

HL200M Dri-Prime Pump

HL200M

The Godwin Dri-Prime HL200M pump offers flow rates to 2,796 USGPM and discharge heads to 385' (117 m). Also it has the capability of handling solids up to 1" (38mm) in diameter.

The HL200M 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 HL200M the perfect choice for dewatering and bypass applications. The standard model is mounted on a skid, with a highway trailer 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 a bare shaft pumpend.
- Extensive application flexibility. It will handle sewage, slurries and liquids with solids up to 1" 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 as a Critically Silenced unit which drastically reduces noise levels of the pump.
- Standard engine Caterpillar C7. Also available with John Deere 6068HF485.
- 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	8" 125# ANSI B16.1
Delivery connection	6" 125# ANSI B16.1
Max capacity	2796 USGPM
Max head	385' (117 m)
Max solids handling	1" (38mm)
Max Impeller diameter	16" (400mm)
Max operating temp	176°F (80°C)
Max working pressure	165.3 psi (11.4 bar)
Max suction pressure	87.0 psi (6.0 bar)
Max casing pressure	246.6 psi (17.0 bar)
Max operating speed	2200 rpm

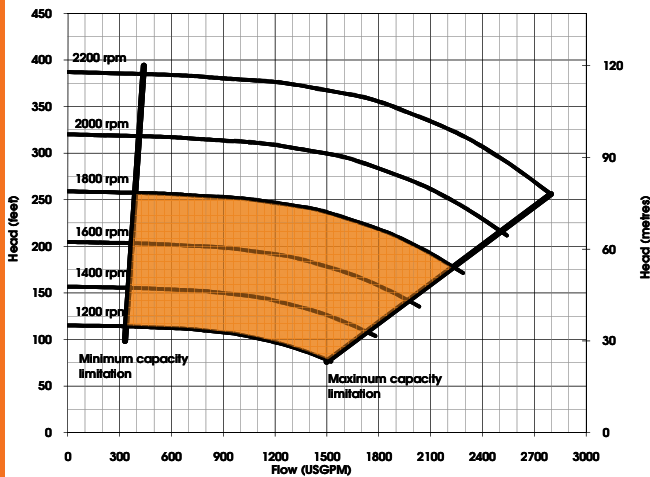
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Please contact Godwin for further details.
A typical picture of the pump is shown.
All information is approximate and for general guidance only.

Performance Curve

Flow (m³/hr)



Materials

Pump casing & suction cover	Cast iron BS1452:1990 Grade 220
Wearplates	Cast iron to BS1452 hardened to 480 HB Brinell
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

HL200M

Engine option 1

Caterpillar, C7, 224.9 HP @ 1800 rpm

Impeller diameter 16" (400mm)

Suction Lift Table

Total Suction Head (')	Total Delivery Head (')				
	161	183	207	222	241
Output (USGPM)					
7.2	2264	2038	1774	1472	566
11.1	2049	2011	1698	1434	453
14.7	1811	1736	1627	1359	377
18.3	1132	1111	1073	1036	-

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

Fuel consumption @ 1800 rpm BEP 9 US Gal/hr

Weight: (Dry) 8,860 lbs, (Wet) 10,294 lbs

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

Engine option 2

John Deere, 6068HF485, 202.3 HP @ 1800 rpm

Impeller diameter 16" (400mm)

Suction Lift Table

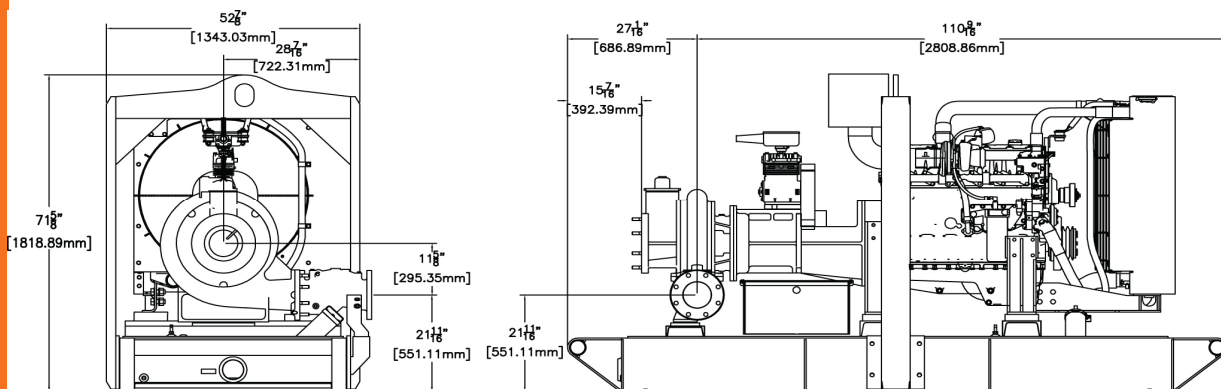
Total Suction Head (')	Total Delivery Head (')				
	161	183	207	222	241
Output (USGPM)					
9.8	2264	2038	1774	1472	566
15.1	2049	2011	1698	1434	453
20.0	1811	1736	1627	1359	377
24.9	1132	1111	1073	1036	-

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

Fuel consumption @ 1800 rpm BEP 8 US Gal/hr

Weight: (Dry) 4,473 lbs, (Wet) 5,975 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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