

HL225M Dri-Prime® Pump

EU Stage 4 Engine Compliant

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 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 dewatering, local authority usage and many other 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.
- Liquid bath mechanical seal with dry-running endurance and 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 with cast steel impeller. Stainless steel construction option also available.
- Also available as Hush-Pac and highway trailer options.
- Other engines options are available, please check with our office.

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

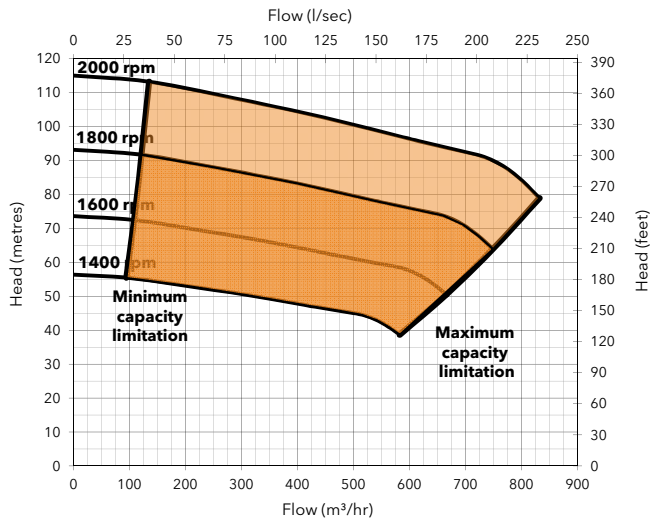
* Please contact our office for applications in excess of 80°C.

** To achieve maximum flow rates, larger pipe may be required.

This pump is fitted with a latest emissions engine. This is a powerful, reliable and economical engine that complies with latest EU Stage IV (Europe) EPA Tier 4F (North America) emissions legislation. The after treatment system uses Diesel Exhaust Fluid (DEF) (Urea Solution) to reduce the exhaust emissions. DEF is required for the engine to operate, and the tank must be regularly monitored to maintain fluid levels and engine operation.

godwin 
a xylem brand

Performance Curve



Engine option 1

Price list ref - HL225M-01-T4BO-003

Scania, DC13 384A [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	-

Emission Standards, EU Stage 4 / EPA Tier 4F

Fuel capacity (Full) 993 litres, (Usable) 1225 litres

BEP Fuel consumption @ 2000 rpm 70.7 litres/hr

Weight: (Dry) 5,132 kg, (Wet) 6,292 kg

Dimensions: (L) 4,000 x (W) 1,950 x (H) 2,350 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.

Diesel Exhaust Fluid capacity

Total Volume (litres)	75
Filling Volume (litres)	60

Diesel Exhaust Fluid Consumption

DEF consumption @ 2000 rpm BEP = 14 (g/kWh)

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-T4BO-004

Volvo, TAD 1170VE [217.0 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	-

Emission Standards, EU Stage 4 / EPA Tier 4F

Fuel capacity (Full) 850 litres, (Usable) 690 litres

BEP Fuel consumption @ 1800 rpm 50.3 litres/hr

Weight: (Dry) 5,130 kg, (Wet) 5,861 kg

Dimensions: (L) 3,700 x (W) 1,700 x (H) 2,200 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.

Diesel Exhaust Fluid capacity

Total Volume (litres)	70
Filling Volume (litres)	63

Diesel Exhaust Fluid consumption

DEF consumption @ 1800 rpm BEP = 17 (g/kWh)



Xylem Dewatering Solutions UK Ltd
Quenington, Cirencester
Gloucestershire GL7 5BX, England
Tel: +44 (0)1285 750271 Fax: +44 (0)1285 750351



Assessed to ISO 9001:2008
Certificate N° 1027

Reference number : 95-1113-1014
Date of issue : 20 December 2016
Issue : 1

www.godwinpumps.com