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Godwin CD100S Dri-Prime® Pump

The Godwin CD100S Dri-Prime pump is a versatile, general purpose dewatering pump designed for use in the industry's most challenging construction, municipal, industrial and emergency response applications. This rugged pump is ideally suited for tough dewatering jobs, and is the reliable choice for rental solutions.

The CD100S is a member of the Godwin S Series of Smart pumps, equipped with a new generation of Field Smart Technology (FST) for remote monitoring and control. In addition to improved hydraulic efficiency, greater fuel economy, and streamlined serviceability, the CD impeller is interchangeable with a Flygt N-Technology non-clog impeller, providing the flexibility to tackle stringy, modern wastewater applications with the same pump.

Specifications

Suction connection	4 in (100 mm) flange
Delivery connection	4 in (100 mm) flange
Max capacity	1,079 USGPM † (245 m^3/hr)
Max impeller diameter	10.0 in
Max solids handling	1 ¾ in (45 mm)
Max operating temp	176 °F * (80 °C)
Max working pressure	68 psi (4.7 bar)
Max suction pressure	58 psi (4.0 bar)
Max casing pressure	103 psi (7.1 bar)
Max operating speed	2200 rpm

* Please contact our office for applications in excess of 176°F (80 °C).
† Larger diameter pipes may be required for maximum flows.

Features and benefits

- Interchangeable impellers to tackle a full range of solids handling applications.
- Field Smart Technology (FST) allows the user to monitor & control the pump from anywhere in the world.
- New compressor belt tensioner reduces time to change and adjust belt to approximately 30 minutes.
- New sight glass and measuring stick added to monitor level and quality of mechanical seal oil.
- Improved hydraulic design reduces vibration, maximizes efficiency and fuel economy.
- Fully automatic priming from dry to 28 feet (8.5 meters).
- Venturi priming requires no adjustment or control.
- Available as open set or Sound Attenuated Enclosure.
- Standard build engine 3TNV88F (EPA Final Tier 4).
- Other engine options available.
- Optional environmentally friendly skid base contains all fluid spills.

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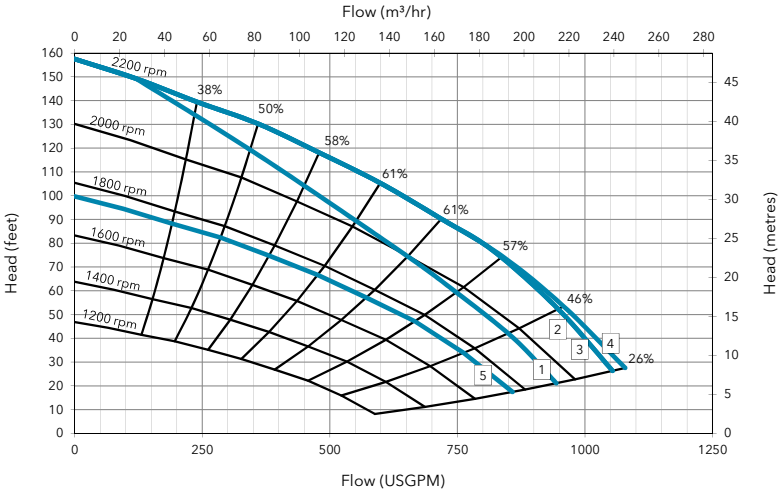
Performance curve

Pump curve is based on 0 ft dynamic suction lift.



Suction lift table 1800 rpm

Performance data provided in tables is based on water tests at sea level and 68°F ambient. All information is approximate and for general guidance only. Please contact the factory or office for further details.

Total suction Head (feet)	Total Delivery Head (feet)				
	13	26	39	52	66
	Output (USGPM)				
10	623	574	509	427	328
15	623	558	476	377	262
20	591	525	443	344	230
25	574	492	410	295	164

Open trailer

Fuel capacity 30 US Gal (114 Liters)
Weight dry 1,930 lb (875 kg)
Weight wet 2,150 lb (975 kg)
Dimensions L 102 in x W 54 in x H 70 in (L 2,591 mm x W 1,372 mm x H 1,778 mm)

Information provided above is based on the Yanmar 3TNV88F.

Sound attenuated enclosure

Noise @ 23 ft (7 m) 67 db(A)
Fuel capacity 80 US Gal (303 Liters)
Weight dry 2,670 lb (1,211 kg)
Weight wet 3,250 lb (1,474 kg)
Dimensions L 82 in x W 47 in x H 65 in (L 2,083 mm x W 1,194 mm x H 1,651 mm)

Information provided above is based on the Yanmar 3TNV88F.

Materials

Pump casing	Cast Iron BS EN 1561/EN-JL1030
Wearplates	Cast Iron BS EN 1561/EN-JL1030
Pump shaft	Carbon steel BS970:1991 817M40T
Impeller	Cast Steel BS3100 A5 Hardness to 200 HB Brinell
Mechanical seal faces	Silicon carbide Vs Silicon carbide

	Driver	Power	Energy Use 1800 RPM	Emissions Rating
1	Yanmar 3TNV88F	24 HP	1.0 US Gal/hr	EPA FT4
2	Yanmar 3TNV88C	35 HP	1.2 US Gal/hr	EPA FT4
3	Yanmar 3TNV88BDSA	36 HP	1.2 US Gal/hr	EPA iT4
4	Caterpillar C1.5T	40 HP	1.5 US Gal/hr	EPA iT4
5	Electric motor	20 HP	24.1 A	

Please contact the factory or office for further details. A typical picture of the pump is shown. All information is approximate and for general guidance only. Consult the factory for other driver options.

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