

# CD75 Dri-Prime® Pump

The Godwin Dri-Prime CD75 pump is an extremely powerful yet compact pump with flow capabilities to 84 m<sup>3</sup>/hr and discharge heads to 28 metres.

The CD75 features the unique Godwin high pressure oil bath mechanical seal design. This allows for totally dry running for prolonged periods while automatically priming and repriming. Able to perform in the toughest conditions, the CD75 can handle solids up to 40 mm in diameter. This makes it extremely effective when handling solids, due to its recessed impeller. The powerful CD75 has proven itself a pump of choice when a light weight portable pump is needed for slurry dewatering applications.



## Features and Benefits

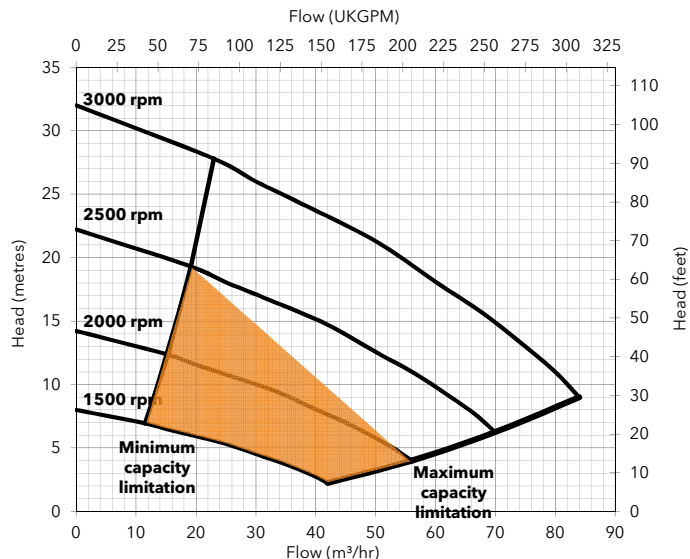
- Fully automatic priming from dry to 8.5 metres suction lift.
- Godwin Dri-Prime is a continuously operated Venturi air ejector priming device which requires no periodic adjustment or control.
- Extensive application flexibility. It will handle sewage, slurries and liquids with solids up to 40 mm in 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 aluminium construction (cast iron option available) with cast iron impeller.
- Also available in electric drive, bareshaft pumpend or highway trailer.
- Standard build engines; Yanmar L100 AE. Other engine options are available.

## Specifications

Suction connection	2" BSP [F] & 3" BSP [M] spigot
Delivery connection	2" BSP [F] & 3" BSP [M] spigot
Max capacity	84 m <sup>3</sup> /hr
Max Head	28 metres
Max Solids handling	40 mm
Max Impeller diameter	171 mm
Max operating temp	80 °C
Max working pressure	3.1 bar
Max suction pressure	1.5 bar
Max casing pressure	4.7 bar
Max operating speed	3000 rpm

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## Performance Curve



## Materials

Pump casing & suction cover	Silicon Aluminium BS1490 Grade LM25TF
Wearplates	N/A
Pump Shaft	SG Iron .
Impeller	Cast iron BS1452 Gr220
Non-return Valve body	Silicon Aluminium BS1490 Grade LM25TF
Mechanical Seal Faces	Silicon carbide vs silicon carbide

## Engine option 1

Price list ref - CD75-70-DTO-001

Yanmar, L100 AE, 4.5 kW @ 2500 rpm

Impeller diameter 171 mm

Pump Speed 2500 rpm

### Suction Lift Table

Total Suction Head (metres)	Total Delivery Head (metres)				
	2	8	10	12	18
	Output (m³/hr)				
3.0	54	37	31	25	12
4.6	41	32	26	19	7
6.1	32	27	20	12	-
7.6	27	20	14	6	-

Fuel capacity (Full) 5 litres, (Usable) 5 litres

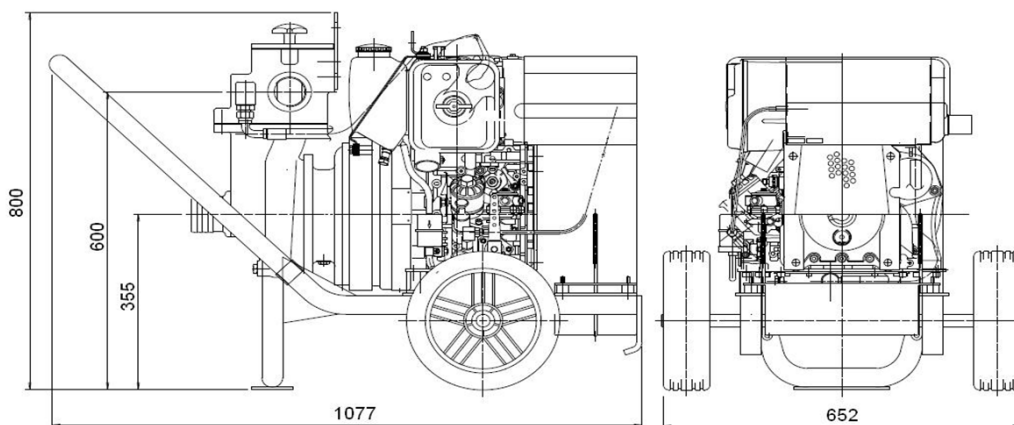
Fuel consumption @ 2500 rpm BEP 1 litres/hour

Weight: (Dry) 140 kg, (Wet) 150 kg

Dimensions: (L) 1,077 x (W) 652 x (H) 800 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.

CD75 YANMAR LE100 AE



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[www.godwinpumps.com](http://www.godwinpumps.com)