

# DPC300 Dri-Prime® Pump

The Godwin Dri-Prime DPC300 pump is an extremely powerful yet compact pump with flow capabilities to 1,154 m<sup>3</sup>/hr and discharge heads to 33 metres.

The DPC300 features an 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 DPC300 can handle solids up to 95 mm in diameter. This makes it an extremely effective pump, suitable for both slurry and clean water applications. The powerful DPC300 has proven itself a pump of choice for mines, quarries and many other high capacity applications.



## Features and Benefits

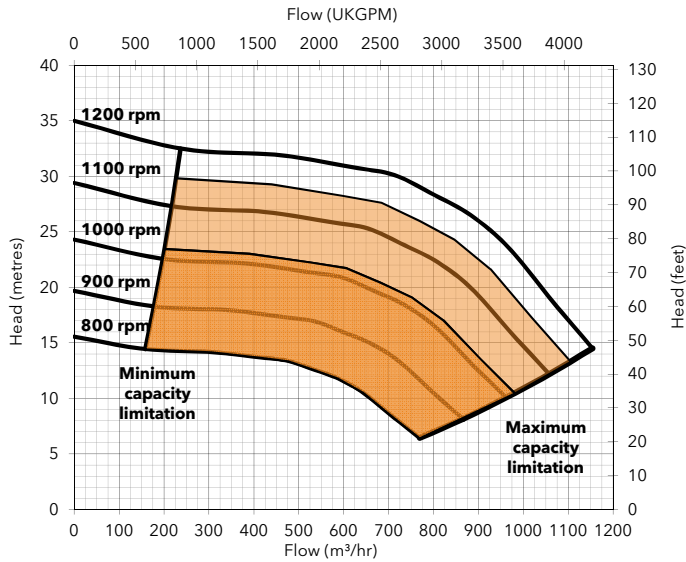
- Fully automatic priming from dry to 8.5 metres suction lift.
- Godwin Dri-Prime is a continuously operated Venturi air ejector priming device which requires no periodic adjustment or control.
- Extensive application flexibility. It will handle sewage, slurries and liquids with solids up to 95 mm in 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	300 mm (12" BS10 table 'D')
Delivery connection	300 mm (12" BS10 table 'D')
Max capacity	1154 m <sup>3</sup> /hr
Max Head	33 metres
Max Solids handling	95 mm
Max Impeller diameter	430 mm
Max operating temp	80 °C
Max working pressure	3.4 bar
Max suction pressure	2.0 bar
Max casing pressure	5.1 bar
Max operating speed	1200 rpm

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## Performance Curve



## Engine option 1

Price list ref - DPC300-01-DBO-002

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

Impeller diameter 430 mm

Pump Speed 1150 rpm

### Suction Lift Table

Total Suction Head (metres)	Total Delivery Head (metres)				
	8	12	16	20	24
	Output (m³/hr)				
3.0	1094	1026	953	857	676
4.6	1071	992	902	767	225
6.1	958	846	676	451	169
7.6	507	451	338	225	-

Fuel capacity (Full) 850 litres, (Usable) 690 litres

Fuel consumption @ 2200 rpm BEP 27 litres/hour

Weight: (Dry) 3,606 kg, (Wet) 4,314 kg

Dimensions: (L) 3,700 x (W) 1,700 x (H) 2,200 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.

## 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 Iron BS EN 1561 - 1997
Non-return Valve body	Cast iron BS EN 1561 - 1997
Mechanical Seal Faces	Silicon carbide vs silicon carbide

## Engine option 2

Price list ref - DPC300-01-DBO-001

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

Impeller diameter 430 mm

Pump Speed 1020 rpm

### Suction Lift Table

Total Suction Head (metres)	Total Delivery Head (metres)				
	6	9	12	15	18
	Output (m³/hr)				
3.0	970	910	845	760	600
4.6	950	880	800	680	200
6.1	850	750	600	400	150
7.6	450	400	300	200	-

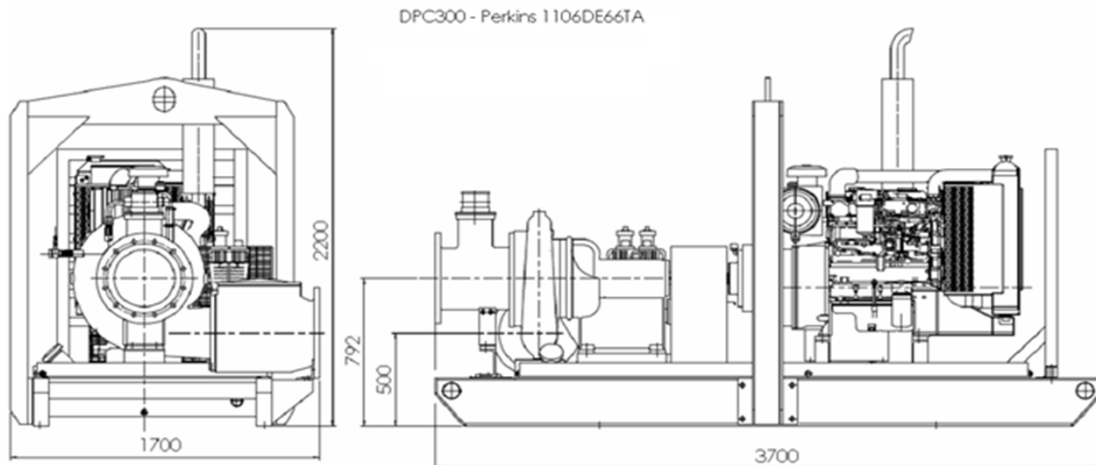
Fuel capacity (Full) 850 litres, (Usable) 690 litres

Fuel consumption @ 2000 rpm BEP 17 litres/hour

Weight: (Dry) 3,500 kg, (Wet) 4,201 kg

Dimensions: (L) 3,700 x (W) 1,700 x (H) 2,200 mm

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Assessed to ISO 9001:2008  
 Certificate N° 1027

Reference number : 95-1017-1000  
 Date of issue : 01 March 2013  
 Issue : 10

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