

# HL150M Dri-Prime Pump

HL150M

**T**he Godwin Dri-Prime HL150M pump offers flow rates to 1,647 USGPM and discharge heads to 490' (149 m). Also it has the capability of handling solids up to 1" (35mm) in diameter.

The HL150M 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 HL150M 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 6090HFC94.
- 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

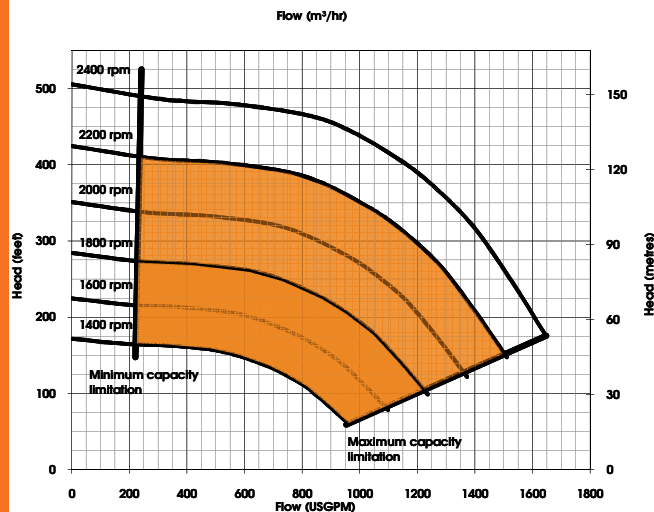
Suction connection	6" 125# ANSI B16.1
Delivery connection	6" 125# ANSI B16.1
Max capacity	1647 USGPM
Max head	490' (149 m)
Max solids handling	1" (35mm)
Max Impeller diameter	15" (385mm)
Max operating temp	176°F (80°C)
Max working pressure	214.7 psi (14.8 bar)
Max suction pressure	87.0 psi (6.0 bar)
Max casing pressure	322.0 psi (22.2 bar)
Max operating speed	2400 rpm

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

## Performance Curve



### Engine option 1

Caterpillar, C7, 224.9 HP @ 2200 rpm

Impeller diameter 15" (385mm)

#### Suction Lift Table

Total Suction Head (')	Total Delivery Head (')				
	152	201	250	299	348
Output (USGPM)					
9.8	1507	1399	1292	1157	969
15.1	1480	1372	1265	1130	942
20.0	1345	1345	1238	1076	861
24.9	1022	1006	996	969	807

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

Fuel consumption @ 2200 rpm BEP 9 US Gal/hr

Weight: (Dry) 5,732 lbs, (Wet) 7,190 lbs

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

## Materials

Pump casing & suction cover	Cast iron BS1452:1990 Grade 220
Wearplates	Cast iron 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

HL150M

### Engine option 2

John Deere, 6090HFC94, 301.9 HP @ 1800 rpm

Impeller diameter 15" (385mm)

#### Suction Lift Table

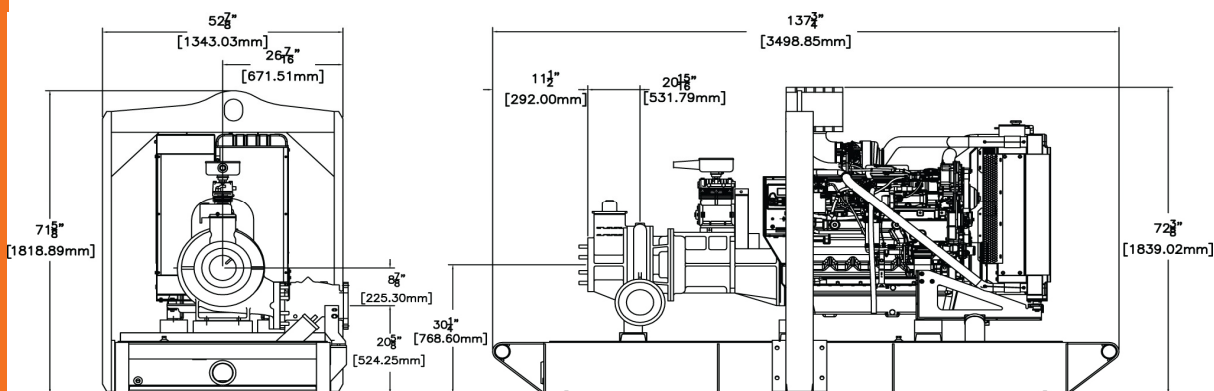
Total Suction Head (')	Total Delivery Head (')				
	98	131	164	197	230
Output (USGPM)					
9.8	1233	1145	1057	947	793
15.1	1211	1123	1035	925	771
20.0	1101	1101	1013	881	704
24.9	837	823	815	793	660

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

Fuel consumption @ 1800 rpm BEP 6 US Gal/hr

Weight: (Dry) 4,259 lbs, (Wet) 5,761 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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