

CD225M Dri-Prime® Pump

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 Hush-Pac or as a bareshaft pumpend.
- Standard build engines; Perkins 1106D-E66TA (129), Perkins 1104D-E44TA, Perkins 1104D-44TA. Other engine options are available.

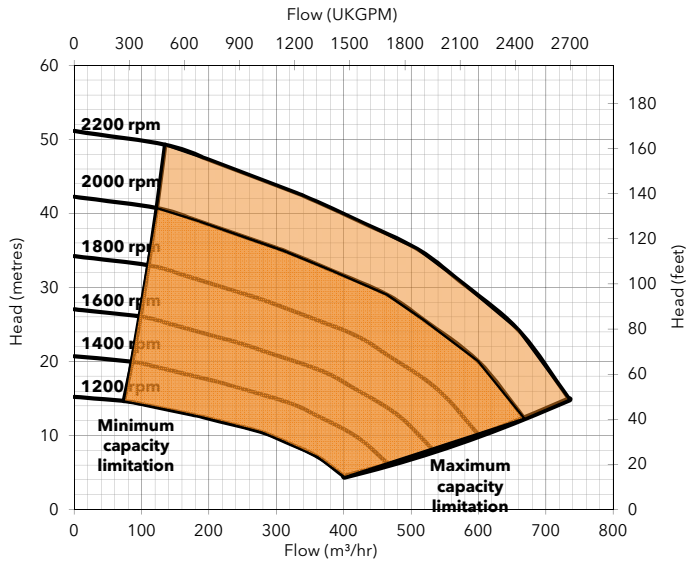
Specifications

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.

godwin 
a xylem brand

Performance Curve



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 1

Price list ref - CD225M-01-DBO-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

Engine option 2

Price list ref - CD225M-01-DBO-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) 475 litres, (Usable) 388 litres

Fuel consumption @ 2000 rpm 26.7 litres/hour

Weight: (Dry) 2,700 kg, (Wet) 3,100 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.

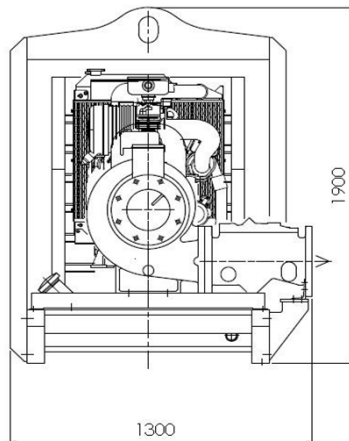
Fuel capacity (Full) 390 litres, (Usable) 318 litres

Fuel consumption @ 2000 rpm 18.5 litres/hour

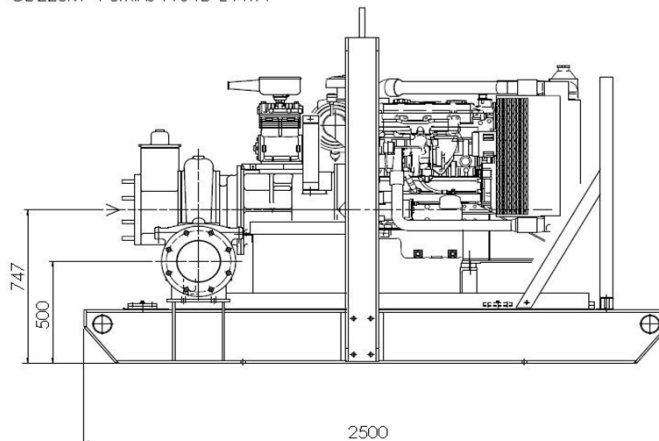
Weight: (Dry) 1,995 kg, (Wet) 2,325 kg

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.



CD225M - Perkins 1104D-E44TA



Xylem Dewatering Solutions UK Ltd
 Quenington, Cirencester
 Gloucestershire GL7 5BX, England
 Tel: +44 (0)1285 750271 Fax: +44 (0)1285 750352



Assessed to ISO 9001:2008
 Certificate N° 1027

Reference number : 95-1015-1000
 Date of issue : 08 November 2013
 Issue : 12

www.godwinpumps.com