

# Godwin HL300M Dri-Prime® Pump



The Godwin Dri-Prime HL300M pump offers flow rates to 1250 m<sup>3</sup>/hr and has the capability of discharge heads to 165 meters.

The HL300M is able to automatically prime to 8.5 m (28 ft) of suction lift from dry. Automatic or manual starting/stopping is available through an integral mounted control panel or with our optional telemetry and cloud based service for remote monitoring and control.

High discharge pressure, dry-running, and portability make the HL300M the perfect choice for mining, industrial and emergency fire backup applications.

## Specifications

Suction connection	300mm (12 in) flange
Delivery connection	250mm (10 in) flange
Max capacity	1250 m <sup>3</sup> /hr (5550 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 typically limited to checking fluid levels and filters.
- Available as Open Skidbase which can be trailer mounted.
- 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.
- Standard engines are compliant with regional emissions legislation.
- Environmentally friendly skid base, that contains fluid spills, comes as standard.
- Other engine options are available.

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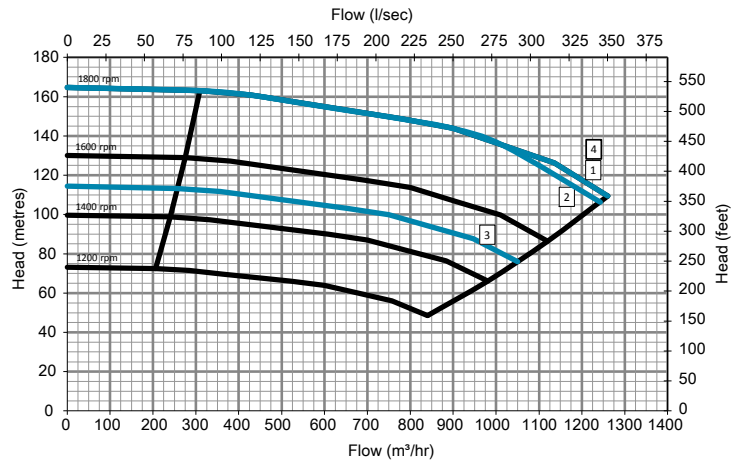
## Suction lift table 1600 rpm

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

Total suction head (metre)	Total delivery head (metre)				
	85	95	105	110	120
	Output (m <sup>3</sup> /hr)				
3.0	1110	1025	885	810	515
4.6	1095	1010	860	775	460
6.1	1015	910	760	680	430
7.6	570	550	540	535	340

## Performance curve

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

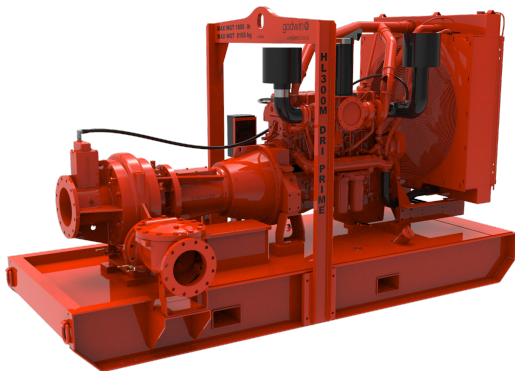


## Materials

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	DC16 086A	566 (759)	118 L/hr	EU Stage 5
2	CAT C18	522 (700)	127 L/hr	EU Stage 3A
3	Electric Motor, 4 Pole, 50 Hz	355 (476)	490 A	-
4	Electric Motor, 4 Pole, VFD	560 (751)	855 A	-



## Open skidbase

Information provided is based on the C18 option.

Fuel capacity	993 L (262 US Gal)
Weight dry	6,945 kg (15,310 lb)
Weight wet	7,985 kg (17,600 lb)
Dimensions (L x W x H)	4,380 mm x 1,980 mm x 2,670 mm (172 in x 78 in x 105 in)