

HL200M Dri-Prime® Pump

EU Stage 4 Engine Compliant

The Godwin Dri-Prime HL200M pump is an extremely powerful yet compact pump with flow capabilities to 606 m³/hr and discharge heads to 107 metres.

The HL200M 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 HL200M can handle solids up to 38 mm in diameter. This makes it an extremely effective pump, suitable for both slurry and clean water applications. The powerful HL200M 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 38 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	200 mm (8" BS10 table 'D')
Delivery connection	150 mm (6" BS EN 1092 PN16)
Max capacity	606 m ³ /hr
Max Solids handling	38 mm
Max Impeller diameter	400 mm
Max operating temperature	80 °C *
Max pressure	10.5 bar
Max suction pressure	6.0 bar
Max casing pressure	15.8 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.

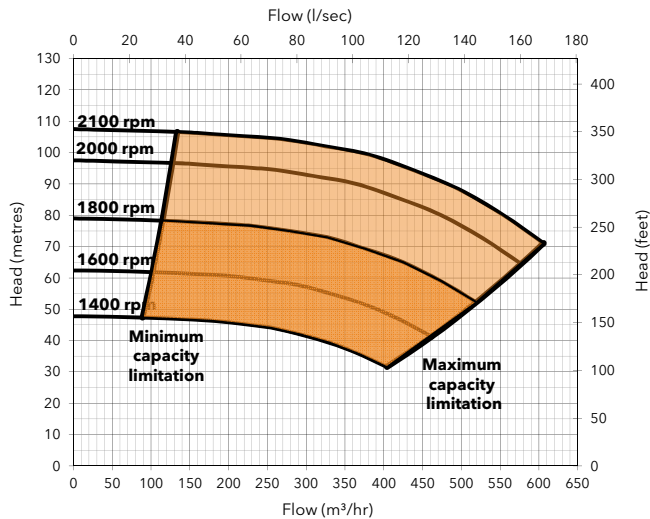
This pump is fitted with a latest emissions engine. This is a powerful, reliable and economical engine that complies with latest EU Stage IV (Europe) EPA Tier 4F (North America) emissions legislation. The after treatment system uses Diesel Exhaust Fluid (DEF) (Urea Solution) to reduce the exhaust emissions. 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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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 - HL200M-01-T4BO-002

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

Impeller diameter 400 mm

Pump Speed 2100 rpm

Suction Lift Table

Total Suction Head (metres)	Total Delivery Head (metres)				
	70	79	89	95	103
	Output (m³/hr)				
3.0	600	540	470	390	150
4.6	543	533	450	380	120
6.1	480	460	431	360	100
7.6	300	294	284	274	-

Emission Standards, EU Stage 4 / EPA Tier 4F

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

BEP Fuel consumption @ 2100 rpm 48.5 litres/hr

Weight: (Dry) 4,171 kg, (Wet) 4,902 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	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 - HL200M-01-T4BO-003

Volvo, TAD 870VE [146.0 kW @ 1800 rpm]

Impeller diameter 400 mm

Pump Speed 1800 rpm

Suction Lift Table

Total Suction Head (metres)	Total Delivery Head (metres)				
	49	56	63	68	73
	Output (m³/hr)				
3.0	514	463	403	334	129
4.6	465	457	386	326	103
6.1	411	394	370	309	86
7.6	257	252	244	235	-

Emission Standards, EU Stage 4 / EPA Tier 4F

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

BEP Fuel consumption @ 1800 rpm 29.1 litres/hr

Weight: (Dry) 4,230 kg, (Wet) 4,930 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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