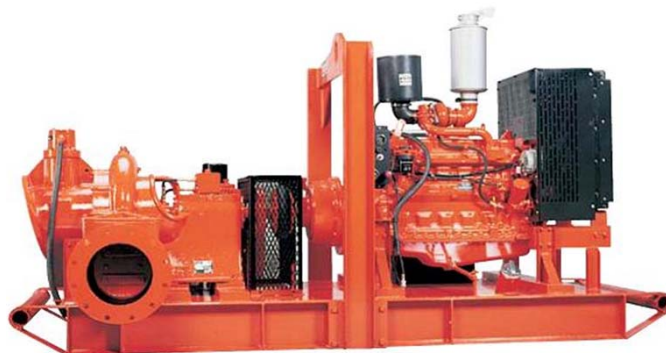


DPC300 Dri-Prime® Pump

DPC300

The Godwin Dri-Prime® DPC300 pump is an extremely powerful yet compact pump with flow capabilities to 1,154 m³/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

- 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 screened sewage, slurries and liquids with solids up to 95 mm in diameter.
- Dry-running 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 hushpac or as a bareshaft pumpend.
- Standard engine Perkins 1106D-E66TA (129). Also available with Perkins 1104D-E44TA

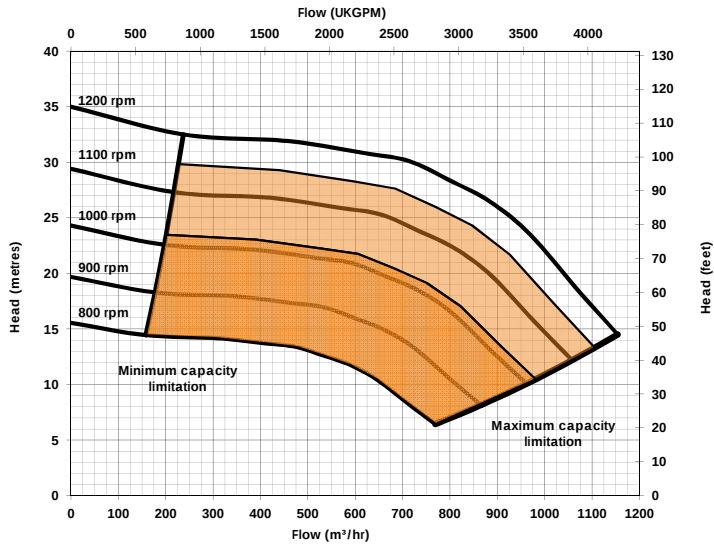
Specifications

Suction connection	300 mm (12" BS10 table 'D')
Delivery connection	300 mm (12" BS10 table 'D')
Max capacity	1154 m³/hr
Max Head	33 metres
Max Solids handling	95 mm
Max Impeller diameter	430 mm
Max operating temp	80 °C
Max working pressure	3.5 bar
Max suction pressure	2.0 bar
Max casing pressure	4.1 bar
Max operating speed	1200 rpm



Hoogeindsestraat 5
NL - 5447 PD Rijkevoort
Nederland
T : +31 (0) 485 - 371318
F : +31 (0) 485 - 371918
info@pompentechniek.nl
www.pompentechniek.nl

Performance Curve



Engine option 1

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	11	15	19	23
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

Materials

Pump casing & suction cover	Cast iron BS1452:1990 Grade 220
Wearplates	Cast iron to BS1452 Gr220
Pump Shaft	Carbon steel BS970-3:1991 080M40
Impeller	Cast Steel BS3100 1976GRBW 4 Hardness to 200 HB Brinell
Non-return Valve body	Cast Iron
Mechanical Seal Faces	Silicon carbide vs silicon carbide

Engine option 2

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	-

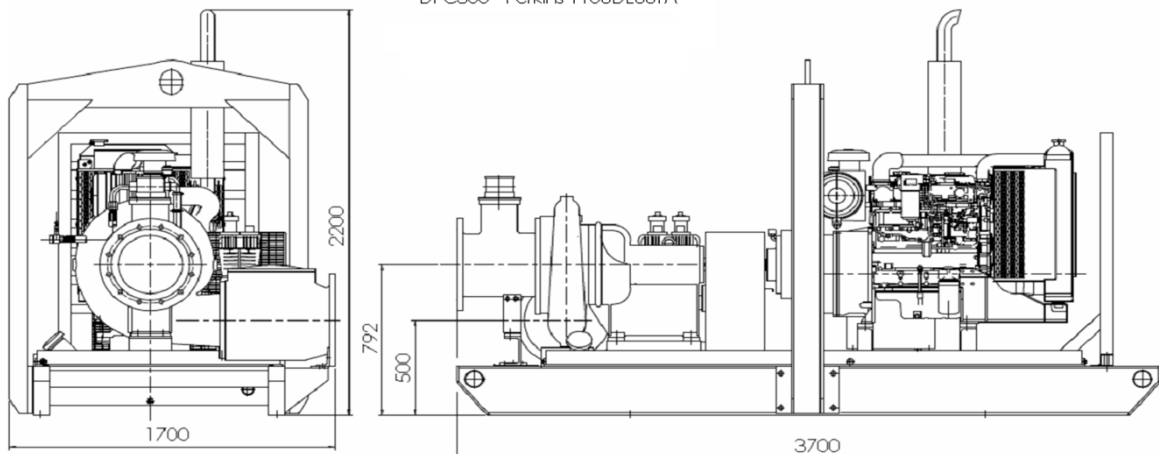
Fuel capacity (Full) 850 litres, (Usable) 690 litres

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

DPC300 - Perkins 1106DE66TA



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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a xylem brand



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Assessed to ISO 9001:2008
Certificate N° 1027