

CD225M Dri-Prime® Hushpac

CD225M

The Godwin Dri-Prime® CD225M pump is an extremely powerful yet compact pump with flow capabilities to 800 m³/hr and discharge heads to 54 metres.

The CD225M 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 CD225M can handle solids up to 75 mm in diameter. This makes it an extremely effective pump, suitable for both slurry and clean water applications. The powerful CD225M 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 sewage, slurries and liquids with solids up to 75 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

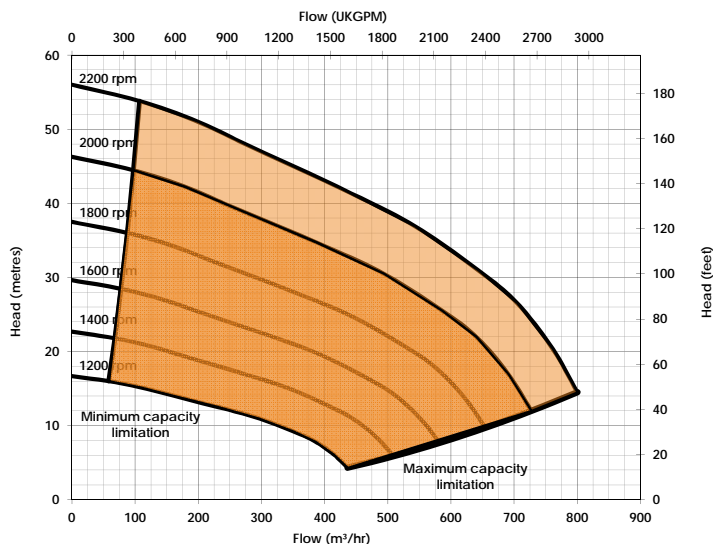
Specifications

Suction connection	200 mm (8" BS10 Table 'D')
Delivery connection	200 mm (8" BS10 Table 'D')
Max capacity	800 m ³ /hr
Max Head	54 metres
Max Solids handling	75 mm
Max Impeller diameter	290 mm
Max operating temp	80 °C
Max working pressure	5.5 bar
Max suction pressure	5.0 bar
Max casing pressure	8.3 bar
Max operating speed	2200 rpm



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Performance Curve



Materials

Pump casing & suction cover	Cast iron BS1452:1990 Grade 220
Wearplates	High Chromium Cast Iron HC403:1977
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 290 mm

Suction Lift Table

Total Suction Head (metres)	Total Delivery Head (metres)				
	17	24	33	41	45
Output (m³/hr)					
3.0	781	691	556	353	271
4.6	737	660	517	314	231
6.1	682	612	473	270	182
7.6	616	550	429	226	132

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

Fuel consumption @ 2200 rpm BEP = 27 litres/hour

Weight: (Dry) 2,812 kg, (Wet) 3,100 kg

Engine option 2

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

Impeller diameter 290 mm

Suction Lift Table

Total Suction Head (metres)	Total Delivery Head (metres)				
	14	20	27	34	37
Output (m³/hr)					
3.0	710	628	505	321	246
4.6	670	600	470	285	210
6.1	620	556	430	245	165
7.6	560	500	390	205	120

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

Fuel consumption @ 2000 rpm BEP = 18 litres/hour

Weight: (Dry) 2,166 kg, (Wet) 2,459 kg

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	67	66
2000	77	71	68
2200	79	78	76

Overall dimensions

Length	2890 mm
Width	1300 mm
Height	1800 mm

Acoustic information

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

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.

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Assessed to ISO 9001:2008 Certificate N° 1027