

# Godwin HL300M Dri-Prime® Pump



The redesigned Godwin Dri-Prime HL300M pump offers flow rates to 5,550 USGPM and has the capability of discharge pressures to 235 psi.

The HL300M is able to automatically prime to 8.5 m (28 ft) 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 HL300M the perfect choice for mining, industrial and emergency fire backup applications.

## Specifications

Suction connection	12 in 150 # ANSI B16.5
Delivery connection	10 in 150 # ANSI B16.5
Max capacity	1,250 m <sup>3</sup> /hr (5,550 USGPM) <sup>1</sup>
Max impeller diameter	560 mm (22.1 in)
Max operating temperature	80°C (176°F) <sup>2</sup>
Max pressure	16.2 bar (235 psi)
Max suction pressure	6 bar (87 psi)
Max casing pressure	20 bar (294 psi)
Max operating speed	1,800 rpm

<sup>1</sup> Larger diameter pipes may be required for maximum flows.

<sup>2</sup> Please contact our sales and product support for applications in excess of 80°C (176°F).

## Features and benefits

- Simple maintenance normally limited to checking fluid levels and filters.
- Fully automatic priming from dry to 8.5 m (28 ft) suction lift.
- Godwin Dri-Prime is a continuously operated venturi air ejector priming device which requires no periodic adjustment or control.
- Extensive application flexibility. It will handle sewage, slurries and liquids with solids up to 45 mm (1.8 in) in diameter.
- Dry-running high pressure oil bath mechanical seal, with high abrasion resistant tungsten carbide faces.
- A close-coupled centrifugal pump with Godwin Dri-Prime system mounted to a diesel engine or electric drive.
- All cast iron and cast steel construction (stainless steel option available) with cast steel impeller.
- Also available as sound attenuated or as a bareshaft pumpend.
- Standard engine Caterpillar C18; compliant with regional emissions legislation.
- Other engine options are available.

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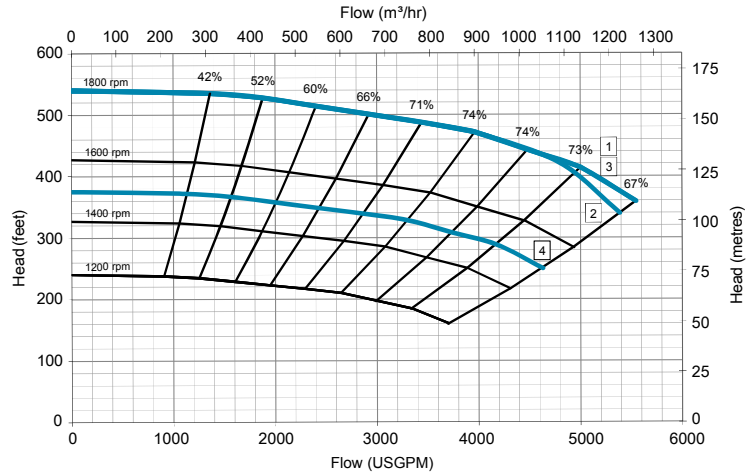
## Suction lift table 1800 rpm

Performance data provided in tables is based on water tests at sea level and 20°C (68°F) ambient.

Total suction head (ft)	Total delivery head (ft)				
	280	310	345	360	395
	Output (USGPM)				
10	4885	4515	3895	3565	2265
15	4820	4445	3785	3410	2025
20	4470	4005	3345	2995	1895
25	2510	2420	2380	2355	1495

## Performance curve

Pump curve is based on 0 m (0 ft) dynamic suction lift.



## Materials

Pump casing	Cast steel BS3100 A5
Wearplates	Cast Iron Chrome 1.0/1.5% Nickel 2%
Pump shaft	Carbon steel BS3100 A5
Impeller	Cast Steel BS3100 A5 Hardness to 200 HB Brinell
Mechanical seal faces	Double Mech seal; tungsten carbide

## Driver options

Option	Driver	Power kW (hp)	Fuel / Energy Use 1800 rpm	Emissions Rating
1	CAT C18	563 (755)	37.8 GPH	EPA FT4
2	CAT C18	522 (700)	35.8 GPH	EPA Tier 3
3	Electric Motor, 4 Pole, 60 Hz	559 (750)	855 A	-
4	Electric Motor, 4 Pole, 50 Hz	335.5 (450)	501 A	-

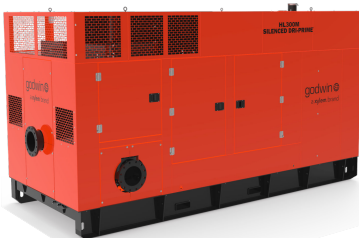


## Open skidbase

(Image shows optional trailer)

Information provided is based on the C18-T4F.

Fuel capacity	1419 L (375 US Gal)
Weight dry	7,915 kg (17,450 lb)
Weight wet	9,060 kg (19,975 lb)
Dimensions (L x W x H)	4,343 mm x 2,006 mm x 2,515 mm (171 in x 79 in x 99 in)



## Sound attenuated enclosure

Information provided is based on the C18-T4F.

Noise @ 9.1 m (30 ft)	69 dBA
Fuel capacity	1,514 L (400 US Gal)
Weight dry	10,287 kg (22,680 lb)
Weight wet	11,557 kg (25,480 lb)
Dimensions (L x W x H)	5,334 mm x 2,311 mm x 2,946 mm (210 in x 91 in x 116 in)