

Godwin CD150S Dri-Prime® Pump



The Godwin CD150S 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 CD150S 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 now 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	6 in (150 mm) flange
Delivery connection	6 in (150 mm) flange
Max capacity	2290 USGPM (520 m ³ /hr) †
Max impeller diameter	11.8 in (300 mm)
Max solids handling	3 in (75 mm)
Max operating temp	176 °F (80°C) *
Max working pressure	91 psi (6.3 bar)
Max suction pressure	58 psi (4 bar)
Max casing pressure	138 psi (9.5 bar)
Max operating speed	2200 rpm

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

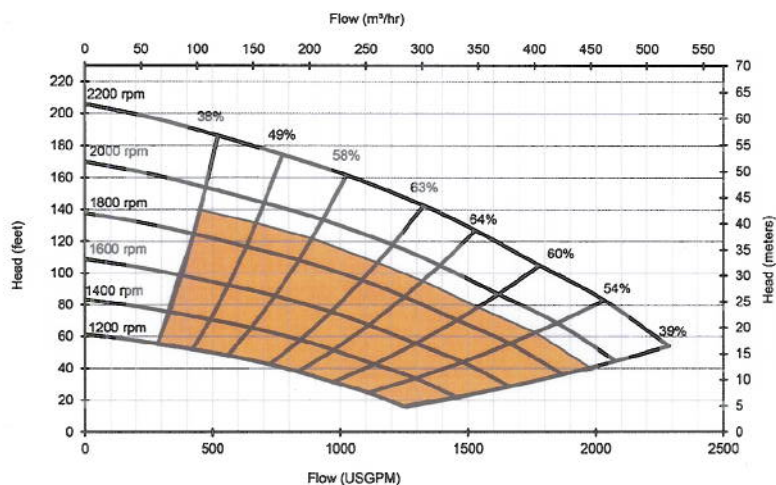
Features and benefits

- 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.
- Diesel Oxidative Catalyst (DOC) technology maximizes available power from diesel engine, and reduces maintenance and downtime.
- Fully automatic priming from dry to 28 feet (8.5 m).
- Venturi priming requires no adjustment or control.
- Available as open set or Sound Attenuated Enclosure.
- Standard build engine Isuzu 4LE2X (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 0ft (0m) dynamic suction lift.



Materials

Pump casing	Cast Iron BS EN 1561/EN-JL1030
Wearplates	Cast Iron BS1561:1997
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

Suction lift table 1800 rpm

Performance data provided in tables is based on water tests at sea level and 20°C (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)				
	30	43	56	69	82
	Output (USGPM)				
10	1852	1710	1520	1314	1140
15	1789	1646	1441	1251	1061
20	1741	1567	1361	1172	934
25	1678	1425	1251	1061	823

Open trailer

Fuel capacity 60 US Gal (227 liters)

Weight dry 2750 lb (1250 kg)

Weight wet 3170 lb (1440 kg)

Dimensions L 119 in x W 66 in x H 87 in

(L 3023 mm x W 1676 mm x H 2210 mm)

Sound attenuated enclosure

Noise @ 23 ft (7m) 66 db(A)

Fuel capacity 80 US Gal (303 liters)

Weight dry 3100 lb (1410 kg)

Weight wet 3680 lb (1670 kg)

Dimensions L 101 in x W 43 in x H 70 in

(L 2565 mm x W 1092 mm x H 1778 mm)

Engine

Engine Isuzu 4LE2X

Engine power 62 hp (46.2 kW) max engine rating

Emissions standard EPA Final Tier 4

Fuel consumption @ 1800 rpm 2.6 USGal/hr (10 l/hr)

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.

Mr. Michael Sturgill
Xylem Dewatering
202 Winston Creek Pkwy
Lakeland, FL 33810

Re: CD150S pump weight calculation
MR3415

Michael:

Please find the following weight calculation for the new CD150S on the GP60 trailer with the Isuzu 4LETX engine. Please note the calculation includes the weight of a full fuel tank:

Component	unit weight in Lbs	Description
pump	700	CD150S standard pump
engine	837	Isuzu 4LE2X engine
trailer	570	GP60 trailer
fuel tank	449	GP60 trailer
lift frame	105.3	GP60 trailer
fuel	420	60 gallons
misc	90	Coupling, battery, iso mounts, etc
total combined weight	3,171	
GP60 Trailer capacity		
axle weight	3500	
tongue weight	350	Design is for 10% of weight on hitch
total GVWR	3850	

The combined weight full of fuel is 3,170lbs. The trailer has a gross vehicle weight rating for 3,850lbs , with 3,500lbs on the axle allowed. The trailer has sufficient capacity for the pump and engine combination we are offering.

Please advise of any questions or concerns with data I have presented above. Thank you for your continued support as we transition our fleet to the new Xylem Cloud.

Sincerely,



Michael Ramos
Director of Engineering
Xylem Dewatering Solutions
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MJR/s

Cc: Todd Huffman

Engineering Specification

Prepared by: D. Bayley
Date: 07/2012

Model: N32-9186 GP60 EB Trailer w/LED Lights

General:	GVWR:	3,850 lb		
	GAWR:	3,500 lb		
	Rated Payload:	3,280 lb		
	Est. Empty Weight:	570 lb		
	Overall Dimensions:	118-7/8" x 65-7/8" x 28-5/8" (L x W x H)		
	Inside Bed Dimensions:	58" x 33-3/8" x 17-5/8" (L x W x H)		
	Tongue Jack:	(1) 2,000 lb		
	Stabilizer Jack:	(1) 2,000 lb at Rear		
	Hitch:	3" Zinc Plated Eye w/5 position Adjustable Gusset		
	Safety Chains:	(2) 1/4" Proof Coil x 30", 5/16" Clevis Slip Hook w/Latch		
Running Gear:	Axle(s):	3,500 lb Torflex, U35		
	Brakes:	Electric w/Battery Tester/Charger & Break-Away Switch		
	Tires:	Size: ST205/75R15	Ply: Load Range C	Type: Bias ST
	Wheels:	Size: 15 x 5	Bolt Circle: 5 on 4.5	Type: Black Spoked
Finish:	Preparation:	Iron Phosphate conversion treatment, chromium free treatment		
	Primer:	Epoxy Ester High Solids Primer		
	Paint:	Polyurethane Two Component High Solids Enamel (when applicable)		
Electrical:	Lighting & Reflectors:	LED Lights installed to Federal DOT Requirements		
	Wire Harness:	Type GPT jacketed harness system with color coded wires and molded plugs		
	Electrical Connection:	6-Prong Plug		
Accessories:	Mud Flap Logo:	Godwin Pumps		
Part Numbers:	Frame Weld:	95840		
	Axle:	88509		

Dimensions are for Loaded Conditions

Note: All specifications are for fully loaded conditions; specifications are subject to change due to the constantly improving products.

* Empty weight does not reflect the weight of fuel and any optional items.

