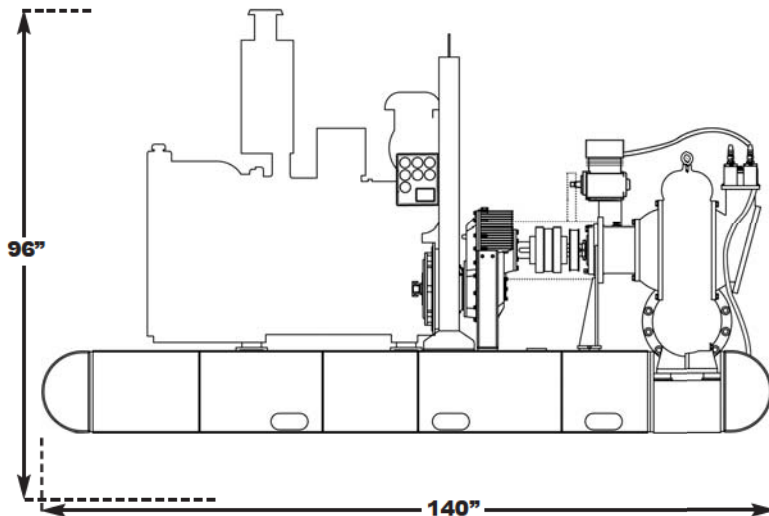


The PrimeRite™ pump performance is based on clean water at sea level, with 10' suction lift.

Materials & Specifications

- **Impeller and Wear Plates**– Hardened, high-chromium, wear-resistant cast iron - KmTBCr26 with Brinell hardness > 558
- **Pump casing** high-grade spheroidal graphite (ductile) cast iron.
- **Shaft:** Heat treated 1045 steel
- **Engine:** Diesel engine with 145 net continuous HP @1800 RPM
- **Compressor:** Belt-driven, oil lubricated and water cooled or engine mounted (optional)
- **Priming assembly:** Stainless steel venturi
- **Control Panel:** Tach and hour meter, including shutdowns for: low oil pressure, high coolant temperature and overspeed.
- **Discharge non-return valve:** Val-Matic Swing Flex check valve
- **Mechanical seal faces:** Silicon carbide
- **Weight of trailer mounted unit:** 7500 lbs (dry)

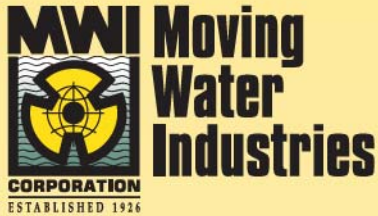
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SilentPartner

Sound Attenuated Enclosure

Perfect for

- Residential Areas
 - Hospitals
 - Government Buildings
 - Schools
 - Religious Facilities
- Or wherever else quiet operations are required*



MWI introduces the newest addition to its lineup – The Silent Partner. Shown above is the high-performance, automatic-priming, run-dry PrimeRite™ pump with the specially designed, sound attenuation enclosure. These units are perfect for residential areas, near hospitals, government buildings or schools and wherever else quiet operations are required. The design of the Silent Partner is optimized for pumps that are run hard in difficult environments. Silent Partners are quiet, run cool, provide easy access to all components and are heavy duty.

Features

- Quiet as a business office - 68 DB @ 7M away - operating at full rated capacity based on CPB standards
- Heavy-duty steel enclosure with sound-absorbing insulation, engine vibration isolators, priming exhaust muffler and Cowl critical grade muffler for quiet, trouble free operation.
- Quick and easy access to all critical components with multiple large access panels.
- Doors open to the side to avoid head injuries and the problems of limp struts that won't hold the panels open.
- Runs cool for long engine life.
- Lifting bail.
- Designed specifically for pumping in tough environments.
- Engine/Pump Control Panel is protected inside the enclosure but can be observed and accessed through a special window.
- Easy access to suction and discharge fittings.
- Available in skid or DOT highway trailer.
- Available on PrimeRites™, RotoFlos™ and drive units for DuraFlos™ and HydraFlos™.
- Remote volute drain on PrimeRites™.
- Entire enclosure unbolts to provide complete access to the pump, engine and all components.
- Remote engine oil drain to make oil changes quick and easy.
- Radiator access port for external topping off.
- Exhaust in secondary enclosure to reduce temperature and keep the inside clean.
- Lockable enclosure.
- Bolt together modular construction – easily remove or add: lifting bail, tow bar, axle and bumpers to go from skid to portable or vice versa.

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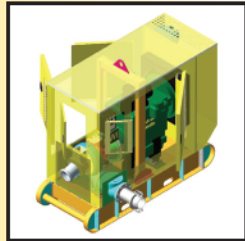
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SilentPartner

Sound Attenuated Enclosure

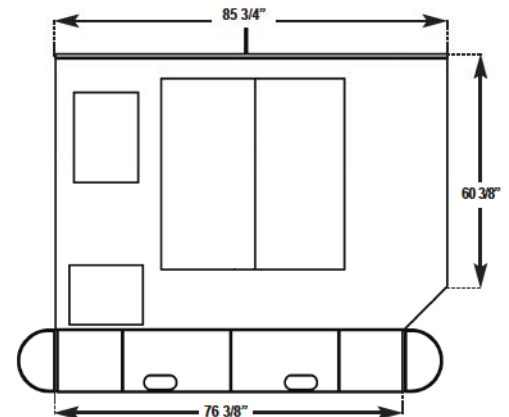
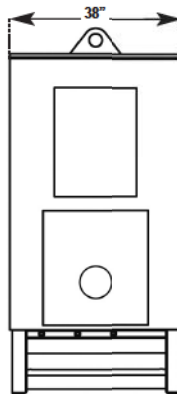
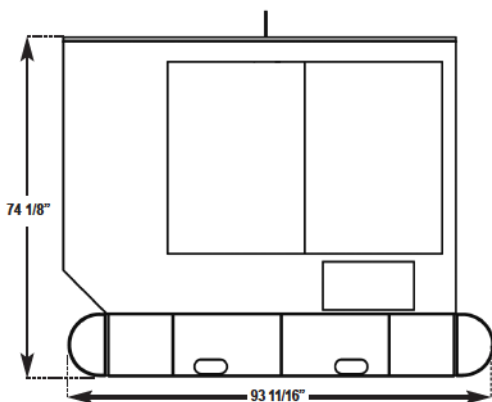
Take a Look Inside...



Control Panel

The Murphy Cascade Engine Control Panel is protected behind a lockable clear window that provides easy access. This panel is designed for unattended operation with first fault indicator lights and auto start-stop for float controlled operations.

Side & End Views



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RotoFlo™



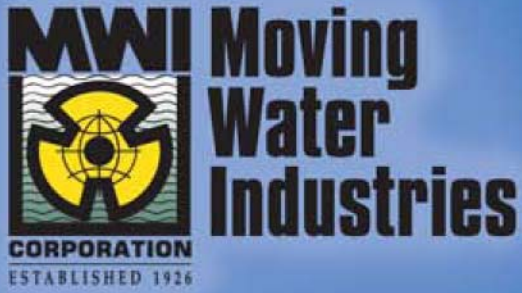
**Applications | Advantages
Specifications**

Why Choose a RotoFlo™

RWP006 | RWP008 | RWP010



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Featuring:
On-site Maintenance
Extremely Low Downtime
Minimal Operating Cost
Simple & Inexpensive

ROTOFLOTM

Rotary Lobe Pump



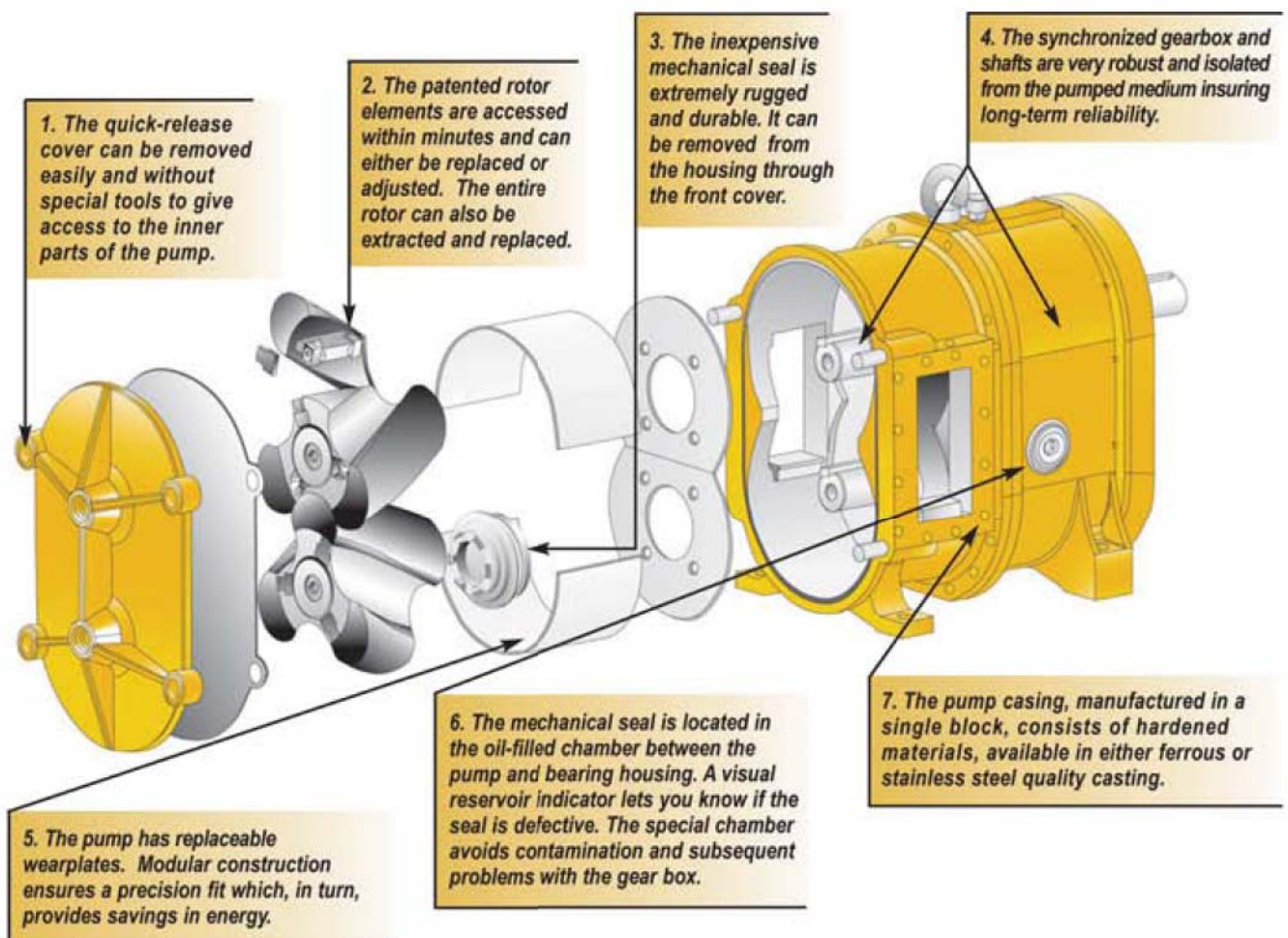
Wellpoint Dewatering

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TYPICAL APPLICATIONS



THE ADVANTAGES AT A GLANCE



QUICK & EASY TO WORK ON



The RotoFlo™ is quick and easy to work on. The photos above show the robust and simple gear box and pump chamber. Once the quick release end plate is off, the rotors and wear liners just slide in and out.

ROTOFLO™ MODELS

Model	Size Inches	Maximum GPM	Capacity GPH	Maximum CFM	Maximum Head Feet
RWP006	6	540	32,400	72	210
RWP008	8	1,650	99,040	221	277
RWP010	10	2,260	135,600	302	210
RWP012	12	3,300	198,000	441	210

The above figures reflect the potential performance with unconstrained horsepower and flooded suction. It is intended to allow comparison with other pump manufacturers who provide this type information. See the cutsheet on each model for detailed performance charts.

OPTIONS

- John Deere engines standard - other engines available
- Skid mounted standard - trailer mounted optional
 - DOT lights
 - Electric or surge brakes
 - Torsion bar axle
 - Front and rear stabilizing jacks
 - 2 ½ or 3" lunette ring for pintle hook - other options available
- ANSI flanges standard
 - Bauer-type and other fittings available
- The RotoFlo can be used in many different applications:
 - Eight different rotor configurations – 2 lobe, 3 lobe, straight and spiral for pulsation free operation
 - Entirely elastomer-coated rotors or pushed on tips
 - Multiple rotor base materials – stainless steel, cast iron, bronze, PFTE
 - 3 different casing materials to include stainless steel
 - Wastewater, industrial, chemical and oil
 - Contact MWI for more information

KEY INFORMATION

Model	John Deere Engine	Fuel Tank Gal	Dimensions W x L x H - Inches	Weight Pounds
RWP006	4024T	94	37 x 108 x 92	2700
RWP008	4024T	94	37 x 108 x 92	4200
RWP010	4045D	187	48 x 124 x 94	5400
RWP012	6068D/4045H	187	48 x 124 x 94	6200

* Dimensions and weight are approximate

ROTOFLO™

Rotary Lobe Pump

**Maintenance
in place**
MIP-CONSTRUCTION
MIP allows for quick and convenient
replacement of parts.

Why Choose a RotoFlo™?

Because the RotoFlo™ simply is the best combination of reliability, low operating cost, rapid onsite repairs, flexibility and performance of any wellpoint pump on the market.

- The RotoFlo™ is an unbeatable combination of a John Deere engine, Funk drive and RotoFlo™ pumphead.
- It is simple and made up of extremely rugged and robust components.
- It has no air/water separation chamber with floats, compressors or vacuum pumps to operate, maintain, repair or worry about.

Automatic Priming and Repriming - Unattended Operation

RotoFlo™ primes and automatically reprimed without any complicated mechanisms. The positive displacement pumphead moves air and/or water with equal ease. The rotors used for construction dewatering are pulsation free. Water can easily be pumped against high heads, allowing long runs for discharge piping. RotoFlo units can run unattended for hours.

Low Operating, Maintenance and Repair Costs

The RotoFlo™ has low operating costs. It consumes minimal fuel, thanks to the combination of a highly efficient pumphead and a fuel efficient diesel engine. Parts are inexpensive.

Low Down Time - Lightning Quick Repairs

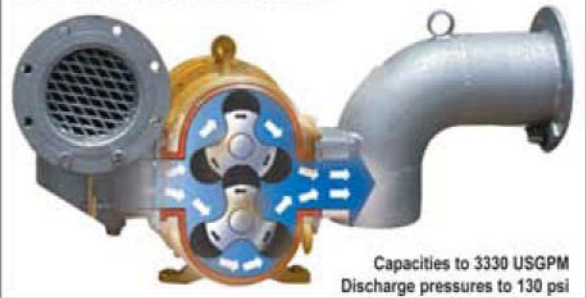
The RotoFlo™ is as rugged and reliable as a pump can be. When repairs are required they can be done rapidly and easily on site. The lobe tips can be replaced on site in half an hour. All of the lobe tips and the mechanical seals can be replaced on site in less than three hours. The cast iron rotors with elastomer tips minimize the problems of chunking that occurs with solid rubber rotors.

You can be back up and running in a short time with minimal impact on job sites. Many wellpoint pumps require a trip back to the factory and thousands of dollars to get you up and running again. Not the RotoFlo™, it is the contractor's most reliable friend!

Highly Versatile and Adaptable

The RotoFlo™ is very versatile. It will pump almost anything from sludge to wastewater to molasses. Different rotor shapes, materials and tips are available for various applications. You get double duty with this pump.

Take a look inside...



Capacities to 3330 USGPM
Discharge pressures to 130 psi



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Rotoflo™ RWP006

6" Rotary Lobe Pump

Applications

- Construction Dewatering
- Sock Operations
- Wellpoint Systems
- Remediation Services
- Multiple Fluid Transfer Capabilities



Member of:
Hydraulic
CORPORATION

The Rotoflo™ is a simple, rugged, self-priming, positive displacement pump - perfect for groundwater applications, including wellpoint and sock de-watering. The RWP006 is unrivaled in its ability to be repaired rapidly and easily on-site. Its quick-release cover can be removed with conventional hand tools to give access to the rotors, wear plates and seals. The Rotoflo's™ very low maintenance, minimal fuel usage, reliability and high effectiveness make it the right choice for dry holes. Want the Best - Buy from the Best.

Features

- High performance - See chart on back
- Max vacuum- 29Hg
- Solids handling - 1.4" (without screen)
- Engines - Caterpillar, Perkins, John Deere and Deutz available
- Engine control panel with safety shutdowns and overspeed protection
- 64 gallon integral fuel tank with gauge and lockable fuel cap
- Extended runtime in typical applications
 - Fuel consumption less than 1 gallon per hour on many applications
- Pulsation free rotor design
- Complete unit - Ready to operate
- Skid or optional trailer mounted
- Rotary lobes, wear plates and seals are quickly replaceable on site
- Vacuum and pressure gauges
- 6" Flapper check valve - Discharge
- 6" ANSI Pattern Flanges - Other connections available
- Vacuum relief valve
- Suction screen
- Visible mechanical seal replenishment reservoir
- Compact space-saving design
- Low noise operation
- Easy maintenance through quick release cover
- Stainless steel wear liners
- Automatic rotary pump temperature shutdown
- Lifting bail
- Complete wellpoint piping, points, jet pumps and accessories are available
- Up to 210 Ft TDH

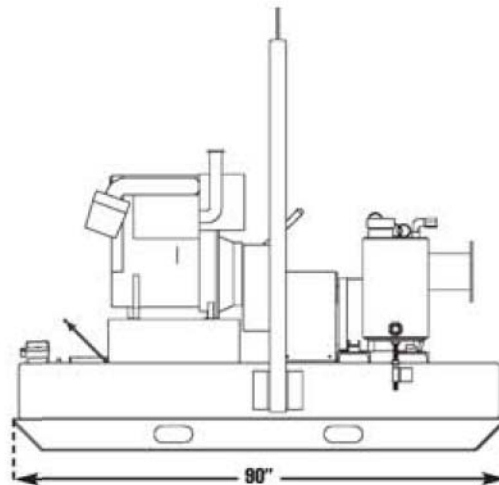
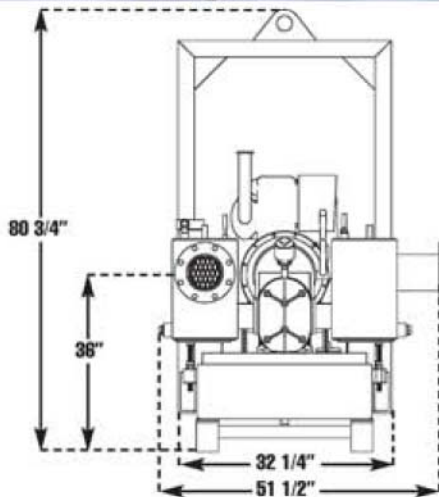
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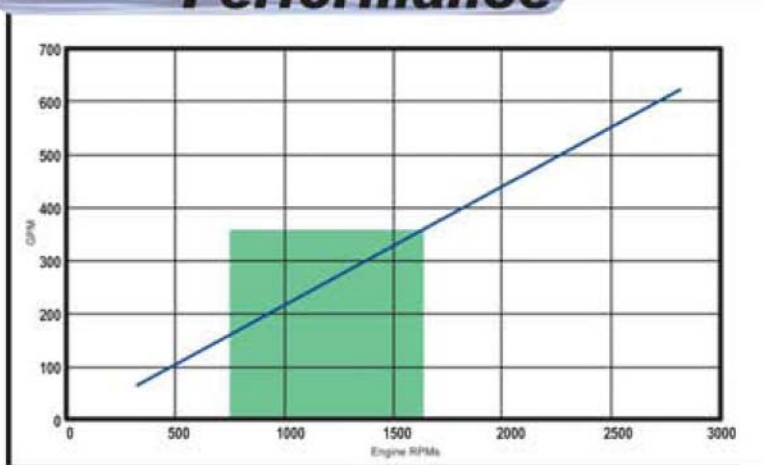
Rotoflo™ RWP006

6" Rotary Lobe Pump

Physical Data



Performance



The green shaded area represents the Rotoflo™ pump's normal performance with a standard John Deere engine at sea level and 30psi TDH.

Model	Size	Max. Capacity (GPM/GPH)	Max CFM	Max Head (FT)
RWP006	6"	540/32,400	72	210'

The figures in the small table above reflect the potential performance with unconstrained horsepower and no suction required. It is intended to allow comparison with other pump manufacturers who provide similar type information.

Materials & Specifications

- **Pump casing:** Wear and corrosion resistant cast iron. Special hardened ductile cast iron and stainless steel are available.
- **Wear liner:** Stainless steel
- **Shaft:** Oil-wetted shafts, not in contact with the pumped medium
- **Shaft sealing:** Mechanical seals with Silicon Carbide faces - oil bathed
- **Engine:** JD 4024T - 30 continuous HP @ 1800 RPMs
- **Control Panel:** Murphy standard - Shutdowns for coolant temperature, oil pressure, pump temperature and overspeed
- **Discharge:** 6" Flapper check valve
- **Suction/Discharge Tanks:** 10 gallons each
- **Rotary lobes:** standard cast iron body encapsulated with wear and age resistant Buna. Other coating materials available.
- **Coupling-** Funk reducer gear assembly with flexible coupling and manual clutch with protective cover
- **Weight 2700 lbs (dry)**



**Moving
Water
Industries**

Rotoflo™ RWP008

8" Rotary Lobe Pump



applications

- Construction Dewatering
- Sock Operations
- Wellpoint Systems
- Remediation Services
- Multiple Fluid Transfer Capabilities



Member of:
Hydraulic
INSTITUTE

The Rotoflo™ is a self-priming, positive displacement pump - perfect for groundwater applications, including wellpoint de-watering. The RWP008 is unrivaled in its ability to be repaired easily on-site. Its quick-release cover can be removed with conventional hand tools to give access to the inner parts of the pump without the removal of critical components. The Rotoflo™ is low maintenance and spare parts are inexpensive.

Features

- High performance - See chart on back
- Max vacuum 29hg
- Solids handling - 2.7" (without screen)
- Pulsation free
- Complete unit - Ready to operate
- Skid or optional trailer mounted
- John Deere Engine - Other brands available
- Murphy engine control panel
- 100 gallon integral fuel tank with gauge and lockable fuel cap
- Extended runtime in typical applications
- Rotary lobe tips are replaceable on site - in 30 minutes
- Patented rotor design
- Vacuum and pressure gauges
- 8" Flapper check valve - Discharge
- 8" ANSI Flanges - Other connections available
- Vacuum relief valve
- Suction screen
- Mechanical seal replenishment reservoir
- Compact space-saving design
- Low noise operation
- Easy maintenance through quick release cover
- Spare parts are inexpensive
- Stainless steel wear liners
- Automatic rotary pump temperature shutdown
- Lifting bail
- Complete wellpoint piping, points, jet pumps and accessories are available
- Fuel consumption as low as 1 gallon per hour on many applications

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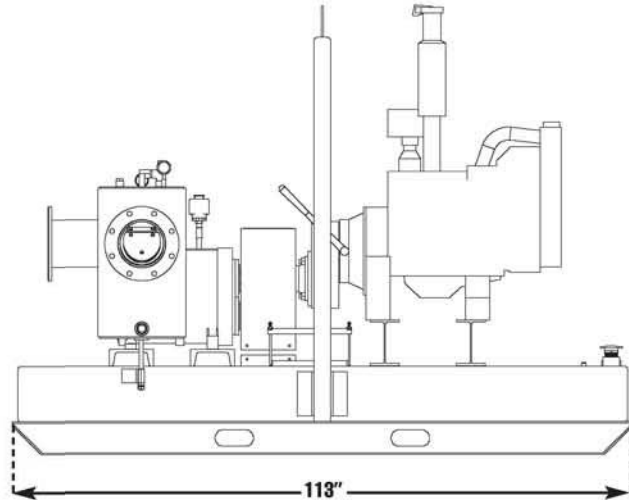
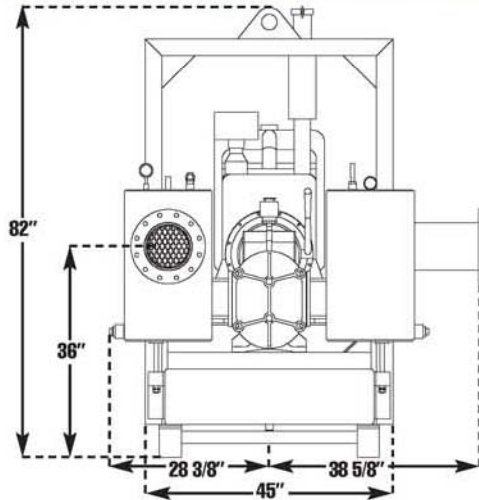


**Moving
Water
Industries**

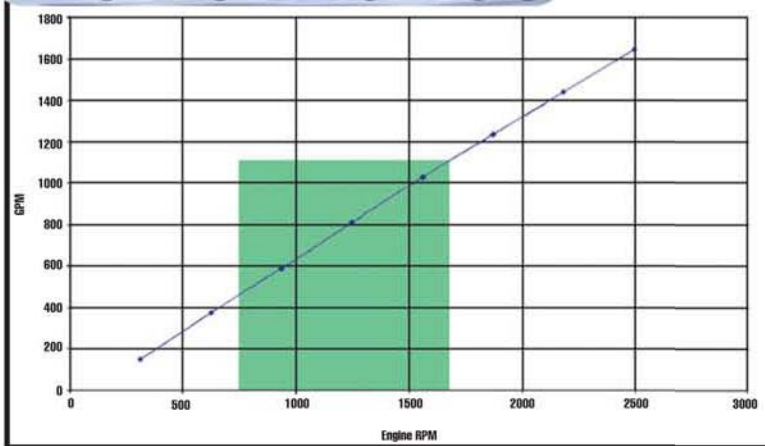
Rotoflo™ RWP008

8" Rotary Lobe Pump

Physical Data



Performance



The green shaded area represents the Rotoflo™ pump's normal performance with a standard John Deere engine at sea level and 30psi TDH.

Model	Size	Max. Capacity (GPM/GPH)	Max CFM	Max Head (FT)
RWP008	8"	1650/99,040	235	277'

The figures in the small table above reflect the potential performance with unconstrained horsepower and no suction required. It is intended to allow comparison with other pump manufactures who provide similar type information.

Materials & Specifications

- **Pump casing:** Wear and corrosion resistant - Cast iron
Special hardened ductile cast iron and carbon steel are available.
- **Wear liner:** Corrosion resistant stainless steel
- **Shaft:** Oil-wetted shafts, not in contact with the pumped medium
- **Shaft sealing:** Mechanical seal with Silicon Carbide faces
- **Engine:** John Deere 4045D
- **Control Panel:** Murphy standard - LOFA available
- **Discharge:** 8" Flapper check valve
- **Suction/Discharge Tanks:** 27 gallons each
- **Rotary lobes:** Cast iron standard body, bronze and stainless steel available. Standard rotor tips are wear and age resistant Buna. Other options are available.
- **Coupling:** Funk reducer gear assembly with flexible coupling and manual clutch with protective cover
- **Weight 5200 lbs (dry)**

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**MWI Moving
Water
Industries**

Rotoflo™ RWP010

10" Rotary Lobe Pump



applications

- Construction Dewatering
- Sock Operations
- Wellpoint Systems
- Remediation Services
- Multiple Fluid Transfer Capabilities



Member of:
Hydraulic
INSTITUTE

The Rotoflo™ is a self-priming, positive displacement pump perfect for groundwater applications, including wellpoint dewatering. The RWP010 is unrivaled in its ability to be repaired easily on-site. Its quick-release cover can be removed with conventional hand tools to give access to the inner parts of the pump without the removal of critical components. The Rotoflo™ is low maintenance and spare parts are inexpensive.

Features

- High performance - See chart on back
- Max vacuum - 29" Hg
- Solids handling - 2.7" (without screen)
- Pulsation free
- Complete unit - Ready to operate
- Skid or optional trailer mounted
- John Deere engine - Other brands available
- Murphy engine control panel
- 100 gallon integral fuel tank with gauge and lockable fuel cap
- Extended runtime in typical applications
- Rotary lobe tips are replaceable on site - in 30 minutes
- Patented rotor design
- Vacuum and pressure gauges
- 10" Flapper check valve - Discharge
- 10" ANSI Flanges - Other connections available
- Vacuum relief valve
- Suction screen
- Mechanical seal replenishment reservoir
- Space-saving design
- Low-noise operation
- Easy maintenance through quick-release cover
- Spare parts are inexpensive
- Stainless steel wear liners
- Automatic rotary pump temperature shutdown
- Lifting bail
- Complete wellpoint piping, points, jet pumps and accessories are available

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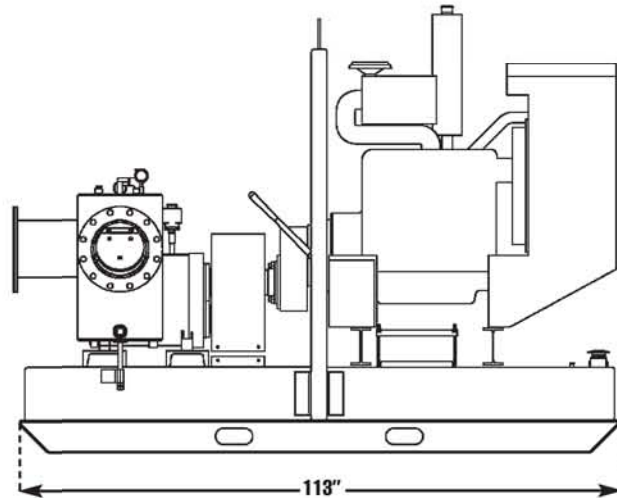
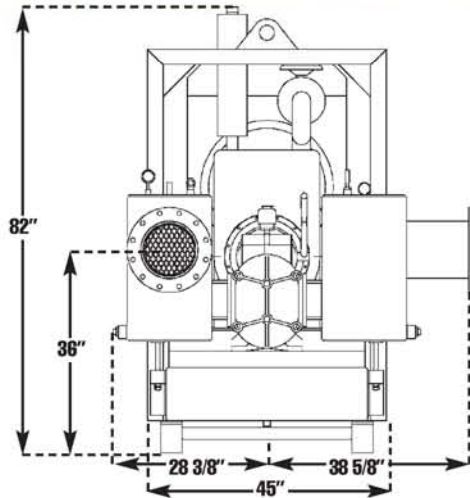


**Moving
Water
Industries**

Rotoflo™ RWP010

10" Rotary Lobe Pump

Physical Data



Performance



The green shaded area represents the Rotoflo™ pump's normal performance with a standard John Deere engine at sea level and 30psi TDH.

Model	Size	Max. Capacity (GPM/GPH)	Max CFM	Max Head (FT)
RWP010	10"	2260/135,540	302	210'

Materials & Specifications

- **Pump casing:** Wear and corrosion resistant - Cast iron
Special hardened ductile cast iron and carbon steel are available.
- **Wear liner:** Corrosion resistant stainless steel
- **Shaft:** Oil-wetted shafts, not in contact with the pumped medium
- **Shaft sealing:** Mechanical seal with Silicon Carbide faces
- **Engine:** John Deere 4045D
- **Control Panel:** Murphy standard - LOFA available
- **Discharge:** 10" Flapper check valve
- **Suction/Discharge Tanks:** 27 gallons each
- **Rotary lobes:** Cast iron standard body, bronze and stainless steel available. Standard rotor tips are wear and age resistant Buna. Other options are available.
- **Coupling-** Funk reducer gear assembly with flexible coupling and manual clutch with protective cover
- **Weight 5400 lbs (dry)**

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