

CD160M Dri-Prime Pump

CD160M

The Godwin Dri-Prime CD160M pump offers flow rates to 1,878 USGPM and discharge heads to 258' (79m). Also it has the capability of handling solids up to 3" (75mm) in diameter.

The CD160M is able to prime to 28' (8.5 m) of suction lift from dry.

Indefinite dry-running is no problem due to the unique Godwin oil bath mechanical seal design. Solids handling, dry-running and portability make the CD160M the perfect choice for small dewatering and bypass applications. The standard model is mounted on a highway trailer, with a skid-mounted option.



Features

- Simple maintenance normally limited to checking fluid levels.
- Close-coupled centrifugal pump with vacuum priming compressor mounted to a diesel engine. Also available in electric drive or as bare shaft pumpend.
- Extensive application flexibility. It will handle sewage, slurries and liquids with solids up to 3" in diameter.
- Continuously operated Godwin venturi air ejector priming device requiring no form of periodic adjustment or control.
- Dry-running heavy duty mechanical seal with abrasion-resistant interfaces.
- Also available in a Critically Silenced unit which drastically reduce noise levels of the pump.
- Standard engine John Deere 6068HF285. Also available with Caterpillar C6.6E.
- The volute & suction cover are made from cast iron bs1452:1990 grade 220 and the impeller is made from cast steel bs3100 a5 hardness to 200 hb brinell.

Specifications

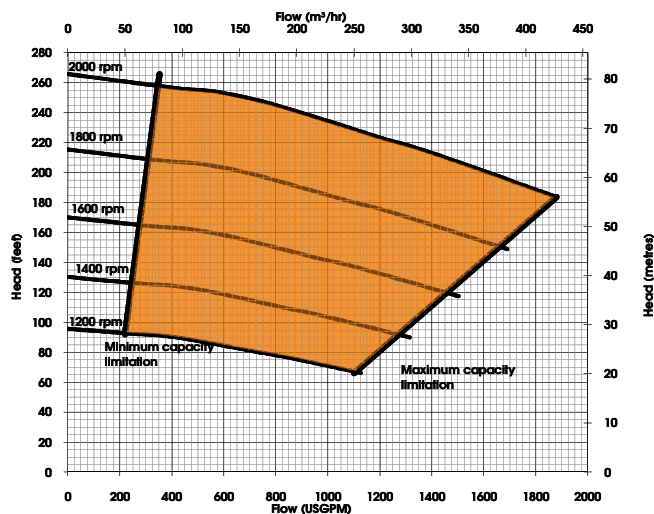
Suction connection	6" 125# ANSI B16.1
Delivery connection	6" 125# ANSI B16.1
Max capacity	1878 USGPM
Max head	258' (79m)
Max solids handling	3" (75mm)
Max impeller diameter	14" (356mm)
Max operating temp	176°F (80°C)
Max working pressure	130.5 psi (9.0 bar)
Max suction pressure	72.5 psi (5.0 bar)
Max casing pressure	195.8 psi (13.5 bar)
Max operating speed	2000 rpm

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Issue : 1

Please contact Godwin for further details.
A typical picture of the pump is shown.
All information is approximate and for general guidance only.

Performance Curve



Materials

Pump casing & suction cover	Cast iron BS1452:1990 grade 220
Wearplates	Cast iron to BS1452 grade 220
Pump shaft	Nickel chrome steel to BS970 grade 817M40T
Impeller	Cast steel BS3100 A5 hardness to 200 HB Brinell
Non-return valve body	Cast iron
Mechanical seal faces	Silicon carbide vs silicon carbide

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Engine option 1

John Deere, 6068HF285, 148.7 HP @ 2000 rpm

Impeller diameter 14 " (356 mm)

Suction Lift Table

Total Suction Head (')	Total Delivery Head (')				
	144	185	201	221	245
Output (USGPM)					
9.8	2006	1712	1468	1027	489
15.1	2006	1614	1370	734	367
20.0	2006	1517	1223	416	-
24.9	1614	1223	1076	489	-

Fuel capacity (Full) 180 US Gal, (Usable) 180 US Gal

Fuel consumption @ 2000 rpm BEP 6.9 US Gal/hr

Weight: (Dry) 5,192 lbs, (Wet) 6,644 lbs

Dimensions: (L) 138" x (W) 53" x (H) 72"

Engine option 2

Caterpillar, C6.6E, 142.1 HP @ 2000 rpm

Impeller diameter 14 " (356 mm)

Suction Lift Table

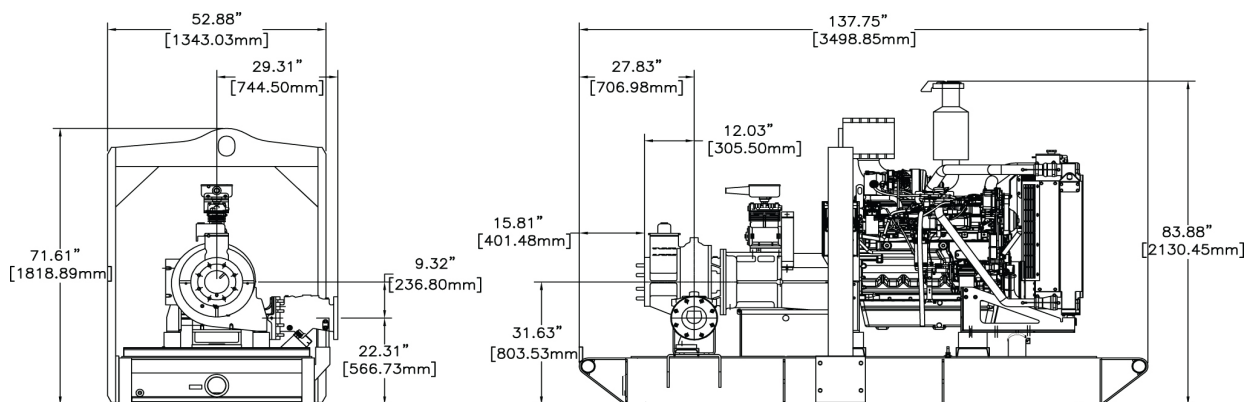
Total Suction Head (')	Total Delivery Head (')				
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9.8	2006	1712	1468	1027	489
15.1	2006	1614	1370	734	367
20.0	2006	1517	1223	416	-
24.9	1614	1223	1076	489	-

Fuel capacity (Full) 180 US Gal, (Usable) 180 US Gal

Fuel consumption @ 2000 rpm BEP 6.8 US Gal/hr

Weight: (Dry) 4,967 lbs, (Wet) 6,410 lbs

Dimensions: (L) 138" x (W) 53" x (H) 72"



Performance data provided in tables is based on water tests at sea level and 68°F ambient.

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