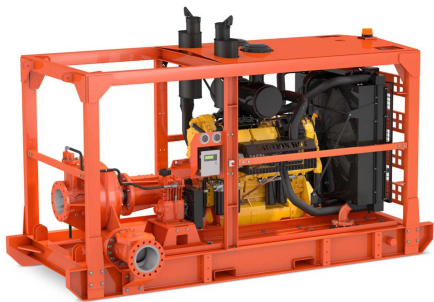


# Godwin HL270M Dri-Prime® Pump



## Specifications

Suction connection	300 mm (12 in ) flange 12 bolt pattern matches ANSI 150, BS10 and PN16
Delivery connection	250 mm (10 in) flange 16 bolt pattern matches ANSI 300#
Max capacity	275 l/sec (4,360 USGPM) <sup>1</sup>
Max impeller diameter	670 mm (26.4 in)
Max operating temperature	80°C (176°F) <sup>2</sup>
Max pressure	29.3 bar (425 psi)
Max suction pressure	6.0 bar (87 psi)
Max casing pressure	44.0 bar (638 psi)
Max operating speed	2000 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).



The Godwin Dri-Prime HL270M pump offers flow rates to 275 LPS (4,360 USGPM) and has the capability of heads to 299 m (980 ft).

The HL270M 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 optional wireless remote access.

High discharge pressure, dry-running, and portability make HL270M the perfect choice for mining, industrial and emergency fire backup applications.

## Features and benefits

- HL270M is designed to be a higher head and higher efficiency pump impeller design to meet the requirements of deeper mines and high pressure water transfer applications at lower power consumption and longer life between repairs.
- Simple maintenance normally limited to checking fluid levels and filters.
- Fully automatic priming from dry to 8.5 m (28 ft) suction lift. <sup>1</sup>
- 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 a variety of fluids and liquids with solids up to 30 mm (1.2 in) in diameter.
- Dry-running high pressure oil bath mechanical seal, with high abrasion resistant tungsten carbide faces. Packing seal arrangement available on the pump as secondary standard option.
- A close-coupled centrifugal pump with Godwin Dri-Prime system mounted to a diesel engine or electric drive.
- Two material options offered as standard - all duplex stainless steel as primary offering with option for cast steel pump casing paired with duplex stainless steel impeller.
- Available in diesel and electric driven package pump sets. HL270M is also offered as a retrofit package for installation on existing customer owned pumps. For installation on diesel engine or electric motor drive and skid base.
- Standard engine Caterpillar C32, C27, and C18; compliant with regional emissions legislation.
- Other engine options are available. Available in standard pump unit builds or custom to suit unique application and site requirements.

<sup>1</sup> Higher suction lifts will reduce flow performance. Consult with engineering on higher suction applications.

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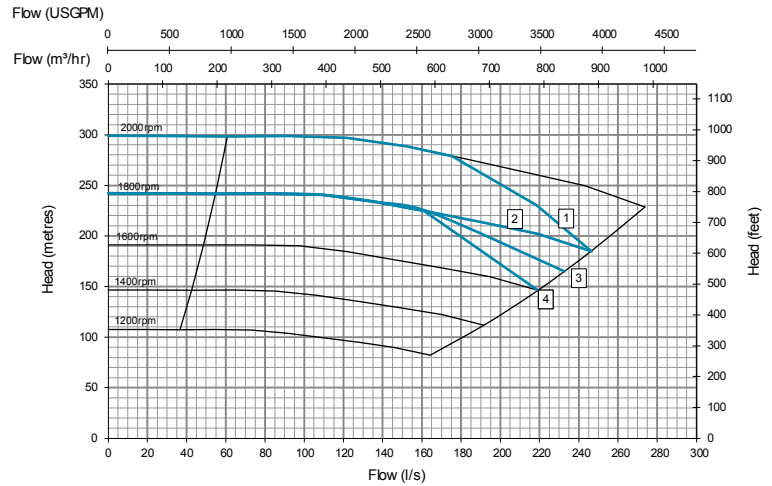
## Suction lift table 1800 rpm

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

Total suction head (metre)	Total delivery head (metre)				
	200	208	216	224	230
	Output (l/sec)				
3.0	190	180	170	150	120
4.6	170	165	155	135	105
6.1	140	130	120	115	85
7.6	80	65	55	45	30

## Performance curve

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

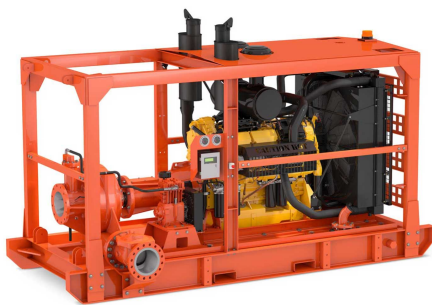


## Materials

Pump casing	Cast steel BS3100 A5 or Duplex BS 3100 332C13
Wearplates	Duplex BS 3100 332C13
Pump shaft	Carbon steel BS3100 A5
Impeller	Duplex BS 3100 332C13
Mechanical seal faces	Double Mech seal (DMS) with tungsten carbide (TC)
Packing	Teflon
Pump seal options	DMS with TC or option for Teflon packing

## Driver options

Option	Driver	Power kW (hp)	Fuel / Energy Use 1800 rpm	Emissions Rating
1	CAT C32	708 (950)	175 L/hr	US EPA Tier 2
2	CAT C27	653 (875)	160 L/hr	US EPA Tier 4 EU Stage 5
3	CAT C18	563 (755)	145 L/hr	US EPA Tier 4
4	CAT C18	522 (700)	135 L/hr	US EPA Tier 3
5	Electric	750 (1000)	-	-



## Open skidbase

Information provided is based on the CAT C32 engine option.

Noise @ 7 m (23 ft)	110 dBA
Fuel capacity	1400 L (370 US Gal)
Weight (Dry)	8,940 kg (19,712 lb)
Weight (Wet)	10,160 kg (22,400 lb)
Dimensions (L x W x H)	5000 mm x 2330 mm x 3100 mm (197 in x 92 in x 122 in)



## Open skidbase

Information provided is based on the 750 kW/1000 HP electric motor.

Description	IE3 Electric Motor, 4 Pole, 50 Hz
Weight dry	7,620 kg (16,800 lb)
Dimensions (L x W x H)	4200 mm x 1800 mm x 2250 mm (165 in x 71 in x 89 in)