

CD225M Dri-Prime[®] Hush-Pac

The Godwin Dri-Prime CD225M pump is an extremely powerful yet compact pump with flow capabilities to 735 m³/hr and discharge heads to 49 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 and Benefits

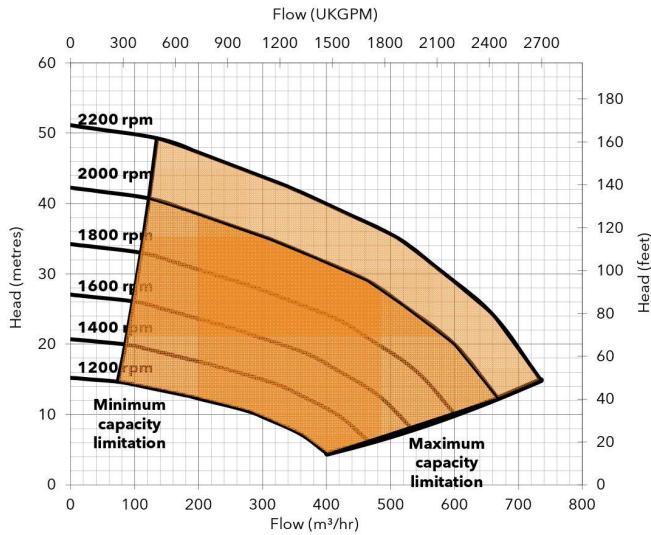
- Fully automatic priming from dry to 8.5 metres suction lift.
- Godwin Dri-Prime is a continuously operated Venturi air ejector priming device which requires no periodic adjustment or control.
- Extensive application flexibility. It will handle sewage, slurries and liquids with solids up to 75 mm in diameter.
- Dry-running high pressure liquid 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; Perkins 1106D-E66TA (129), Perkins 1104D-E44TA. Other engine options are available.

Specifications

Suction connection	200 mm (8" BS10 Table 'D')
Delivery connection	200 mm (8" BS10 Table 'D')
Max capacity	735 m ³ /hr
Max Solids handling	75 mm
Max Impeller diameter	290 mm
Max operating temperature	80 °C *
Max pressure	5.0 bar
Max suction pressure	5.0 bar
Max casing pressure	7.5 bar
Max operating speed	2200 rpm

* Please contact our office for applications in excess of 80°C.

Performance Curve



Engine option 1

Price list ref - CD225M-01-DBH-003

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

Impeller diameter 290 mm

Pump Speed 2200 rpm

Suction Lift Table

Total Suction Head (metres)	Total Delivery Head (metres)				
	13	21	31	37	42
	Output (m³/hr)				
3.0	715	660	528	-	-
4.6	660	578	468	385	-
6.1	385	385	385	330	-
7.6	275	275	275	220	88

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

Fuel consumption @ 2000 rpm 26.7 litres/hour

Weight: (Dry) 2,940 kg, (Wet) 3,230 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.

Av Sound Pressure Rating (dba)

Running Speed (rpm)	Distance		
	1m	3m	7m
1400	73	67	66
2000	77	71	68
2200	79	78	76

Materials

Pump casing & suction cover	Cast iron BS EN 1561 - 1997
Wearplates	High Chromium Cast Iron HC403:1977
Pump Shaft	Carbon steel BS 970 - 1991 817M40T
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 - CD225M-01-DBH-002

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

Impeller diameter 290 mm

Pump Speed 2000 rpm

Suction Lift Table

Total Suction Head (metres)	Total Delivery Head (metres)				
	10	17	25	30	34
	Output (m³/hr)				
3.0	650	600	480	-	-
4.6	600	525	425	350	-
6.1	350	350	350	300	-
7.6	250	250	250	200	80

Fuel capacity (Full) 340 litres, (Usable) 275 litres

Fuel consumption @ 2000 rpm 18.5 litres/hour

Weight: (Dry) 2,100 kg, (Wet) 2,350 kg

Dimensions: (L) 2,890 x (W) 1,300 x (H) 1,800 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.

Av Sound Pressure Rating (dba)

Running Speed (rpm)	Distance		
	1m	3m	7m
1400	72	65	65
1800	76	69	66