

# HL100M Dri-Prime® Pump

The Godwin Dri-Prime HL100M pump offers flow rates to 920 USGPM and has the capability of discharge pressures to 165 psi.

The HL100M 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.

High discharge pressure, dry-running, and portability make the HL100M the perfect choice for mining, industrial and emergency fire backup 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 or control. Optional automatic on-off control available on the priming system.
- 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 70dBA at 30'.
- Standard engine John Deere 4045TF285 (T3 Flex). Also available with John Deere 4045HFC92 (IT4).

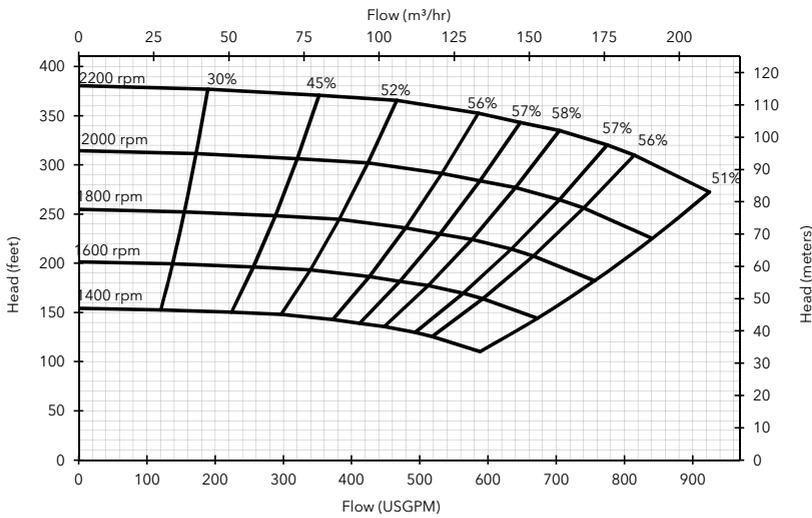
## Specifications

Suction connection	4" 150# ANSI B16.5
Delivery connection	4" 150# ANSI B16.5
Max capacity	920 USGPM †
Max solids handling	1.4"
Max Impeller diameter	14.6"
Max operating temp	176°F*
Max working pressure	165 psi
Max suction pressure	87 psi
Max casing pressure	248 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

John Deere 4045TF285 (T3 Flex), 99 HP @ 2200 rpm

Impeller diameter 14.6"

Pump speed 2200 rpm

### Suction Lift Table

Total Suction Head (feet)	Total Delivery Head (feet)				
	260	300	320	340	351
	Output (USGPM)				
10	925	804	736	630	484
15	896	799	702	591	436
20	848	751	654	557	315
25	799	726	581	484	170

Fuel capacity: 100 US Gal

Max Fuel consumption @ 2200 rpm: 5.8 US Gal/hr

Max Fuel consumption @ 1800 rpm: 5.0 US Gal/hr

Weight (Dry): 4,350 lbs

Weight (Wet): 5,070 lbs

Dimensions: (L) 155" x (W) 76" x (H) 93"

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
Mechanical seal	Silicon carbide face; Viton elastomers; Stainless steel body

## Engine option 2

John Deere 4045HFC92 (IT4), 99 HP @ 2200 rpm

Impeller diameter 14.6"

Pump speed 2200 rpm

### Suction Lift Table

Total Suction Head (feet)	Total Delivery Head (feet)				
	260	300	320	340	351
	Output (USGPM)				
10	925	804	736	630	484
15	896	799	702	591	436
20	848	751	654	557	315
25	799	726	581	484	170

Fuel capacity: 100 US Gal

Max Fuel consumption @ 2200 rpm: 5.4 US Gal/hr

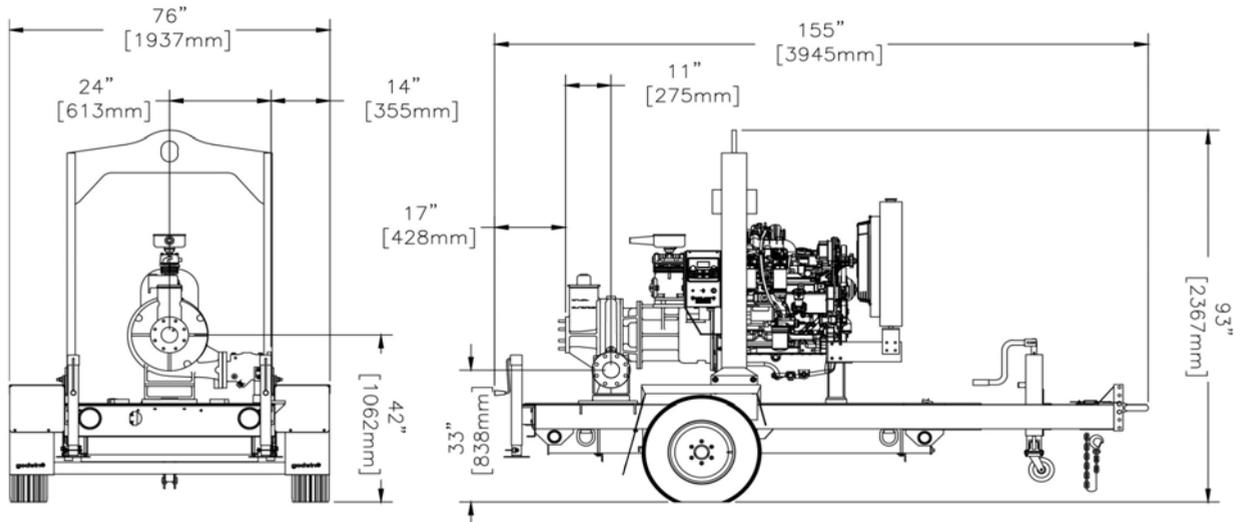
Max Fuel consumption @ 1800 rpm: 4.8 US Gal/hr

Weight (Dry): 5,030 lbs

Weight (Wet): 5,750 lbs

Dimensions: (L) 155" x (W) 76" x (H) 93"

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