

CD150L Dri-Prime® Pump

CD150L

The Godwin Dri-Prime® CD150L pump is an extremely powerful yet compact pump with flow capabilities to 230 m³/hr and discharge heads to 38 metres.

The CD150L features the unique Godwin high pressure oil bath mechanical seal design. This allows for totally dry running for indefinite periods while automatically priming and repriming. Able to perform in the toughest conditions, the CD150L can handle solids up to 45 mm in diameter. This makes it an extremely effective pump, suitable for both slurry and clean water applications. The powerful CD150L has proven itself a pump of choice for sewer bypass, general dewatering and many other 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 sewage, slurries and liquids with solids up to 45 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 hushpac or as a bareshaft pumpend.
- Standard engine Perkins 404D-22. Also available with Lister TR3

Specifications

Suction pipe	150 mm (6" BS10 Table 'D')
Delivery pipe	150 mm (6" BS10 Table 'D')
Max capacity	230 m ³ /hr
Max Head	38 metres
Solids handling	45 mm
Impeller diameter	230 mm
Max operating temp	80 °C
Max working pressure	3.8 bar
Max suction pressure	2.8 bar
Max casing pressure	5.7 bar
Max operating speed	2200 rpm
Fuel tank capacity	170 litres
Fuel consumption (BEP) 18.0 kW @ 2200 rpm	5.9 litres/hour

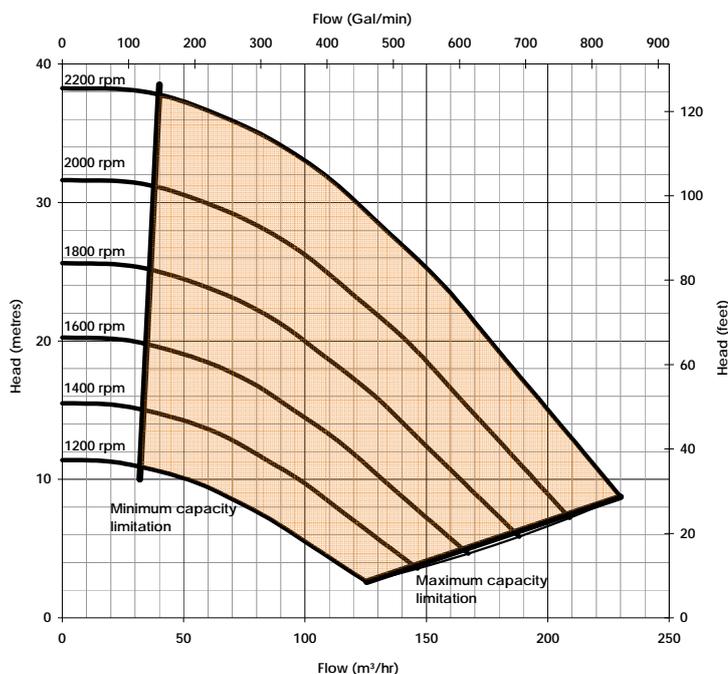


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Reference number : 95-1010-1000
Date of issue : 03 March 2010
Issue : 4

Please contact Godwin Pumps Ltd 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 BS1452:1990 Grade 220
Wearplates	Cast iron to BS1452 Gr220
Pump Shaft	Carbon steel BS970 080M40
Impeller	Cast Steel BS3100 A5 Hardness to 200 HB Brinell
Non-return Valve body	Cast Iron
Mechanical Seal Faces	Silicon carbide vs silicon carbide

Weight

CD150L with Perkins 404D-22 engine	Dry weight	1,200 kg
	Wet weight	1,345 kg
CD150L with Lister TR3 engine	Dry weight	950 kg
	Wet weight	1,017 kg

Engine option 1

Perkins, 404D-22, 27.2 kW @ 2200 rpm

Impeller diameter 230 mm

Engine option 2

Lister, TR3, 24.0 kW @ 2200 rpm

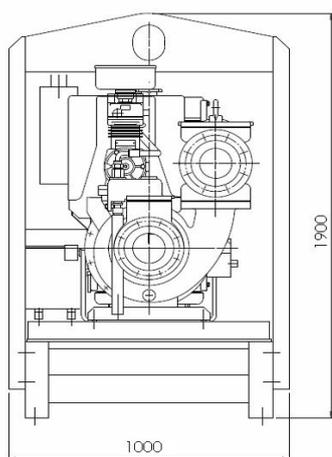
Impeller diameter 230 mm

Suction Lift Table

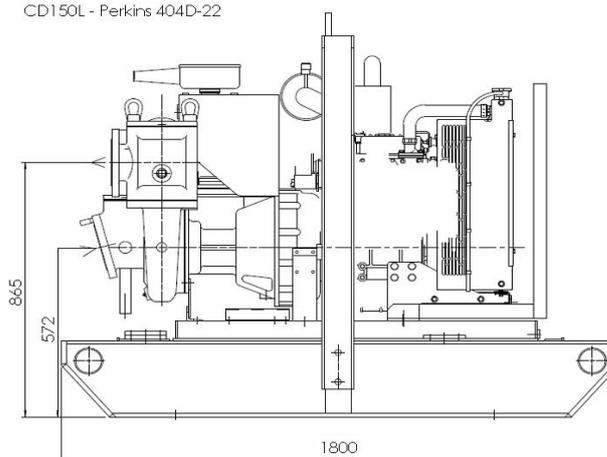
Total Suction Head (metres)	Total Delivery Head (metres)				
	10	14	20	25	30
3.0	210	190	162	133	99
4.6	180	170	145	125	85
6.1	165	155	138	115	70
7.6	140	135	122	100	45

Suction Lift Table

Total Suction Head (metres)	Total Delivery Head (metres)				
	10	14	20	25	30
3.0	200	190	162	133	99
4.6	180	170	145	125	85
6.1	165	155	138	115	70
7.6	140	135	122	100	45



CD150L - Perkins 404D-22



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Performance data provided in tables is based on water tests at sea level and 20°C ambient.

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