

HL150M Dri-Prime® Pump

EU Stage 4 Engine Compliant

The Godwin Dri-Prime HL150M pump is an extremely powerful yet compact pump with flow capabilities to 343 m³/hr and discharge heads to 124 metres.

The HL150M 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 HL150M can handle solids up to 35 mm in diameter. This makes it an extremely effective pump, suitable for both slurry and clean water applications. The powerful HL150M 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 35 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	150 mm (6" BS10 table 'D')
Delivery connection	150 mm (6" BS EN 1092 PN16)
Max capacity	343 m ³ /hr
Max Solids handling	35 mm
Max Impeller diameter	385 mm
Max operating temperature	80 °C *
Max pressure	12.7 bar
Max suction pressure	6.0 bar
Max casing pressure	19 bar
Max operating speed	2200 rpm

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

** To achieve maximum flow rates, larger pipe maybe required.

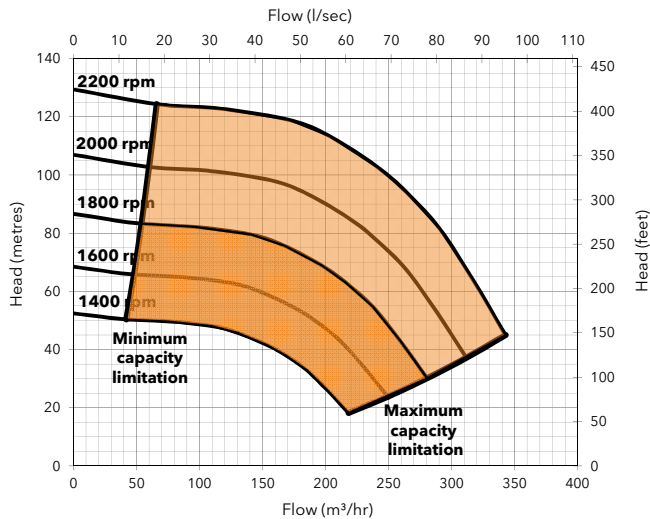
This pump is fitted with a latest emissions engine. This is a powerful, reliable and economical engine that complies with latest EU Stage IV (Europe) EPA Tier 4F (North America) emissions legislation. The after treatment system uses Diesel Exhaust Fluid (DEF) (Urea Solution) to reduce the exhaust emissions.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

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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 - HL150M-01-T4BO-001

Volvo, TAD 870VE [138.0 kW @ 2200 rpm]

Impeller diameter 385 mm

Pump Speed 2200 rpm

Suction Lift Table

Total Suction Head (metres)	Total Delivery Head (metres)				
	46	61	76	91	106
Output (m³/hr)					
3.0	342	318	293	263	220
4.6	336	312	287	257	214
6.1	306	306	281	244	196
7.6	232	229	226	220	183

Emission Standards, EU Stage 4 / EPA Tier 4F

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

BEP Fuel consumption @ 2200 rpm 28.8 litres/hr

Weight: (Dry) 2,650 kg, (Wet) 3,050 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 @ 2200 rpm BEP = 18 (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 - HL150M-01-T4BO-002

JCB, 444 TA4i-93 [80.9 kW @ 1800 rpm]

Impeller diameter 385 mm

Pump Speed 1800 rpm

Suction Lift Table

Total Suction Head (metres)	Total Delivery Head (metres)				
	30	40	50	60	70
Output (m³/hr)					
3.0	280	260	240	215	180
4.6	275	255	235	210	175
6.1	250	250	230	200	160
7.6	190	187	185	180	150

Emission Standards, EU Stage 3B / EPA Tier 4i

Fuel capacity (Full) 390 litres, (Usable) 318 litres

BEP Fuel consumption @ 1800 rpm 15.7 litres/hr

Weight: (Dry) 2,240 kg, (Wet) 2,560 kg

Dimensions: (L) 2,500 x (W) 1,300 x (H) 1,900 mm

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