

CD100M Dri-Prime® Pump

WITH FINAL TIER 4 (FT4) DIESEL ENGINE

The Godwin Dri-Prime CD100M pump offers flow rates to 1010 USGPM and has the capability of handling solids up to 1.8" in diameter.

The CD100M 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 CD100M 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. Optional compressor clutch available.
- Extensive application flexibility handling sewage, slurries, and liquids with solids up to 1.8" 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 Yanmar 3TNV88C (FT4) 30HP. Also available with Yanmar 3TNV88F (FT4) 24HP, trimmed impeller.

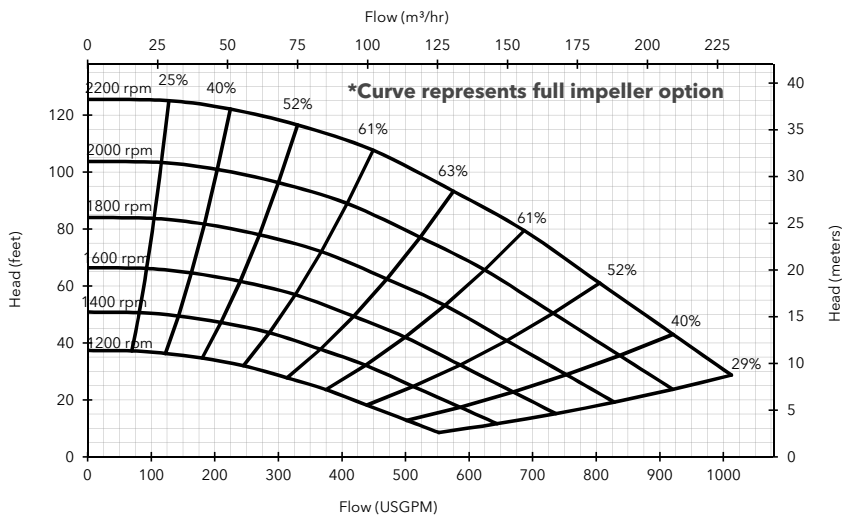
Specifications

Suction connection	4" 125# ANSI B16.1
Delivery connection	4" 125# ANSI B16.1
Max capacity	1010 USGPM †
Max solids handling	1.8"
Max impeller diameter	9.1"
Max operating temp	176°F*
Max pressure	55 psi
Max suction pressure	41 psi
Max casing pressure	83 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



Engine option 1 (full impeller)

Yanmar 3TNV88C (FT4), 30 HP @ 2200 rpm

Impeller diameter 9.1"

Pump speed 2200 rpm

Suction Lift Table

Total Suction Head (feet)	Total Delivery Head (feet)				
	17	44	57	73	87
	Output (USGPM)				
10	956	872	788	675	546
15	900	816	731	619	450
20	703	664	619	534	394
25	450	422	394	338	225

Fuel capacity: 30 US Gal

Max Fuel consumption @ 2200 rpm: 1.6 US Gal/hr

Max Fuel consumption @ 1800 rpm: 0.9 US Gal/hr

Weight (Dry): 1,860 lbs

Weight (Wet): 2,080 lbs

Dim.: (L) 102" x (W) 54" x (H) 70"

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.

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 2 (trimmed impeller)

Yanmar 3TNV88F (FT4), 24 HP @ 2200 rpm

Impeller diameter 7.9"

Pump speed 2200 rpm

Suction Lift Table

Total Suction Head (feet)	Total Delivery Head (feet)				
	10	31	41	53	63
	Output (USGPM)				
10	832	758	685	587	475
15	783	709	636	538	391
20	612	577	538	465	342
25	391	367	342	294	196

Fuel capacity: 30 US Gal

Max Fuel consumption @ 2200 rpm: 1.1 US Gal/hr

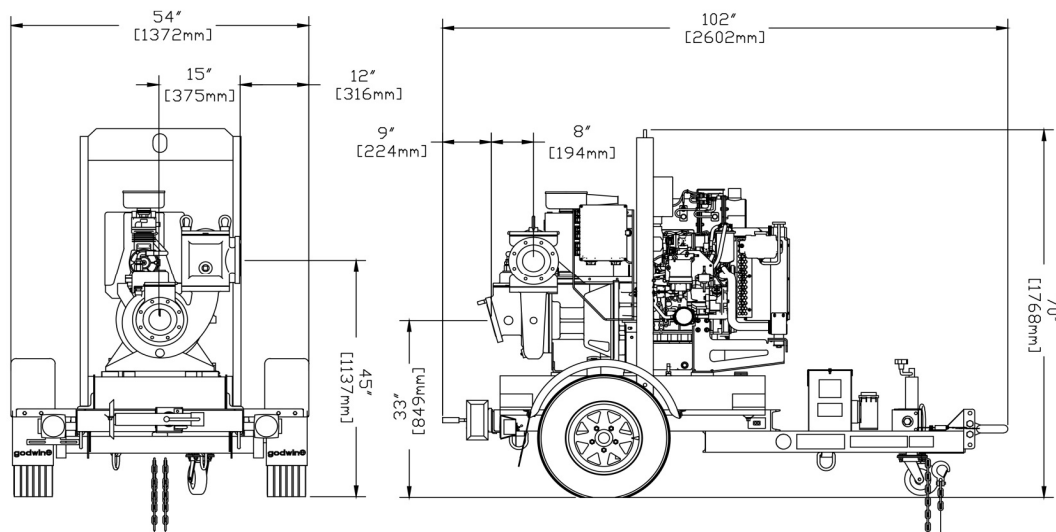
Max Fuel consumption @ 1800 rpm: 0.6 US Gal/hr

Weight (Dry): 1,850 lbs

Weight (Wet): 2,070 lbs

Dim.: (L) 102" x (W) 54" x (H) 70"

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