CD250M Dri-Prime® Pump

The Godwin Dri-Prime CD250M pump is an extremely powerful yet compact pump with flow capabilities to 845 m³/hr and discharge heads to 54 metres.

The CD250M 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 CD250M 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 CD250M 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 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 Hush-Pac or as a bareshaft pumpend.
- Standard build engines; Perkins 1106D-E66TA (129), Perkins 1104D-E44TA. Other engine options are available.

Specifications

Suction connection	250 mm (10'' BS10 Table 'D')
Delivery connection	250 mm (10'' BS10 Table 'D')
Max capacity	845 m³/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	4.5 bar
Max casing pressure	8.2 bar
Max operating speed	2200 rpm

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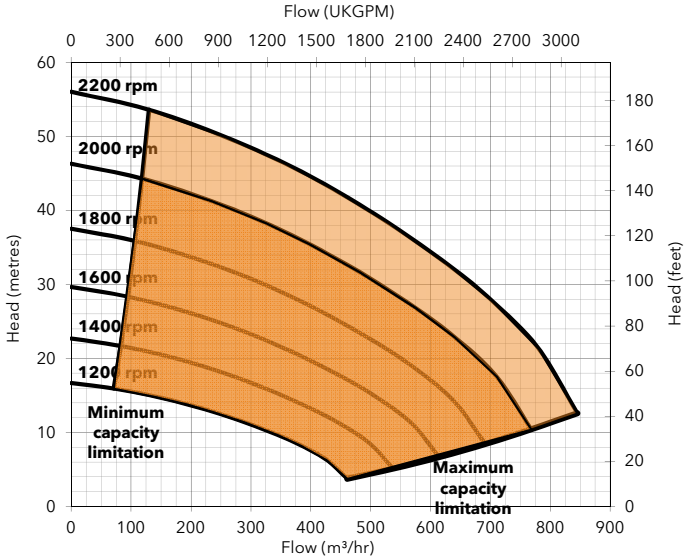
Please contact the factory or office for further details.
A typical picture of the pump is shown.
All information is approximate and for general guidance only.

Performance Curve



Materials

Pump casing & suction cover	Cast iron BS EN 1561 - 1997
Wearplates	Cast iron BS EN 1561 - 1997
Pump Shaft	Carbon steel BS 970 - 1991 817M40T
Impeller	Cast Steel BS3100 1976GRBW 4 Hardness to 341 HB Brinell
Non-return Valve body	Cast iron BS EN 1561 - 1997
Mechanical Seal Faces	Silicon carbide vs silicon carbide

Engine option 1

Price list ref - CD250M-01-DBO-002

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)				
	7	19	32	44	49
	Output (m³/hr)				
3.0	853	770	589	330	198
4.6	836	748	561	281	132
6.1	770	715	517	231	127
7.6	715	660	523	176	-

Fuel capacity (Full) 475 litres, (Usable) 388 litres

Fuel consumption @ 2200 rpm BEP 26 litres/hour

Weight: (Dry) 2,785 kg, (Wet) 3,195 kg

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

Engine option 2

Price list ref - CD250M-01-DBO-001

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)				
	5	15	26	36	40
	Output (m³/hr)				
3.0	775	700	535	300	180
4.6	760	680	510	255	120
6.1	700	650	470	210	115
7.6	650	600	475	160	-

Fuel capacity (Full) 390 litres, (Usable) 318 litres

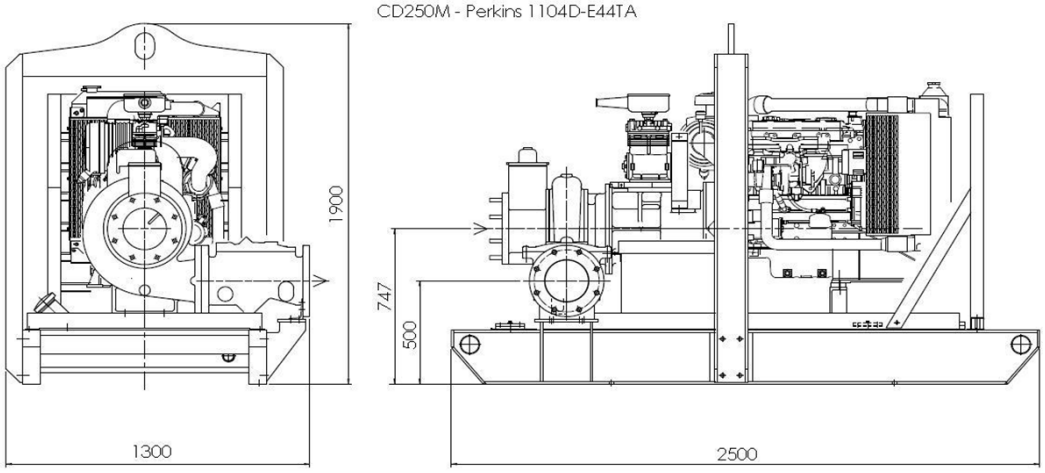
Fuel consumption @ 2000 rpm BEP 17 litres/hour

Weight: (Dry) 2,500 kg, (Wet) 2,830 kg

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

CD250M - Perkins 1104D-E44TA



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