

HL200M Dri-Prime® Hush-Pac

The Godwin Dri-Prime HL200M pump is an extremely powerful yet compact pump with flow capabilities to 635 m³/hr and discharge heads to 117 metres.

The HL200M features the unique Godwin high pressure oil 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 mines, quarries and many other high capacity applications.



Features and Benefits

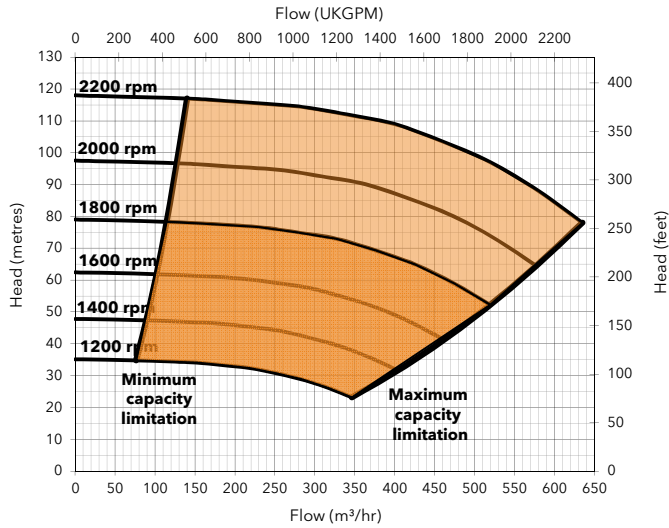
- Fully automatic priming from dry to 8.5 metres suction lift.
- Godwin Dri-Prime is a continuously operated Venturi air ejector priming device which requires no periodic adjustment or control.
- Extensive application flexibility. It will handle sewage, slurries and liquids with solids up to 38 mm in diameter.
- Dry-running high pressure oil 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 C9, Perkins 1106D-E66TA (168). Other engine options are available.

Specifications

Suction connection	200 mm (8" BS10 table 'D')
Delivery connection	150 mm (6" BS EN 1092 PN16)
Max capacity	635 m ³ /hr
Max Head	117 metres
Max Solids handling	38 mm
Max Impeller diameter	400 mm
Max operating temp	80 °C
Max working pressure	11.6 bar
Max suction pressure	6.0 bar
Max casing pressure	17.4 bar
Max operating speed	2200 rpm

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Performance Curve



Engine option 1

Price list ref - HL200M-01-DBH-003

Caterpillar, C9, 205.0 kW @ 2200 rpm

Impeller diameter 400 mm

Pump Speed 2200 rpm

Suction Lift Table

Total Suction Head (metres)	Total Delivery Head (metres)				
	77	87	98	105	113
	Output (m³/hr)				
3.0	629	566	492	409	157
4.6	569	558	471	398	126
6.1	503	482	452	377	105
7.6	314	308	298	287	-

Fuel capacity (Full) 772 litres, (Usable) 625 litres

Fuel consumption @ 2200 rpm BEP 55 litres/hour

Weight: (Dry) 5,300 kg, (Wet) 5,968 kg

Dimensions: (L) 4,580 x (W) 2,065 x (H) 2,545 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.

Running Speed (rpm)	Av Sound Pressure Rating (dbA)		
	Distance		
	1m	3m	7m
1200	70	65	62
1800	78	75	70
2100	84	80	74

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-DBH-002

Perkins, 1106D-E66TA (168), 143.6 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	-

Fuel capacity (Full) 324 litres, (Usable) 262 litres

Fuel consumption @ 1800 rpm BEP 37 litres/hour

Weight: (Dry) 3,300 kg, (Wet) 3,588 kg

Dimensions: (L) 3,350 x (W) 1,300 x (H) 1,887 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.

Running Speed (rpm)	Av Sound Pressure Rating (dbA)		
	Distance		
	1m	3m	7m
1800	79	75	71
2000	82	78	72



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