

# CD250M Dri-Prime® Pump

WITH FINAL TIER 4 DIESEL ENGINE

The Godwin Dri-Prime CD250M pump offers flow rates to 3720 USGPM and has the capability of handling solids up to 3.0" in diameter.

The CD250M is able to automatically prime to 28' of suction lift from dry. Automatic or manual starting/stopping available through integral mounted control panel or optional wireless-remote access.

Indefinite dry-running is no problem due to the unique Godwin liquid bath mechanical seal design. Solids handling, dry-running, and portability make the CD250M the perfect choice for dewatering and bypass applications.



## Features and Benefits

- Simple maintenance normally limited to checking fluid levels and filters.
- Dri-Prime (continuously operated Venturi air ejector priming device) requiring no periodic adjustment. Venturi has no moving parts for simple, reliable operation.
- Extensive application flexibility handling sewage, slurries, and liquids with solids up to 3.0" in diameter.
- Dry-running high pressure liquid bath mechanical seal with high abrasion resistant solid silicon carbide faces.
- Close-coupled centrifugal pump with Dri-Prime system coupled to a diesel engine or electric motor.
- All cast iron construction (stainless steel construction option available) with cast steel impeller.
- Also available in a critically silenced unit which reduces noise levels to less than 70 dBA at 30'.
- Standard engine John Deere 4045HFC04 (FT4) 134HP.

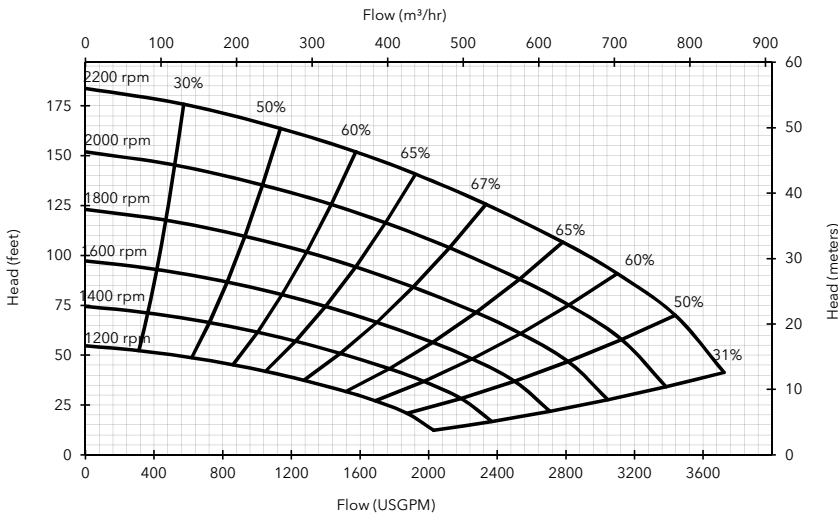
## Specifications

Suction connection	10" 150# ANSI B16.5
Delivery connection	10" 150# ANSI B16.5
Max capacity	3720 USGPM †
Max solids handling	3.0"
Max impeller diameter	11.4"
Max operating temp	176°F*
Max pressure	80 psi
Max suction pressure	65 psi
Max casing pressure	123 psi
Max operating speed	2200 rpm

\* Please contact our office for applications in excess of 176°F.

† Larger diameter pipes may be required for maximum flows.

## Performance Curve



## Materials

Pump casing & suction cover	Cast iron BS EN 1561 - 1997
Wearplates	Cast iron BS EN 1561 - 1997
Pump Shaft	Carbon steel BS 970 - 1991 817M40T
Impeller	Cast Steel BS3100 A5 Hardness to 200 HB Brinell
Non-return valve body	Cast iron BS EN 1561 - 1997
Mechanical seal	Silicon carbide face; Viton elastomers; Stainless steel body

## Engine option 1

John Deere 4045HFC04 (FT4) 134HP

Impeller diameter 11.4"

Pump speed 2200 rpm

### Suction Lift Table

Total Suction Head (feet)	Total Delivery Head (feet)				
	29	64	103	118	137
	Output (USGPM)				
10	3020	2752	2149	1902	1501
15	2981	2629	1999	1700	1299
20	1981	1942	1629	1449	999
25	1101	1101	1101	999	700

Fuel capacity: 150 US Gal

Max Fuel consumption @ 2200 rpm: 7.3 US Gal/hr

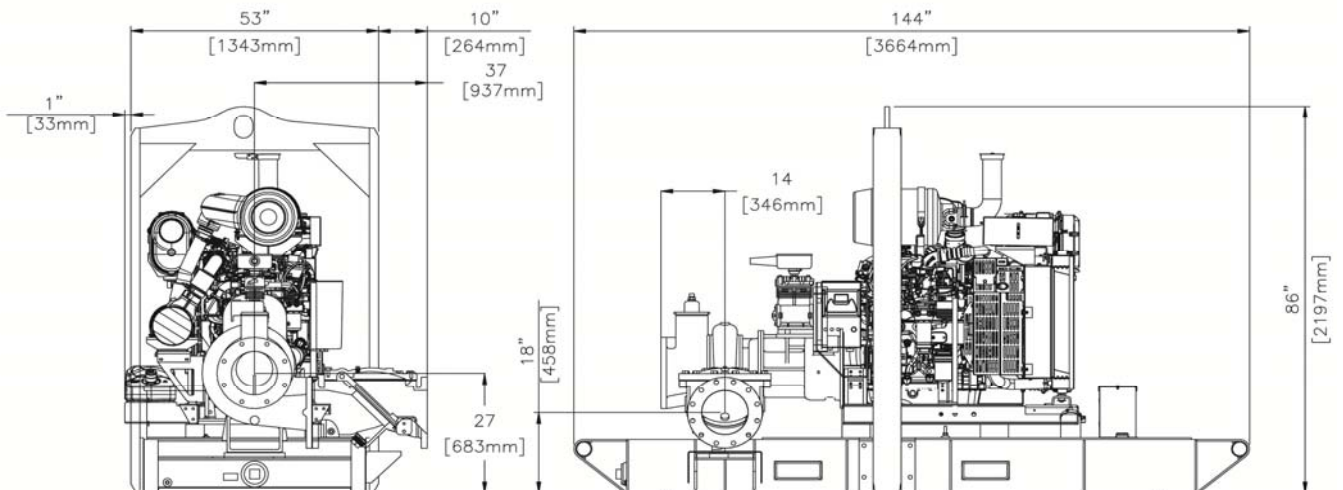
Max Fuel consumption @ 1800 rpm: 6.5 US Gal/hr

Weight (Dry): 5,890 lbs

Weight (Wet): 7,000 lbs

Dim.: (L) 144" x (W) 63" x (H) 86"

Performance data provided in tables is based on water tests at sea level and 20°C ambient. All information is approximate and for general guidance only. Please contact the factory or office for further details.



84 Floodgate Road  
Bridgeport, NJ 08014 USA  
(856) 467-3636 . Fax (856) 467-4841  
Email: sales@godwinpumps.com

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[www.godwinpumps.com](http://www.godwinpumps.com)