

HL225M Dri-Prime® Hush-Pac

The Godwin Dri-Prime HL225M pump is an extremely powerful yet compact pump with flow capabilities to 832 m³/hr and discharge heads to 113 metres.

The HL225M features the unique Godwin high pressure liquid bath mechanical seal design. This allows for dry running for prolonged periods while automatically priming and repriming. Able to perform in the toughest conditions, the HL225M can handle solids up to 65 mm in diameter. This makes it an extremely effective pump, suitable for both slurry and clean water applications. The powerful HL225M has proven itself a pump of choice for mines, quarries and many other high capacity applications.



Features and Benefits

- Fully automatic priming from dry to 8.5 metres 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 65 mm in diameter.
- Dry-running high pressure liquid bath mechanical seal, with high abrasion resistant Silicon carbide faces.
- A Close-coupled centrifugal pump with Godwin Dri-Prime system mounted to a diesel engine or electric drive.
- All cast iron construction (stainless steel construction option available) with cast steel impeller.
- Also available as a openset or as a bareshaft pumpend.
- Standard build engines; Caterpillar C15, Caterpillar C9. Other engine options are available.

Specifications

Suction connection	250 mm (10" BS10 Table 'D')
Delivery connection	200 mm (8" BS EN 1092 PN16)
Max capacity	832 m ³ /hr
Max Solids handling	65 mm
Max Impeller diameter	440 mm
Max operating temperature	80 °C *
Max pressure	11.3 bar
Max suction pressure	6.0 bar
Max casing pressure	16.9 bar
Max operating speed	2000 rpm

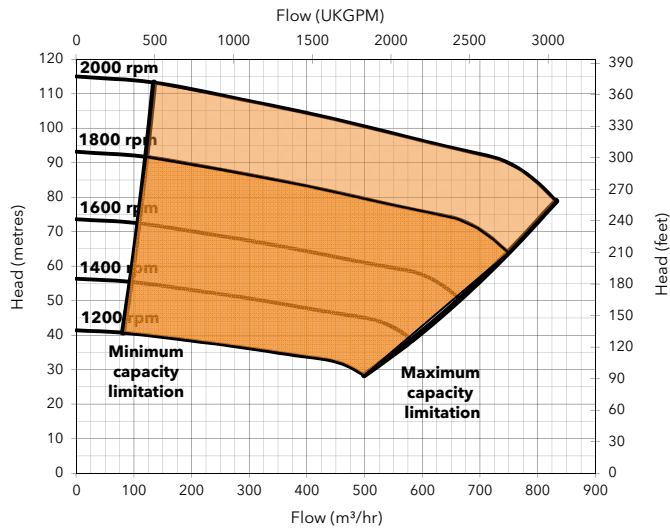
* Please contact our office for applications in excess of 80°C.

godwin 
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Please contact the factory or office 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

Price list ref - HL225M-01-DBH-002

Caterpillar, C15, 315.0 kW @ 2000 rpm

Impeller diameter 440 mm

Pump Speed 2000 rpm

Suction Lift Table

Total Suction Head (metres)	Total Delivery Head (metres)				
	75	87	93	99	106
	Output (m³/hr)				
3.0	839	744	611	444	278
4.6	833	722	567	360	222
6.1	611	583	533	356	178
7.6	472	433	389	278	-

Fuel capacity (Full) 1198 litres, (Usable) 970 litres

Fuel consumption @ 1800 rpm 78.3 litres/hour

Weight: (Dry) 8,450 kg, (Wet) 9,450 kg

Dimensions: (L) 5,250 x (W) 2,100 x (H) 3,055 mm

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.

Av Sound Pressure Rating (dba)

Running Speed (rpm)	Distance		
	1m	3m	7m
1200	71	66	63
1800	74	69	64
2000	76	70	65

Materials

Pump casing & suction cover	Cast iron BS EN 1561 - 1997
Wearplates	Cast Iron BS EN 1561 - 1997
Pump Shaft	Carbon steel BS EN 1561 - 1997
Impeller	Cast Steel BS3100 A5 Hardness to 200 HB Brinell
Non-return Valve body	Cast Iron BS EN 1561 - 1997
Mechanical Seal Faces	Silicon carbide vs silicon carbide

Engine option 2

Price list ref - HL225M-01-DBH-001

Caterpillar, C9, 205.0 kW @ 1800 rpm

Impeller diameter 440 mm

Pump Speed 1800 rpm

Suction Lift Table

Total Suction Head (metres)	Total Delivery Head (metres)				
	60	70	75	80	85
	Output (m³/hr)				
3.0	755	670	550	400	250
4.6	750	650	510	324	200
6.1	550	525	480	320	160
7.6	425	390	350	250	-

Fuel capacity (Full) 1198 litres, (Usable) 970 litres

Fuel consumption @ 1800 rpm 51.3 litres/hour

Weight: (Dry) 6,100 kg, (Wet) 6,800 kg

Dimensions: (L) 5,250 x (W) 2,100 x (H) 3,055 mm

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.

Av Sound Pressure Rating (dba)

Running Speed (rpm)	Distance		
	1m	3m	7m
1200	70	65	62
1800	78	75	70



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