

# CD150L Dri-Prime® Pump

CD150L

The Godwin Dri-Prime® CD150L pump is an extremely powerful yet compact pump with flow capabilities to 230 m<sup>3</sup>/hr and discharge heads to 38 metres.

The CD150L 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 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

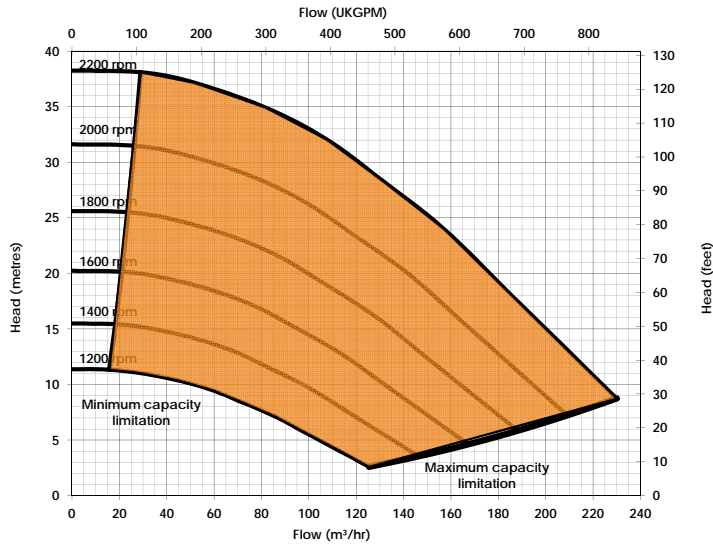
## Specifications

Suction connection	150 mm (6" BS10 Table 'D')
Delivery connection	150 mm (6" BS10 Table 'D')
Max capacity	230 m <sup>3</sup> /hr
Max Head	38 metres
Max Solids handling	45 mm
Max 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



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## 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

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### Engine option 1

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

Impeller diameter 230 mm

#### Suction Lift Table

Total Suction Head (metres)	Total Delivery Head (metres)				
	10	14	20	25	30
Output (m³/hr)					
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

Fuel capacity (Full) 170 litres, (Usable) 140 litres

Fuel consumption @ 2200 rpm BEP 6 litres/hour

Weight: (Dry) 1,200 kg, (Wet) 1,345 kg

Dimensions: (L) 1,800 x (W) 1,000 x (H) 1,900 mm

### Engine option 2

Lister, TR3, 24.0 kW @ 2200 rpm

Impeller diameter 230 mm

#### Suction Lift Table

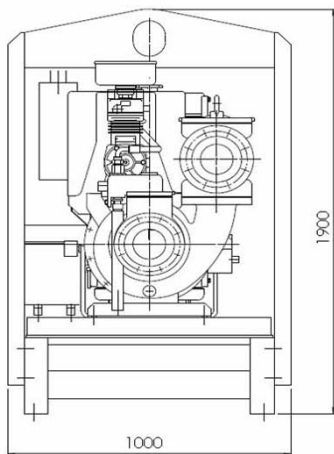
Total Suction Head (metres)	Total Delivery Head (metres)				
	10	14	20	25	30
Output (m³/hr)					
3.0	210	190	162	133	99
4.6	180	170	145	125	85
6.1	165	155	138	115	70
7.6	140	135	122	100	45

Fuel capacity (Full) 72 litres, (Usable) 58 litres

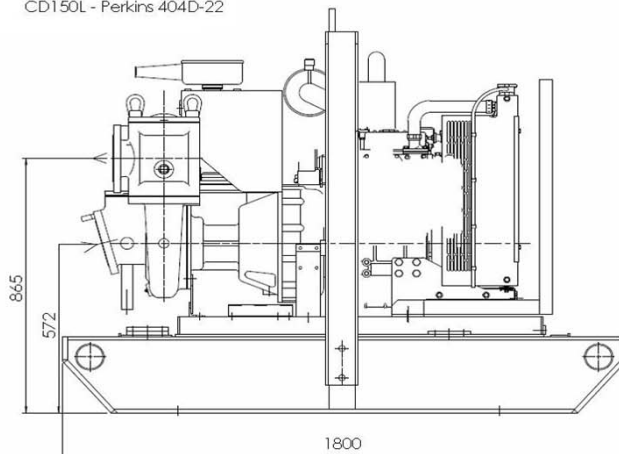
Fuel consumption @ 2200 rpm BEP 5 litres/hour

Weight: (Dry) 950 kg, (Wet) 1,017 kg

Dimensions: (L) 1,300 x (W) 680 x (H) 1,900 mm



CD150L - Perkins 404D-22



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Assessed to ISO 9001:2008  
Certificate N° 1027

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