

HL130M Dri-Prime® Pump

EU Stage 4 Engine Compliant

The Godwin Dri-Prime HL130M pump is an extremely powerful yet compact pump with flow capabilities to 340 m³/hr and discharge heads to 191 metres.

The HL130M 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 HL130M can handle solids up to 22 mm in diameter. This makes it an extremely effective pump, suitable for both slurry and clean water applications. The powerful HL130M 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 22 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 'E')
Delivery connection	100 mm (4" BS EN 1092 PN25)
Max capacity	340 m ³ /hr
Max Solids handling	22 mm
Max Impeller diameter	514 mm
Max operating temperature	80 °C *
Max pressure	18.8 bar
Max suction pressure	6.0 bar
Max casing pressure	28.3 bar
Max operating speed	2100 rpm

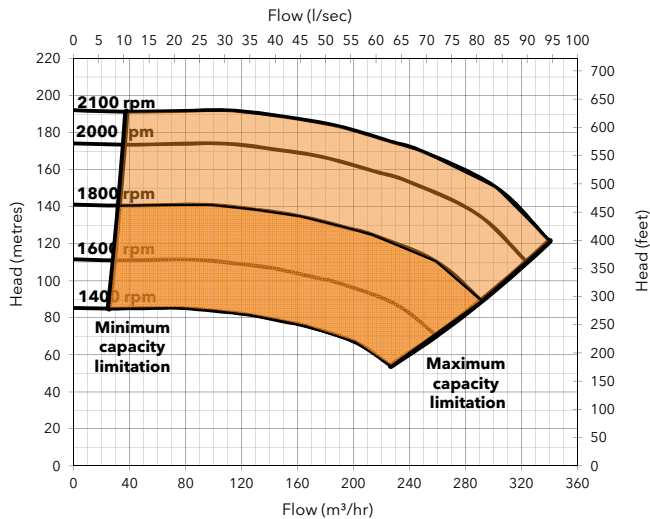
* Please contact our office for applications in excess of 80°C.

** 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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Performance Curve



Engine option 1

Price list ref - HL130M-01-T4BO-002

Scania, DC09 077A [216.0 kW @ 2100 rpm]

Impeller diameter 514 mm

Pump Speed 2100 rpm

Suction Lift Table

Total Suction Head (metres)	Total Delivery Head (metres)				
	111	149	160	171	182
Output (m³/hr)					
3.0	341	299	268	229	153
4.6	336	294	263	226	143
6.1	331	294	252	210	134
7.6	326	294	263	189	105

Emission Standards, EU Stage 4 / EPA Tier 4F

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

BEP Fuel consumption @ 2100 rpm 52.1 litres/hr

Weight: (Dry) 4,752 kg, (Wet) 5,483 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)	75
Filling Volume (litres)	60

Diesel Exhaust Fluid Consumption

DEF consumption @ 2100 rpm BEP = 12 (g/kWh)

Materials

Pump casing & suction cover	Cast iron BS EN 1561 - 1997
Wearplates	High Chromium Cast Iron HC403:1977 Grade FR6252
Pump Shaft	Carbon steel BS EN 1561 - 1997
Impeller	Cast Steel BS3100 A5 Hardness to 200 HB Brinell
Non-return Valve body	Steel BS3100 A5 Hardness to 200 HB Brinell
Mechanical Seal Faces	Silicon carbide vs silicon carbide

Engine option 2

Price list ref - HL130M-01-T4BO-003

Volvo, TAD 871VE [169.0 kW @ 1800 rpm]

Impeller diameter 514 mm

Pump Speed 1800 rpm

Suction Lift Table

Total Suction Head (metres)	Total Delivery Head (metres)				
	79	107	115	123	131
Output (m³/hr)					
3.0	293	257	230	196	131
4.6	288	252	225	194	122
6.1	284	252	216	180	115
7.6	279	252	225	162	90

Emission Standards, EU Stage 4 / EPA Tier 4F

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

BEP Fuel consumption @ 1800 rpm 32.1 litres/hr

Weight: (Dry) 4,790 kg, (Wet) 5,534 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 = 16 (g/kWh)



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