

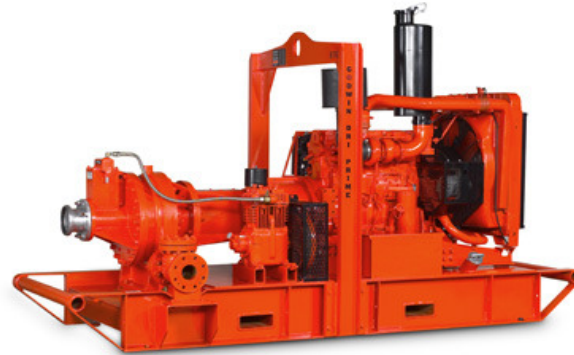
HL130M Dri-Prime Pump

HL130M

The Godwin Dri-Prime HL130M pump offers flow rates to 1,505 USGPM and discharge heads to 637' (194 m). Also it has the capability of handling solids up to 1" (22mm) in diameter.

The HL130M 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 HL130M 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 C9. Also available with John Deere 6090HF485.
- 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	4" 250# ANSI B16.1
Max capacity	1505 USGPM
Max head	637' (194 m)
Max solids handling	1" (22mm)
Max Impeller diameter	20" (514mm)
Max operating temp	176°F (80°C)
Max working pressure	275.6 psi (19.0 bar)
Max suction pressure	87.0 psi (6.0 bar)
Max casing pressure	413.4 psi (28.5 bar)
Max operating speed	2100 rpm

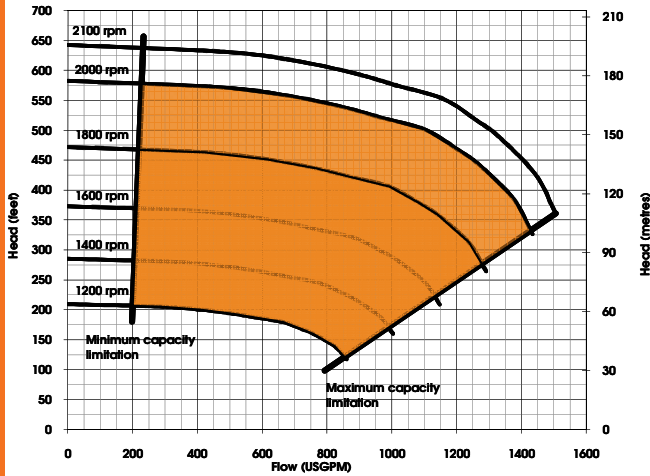
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Issue : 1

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

Flow (m³/hr)



Materials

Pump casing & suction cover	Cast iron BS1452:1990 Grade 220
Wearplates	High Chromium Cast Iron HC403:1977 Grade FR6252
Pump Shaft	Nickel Chrome Steel to BS970-1:1991 Grade 817M40T
Impeller	Cast Steel BS3100 A5 Hardness to 200 HB Brinell
Non-return valve body	Steel
Mechanical seal faces	Silicon carbide vs silicon carbide

HL130M

Engine option 1

Caterpillar, C9, 299.9 HP @ 2000 rpm

Impeller diameter 20" (514mm)

Suction Lift Table

Total Suction Head (')	Total Delivery Head (')				
	328	443	476	509	541
	Output (USGPM)				
9.8	1431	1255	1123	960	643
15.1	1409	1233	1101	947	599
20.0	1387	1233	1057	881	564
24.9	1365	1233	1101	793	440

Fuel capacity (Full) 172 US Gal, (Usable) 172 US Gal

Fuel consumption @ 2000 rpm BEP 13 US Gal/hr

Weight: (Dry) 11,023 lbs, (Wet) 12,427 lbs

Dimensions: (L) 152" x (W) 57" x (H) 84"

Engine option 2

John Deere, 6090HF485, 300.2 HP @ 1800 rpm

Impeller diameter 20" (514mm)

Suction Lift Table

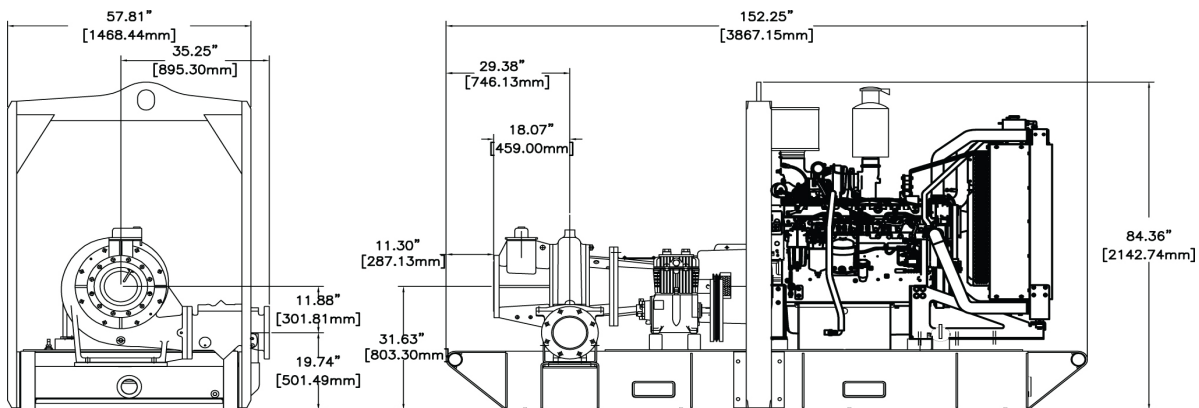
Total Suction Head (')	Total Delivery Head (')				
	258	351	377	404	431
	Output (USGPM)				
9.8	1288	1129	1010	864	579
15.1	1268	1110	991	852	539
20.0	1248	1110	951	793	507
24.9	1228	1110	991	713	396

Fuel capacity (Full) 172 US Gal, (Usable) 172 US Gal

Fuel consumption @ 1800 rpm BEP 10 US Gal/hr

Weight: (Dry) 5,545 lbs, (Wet) 6,983 lbs

Dimensions: (L) 152" x (W) 57" x (H) 84"



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

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