

HL260M Dri-Prime® Pump

HL260M

The Godwin Dri-Prime® HL260M pump is an extremely powerful yet compact pump with flow capabilities to 1,260 m³/hr and discharge heads to 147 metres.

The HL260M features the unique Godwin high pressure Glycol mechanical seal design. This allows for dry running for prolonged periods while automatically priming and repriming. Able to perform in the toughest conditions, the HL260M can handle solids up to 50 mm in diameter. This makes it an extremely effective pump, suitable for both slurry and clean water applications. The powerful HL260M has proven itself a pump of choice for mines, quarries and many other high capacity 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 screened sewage, slurries and liquids with solids up to 50 mm in diameter.
- Dry-running high pressure Glycol 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 hushpac or as a bareshaft pumpend.
- Standard engine Volvo TAD1643VE. Also available with Caterpillar C18

Specifications

Suction connection	250 mm (10" BS10 table 'D')
Delivery connection	200 mm (BS EN 1092 PN16)
Max capacity	1260 m ³ /hr
Max Head	147 metres
Max Solids handling	50 mm
Max Impeller diameter	540 mm
Max operating temp	80 °C
Max working pressure	16.0 bar
Max suction pressure	6.0 bar
Max casing pressure	24.0 bar
Max operating speed	1800 rpm

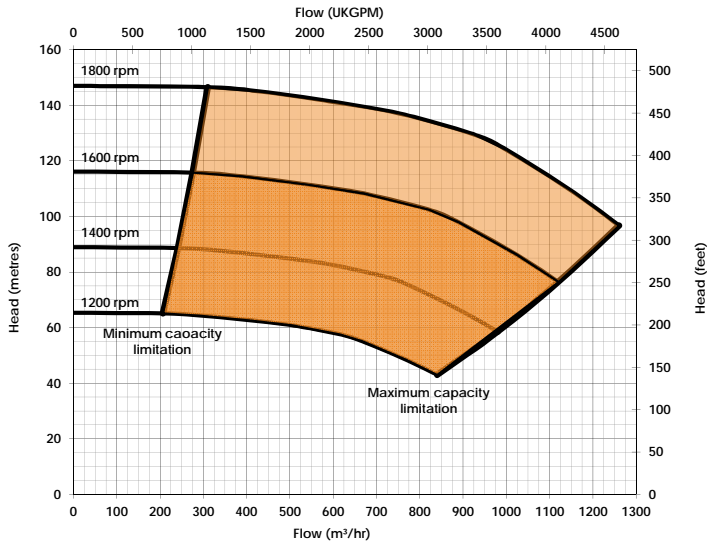
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Please contact the factory or office for further details.
A typical picture of the pump is shown.
All information is approximate and for general guidance only.

Performance Curve



Materials

Pump casing & suction cover	Cast steel BS3100 A5
Wearplates	Cast Iron - Chrome 1.0/1.5% Nickle 2%
Pump Shaft	Nickel Chrome Steel to BS970-1:1991 Grade 817M40T EN24T
Impeller	Cast Steel BS3100 A5 Hardness to 200 HB Brinell
Non-return Valve body	Cast Iron
Mechanical Seal Faces	Inboard TC v TC, Outboard Silicon carbide v Carbon

Engine option 1

Volvo, TAD1643VE, 543.0 kW @ 1800 rpm

Impeller diameter 540 mm

Suction Lift Table

Total Suction Head (metres)	Total Delivery Head (metres)				
	110	120	130	135	140
3.0	1075	925	750	600	300
4.6	1075	925	750	600	300
6.1	850	800	700	500	400
7.6	500	400	300	200	-

Fuel capacity (Full) 685 litres, (Usable) 555 litres

Fuel consumption @ 1800 rpm BEP 120 litres/hour

Weight: (Dry) 6,250 kg, (Wet) 6,900 kg

Dimensions: (L) 4,300 x (W) 1,980 x (H) 2,525 mm

Engine option 2

Caterpillar, C18, 415.0 kW @ 1600 rpm

Impeller diameter 540 mm

Suction Lift Table

Total Suction Head (metres)	Total Delivery Head (metres)				
	85	92	100	104	108
3.0	956	822	667	533	267
4.6	956	822	667	533	267
6.1	756	711	622	444	356
7.6	444	356	267	178	-

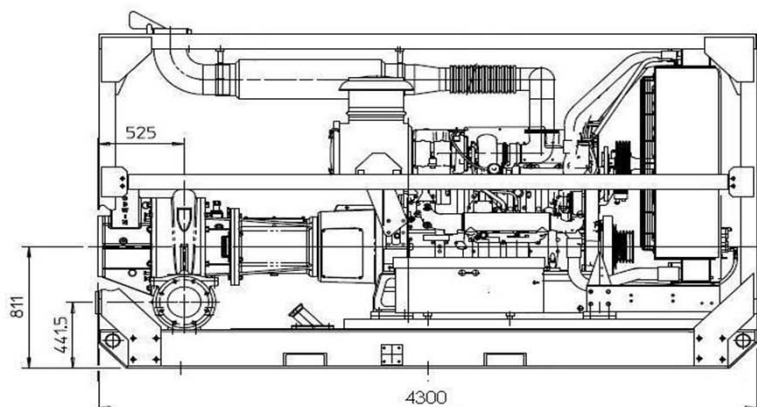
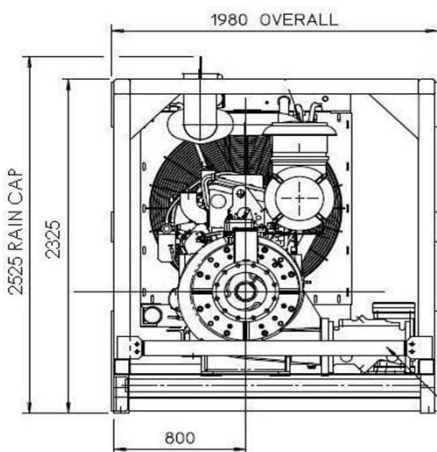
Fuel capacity (Full) 685 litres, (Usable) 555 litres

Fuel consumption @ 1600 rpm BEP 87 litres/hour

Weight: (Dry) 6,100 kg, (Wet) 6,850 kg

Dimensions: (L) 4,300 x (W) 1,980 x (H) 2,525 mm

HL260M - Caterpillar C18



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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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Assessed to ISO 9001:2008
Certificate No: 1027