



# PrimeRite™ CT004

## 4" x 4" Automatic Dry Priming Pump

### APPLICATIONS:

**Construction Dewatering**

**Sewage Bypass**

**Flood Drainage**

**Mining/Quarries**

**Municipal**

**General Industrial**

The PrimeRite™ is the perfect pump for contractors, pump rental companies, mining operators and general industrial or municipal use. The CT004 is capable of flow rates up to 1100 GPM, total dynamic heads to 175' 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. Units are completely self contained in either skid or trailer configurations with integral lifting bail, tie downs and fuel tank.

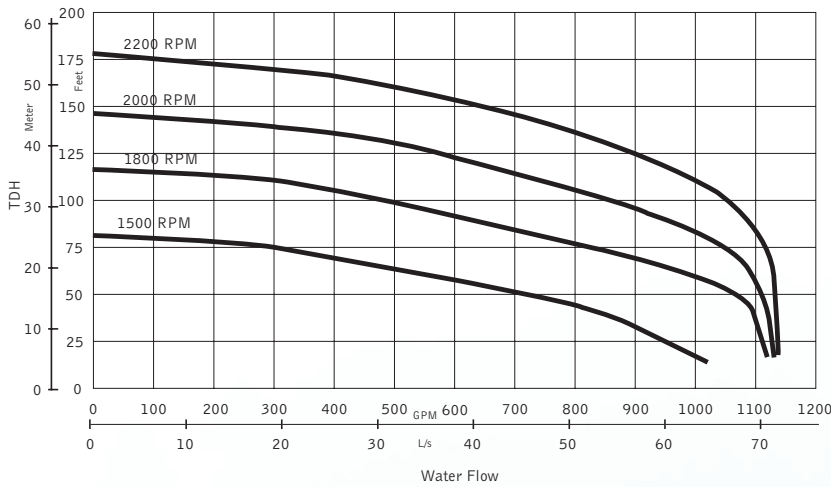
### FEATURES

- Primes and reprimed automatically
- Belt driven compressor is water cooled and oil lubricated
- Vacuum & discharge pressure 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\*
- Hydraulic surge brakes standard, electric brakes available
- Front and rear stabilizing jacks
- 3" Lunette ring for Pintle Hitch - Other options available
- Heavy-duty truck tie downs
- Lifting bail
- Engines - Caterpillar, Perkins, John Deere and Deutz available
- Flexible flywheel coupling
- Volute drain
- 4" ANSI Pattern Flanges – Suction and discharge
- Optional float-activated, Auto Start/Stop controls



\*Required for highway use

## CT004 MULTI-SPEED PERFORMANCE CURVES



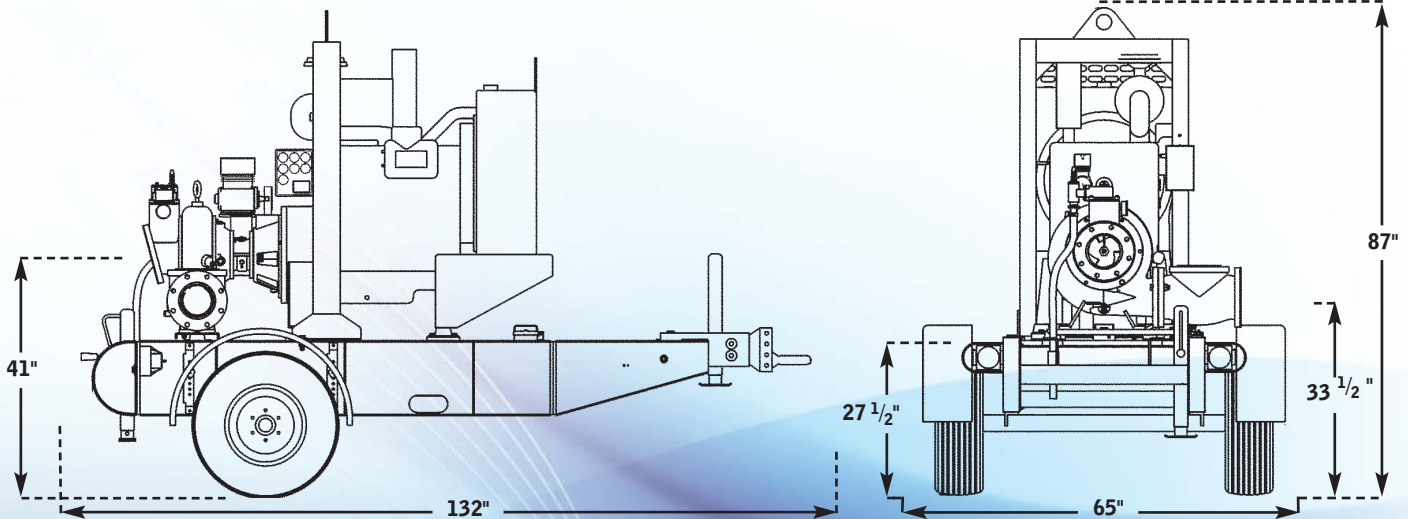
Pump performance shown is based on 5' suction lift. The use of 6" suction piping is necessary to produce maximum flow rates.

## SUCTION LIFT PERFORMANCE DATA

Suction Head (Feet)	TDH - (Feet)		
	50	100	125
10	1070	1005	900
15	985	925	845
20	890	810	760
25	800	705	670

## MATERIALS & SPECIFICATIONS

- Impeller and Wear Plates: Abrasion-resistant materials
- 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
- 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)



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Moving Water Worldwide Reliably and Efficiently

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