

HL125M Dri-Prime® Hushpac

HL125M

The Godwin Dri-Prime® HL125M pump is an extremely powerful yet compact pump with flow capabilities to 299 m³/hr and discharge heads to 134 metres.

The HL125M 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 HL125M 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 HL125M has proven itself a pump of choice for sewer bypass, general dewatering and many other applications.



Features

- 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.
- 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 engine Perkins 1106D-E66TA (129). Also available with Perkins 1104D-E44TA

Specifications

Suction connection	150 mm (6" BS10 table 'D')
Delivery connection	100 mm (BS EN 1092 PN16)
Max capacity	299 m ³ /hr
Max Head	134 metres
Max Solids handling	35 mm
Max Impeller diameter	370 mm
Max operating temp	80 °C
Max working pressure	14.3 bar
Max suction pressure	6.0 bar
Max casing pressure	21.5 bar
Max operating speed	2400 rpm

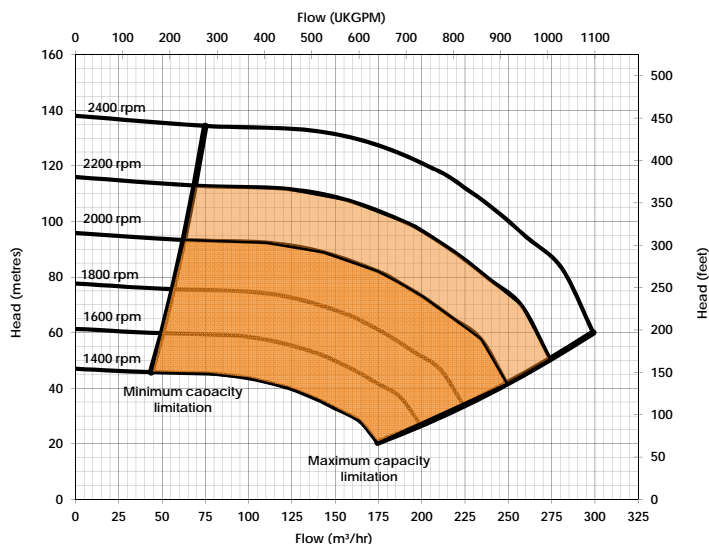
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Please contact the factory or office for further details.
A typical picture of the pump is shown.
All information is approximate and for general guidance only.

Performance Curve



Materials

Pump casing & suction cover	Cast iron BS1452:1990 Grade 220
Wearplates	High Chromium Cast Iron HC403:1977 Hardened to 480 HB Brinelli
Pump Shaft	Nickel Chrome Steel to BS970 Grade 817M40T
Impeller	Cast Steel BS3100 A5 Hardness to 200 HB Brinell
Non-return Valve body	Cast Iron
Mechanical Seal Faces	Silicon carbide vs silicon carbide

Engine option 1

Perkins, 1106D-E66TA (129), 103.5 kW @ 2200 rpm

Impeller diameter 370 mm

Suction Lift Table

Total Suction Head (metres)	Total Delivery Head (metres)				
	42	61	79	91	103
	Output (m³/hr)				
3.0	275	264	237	204	165
4.6	275	264	231	198	154
6.1	216	198	165	143	121
7.6	158	149	132	110	66

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

Fuel consumption @ 2200 rpm BEP = 26 litres/hour

Weight: (Dry) 2,900 kg, (Wet) 3,200 kg

Dimensions: (L) 2,950 x (W) 1,300 x (H) 1,900 mm

Overall dimensions

Length	3350 mm
Width	1300 mm
Height	1887 mm

Acoustic information

Speed (rpm)	Average Sound Pressure rating dB(A)		
	1 m	3 m	7 m
1400	73	66	67
2000	77	71	68
2200	79	78	76

Engine option 2

Perkins, 1104D-E44TA, 74.1 kW @ 2000 rpm

Impeller diameter 370 mm

Suction Lift Table

Total Suction Head (metres)	Total Delivery Head (metres)				
	35	50	65	75	85
	Output (m³/hr)				
3.0	250	240	215	185	150
4.6	250	240	210	180	140
6.1	196	180	150	130	110
7.6	144	135	120	100	60

Fuel capacity (Full) 340 litres, (Usable) 255 litres

Fuel consumption @ 2000 rpm BEP = 17 litres/hour

Weight: (Dry) 2,150 kg, (Wet) 2,500 kg

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

Overall dimensions

Length	2890 mm
Width	1300 mm
Height	1800 mm

Acoustic information

Speed (rpm)	Average Sound Pressure rating (dB)		
	1 m	3 m	7 m
1400	72	65	65
1800	76	69	66
2400	81	80	78

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Performance data provided in tables is based on water tests at sea level and 20°C ambient.

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