

Godwin BD150C Self-Priming Pump



The Godwin BD150C is an extremely powerful yet compact pump with flow capabilities to 592 m³/hr and discharge heads to 49 metres. This self-priming pump is designed for use in construction, municipal, industrial, and emergency response applications.

The pump is available in two priming options; venturi prime (compressed air driven) and vacuum prime, which can handle solids up to 45 mm in diameter making the pump suitable for wide variety of dewatering applications.

The BD150C offers improved hydraulic design for greater efficiency, fuel economy, and better serviceability, all in a more cost-effective package.

Specifications

Suction connection	150 mm (6 in) flange
Delivery connection	150 mm (6 in) flange
Max capacity	592 m ³ /hr (2,606 USGPM) ¹
Max impeller diameter	275 mm (10 4/5 in)
Max solids handling	45 mm (1.75 in)
Max operating temperature	80°C (176°F) ²
Max pressure	4.9 bar (71 psi)
Max suction pressure	4.0 bar (58 psi)
Max casing pressure	7.5 bar (108 psi)
Max operating speed	2000 rpm

¹ Larger diameter pipes may be required for maximum flows.

² Please contact our sales and product support for applications in excess of 80°C (176°F).

Features and benefits

- Fully automatic priming from dry to 8.5 meters suction lift.
- Two self-priming options - vacuum priming and venturi priming
- Extensive application flexibility. It will handle sewage, slurries and liquids with solids up to 45 mm in diameter.
- Dry-running with abrasion resistant silicon carbide faces.
- Control panel has key start-stop, ammeter, hour meter, and low oil pressure indicator.
- Available as open skidbase or 2-wheel site trailer or 4-wheel site trolley.
- Standard engines are compliant with regional emissions legislation.
- Optional fork lift pockets and four point lifting frame.
- Close coupled pump design eliminates tedious realignments.
- All cast iron construction (stainless steel construction option available) with cast steel impeller.
- Standard build engine; Kirloskar HA394 & HA694
- Electric motor and other engine options are available.

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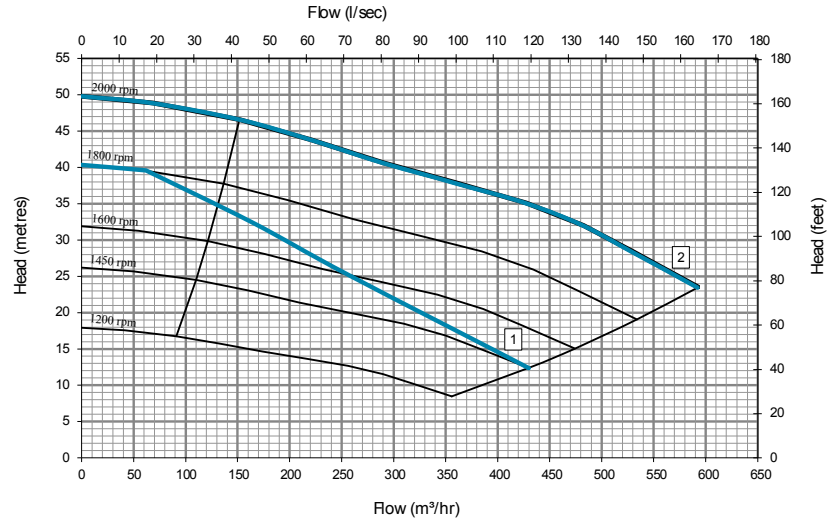
Suction lift table 1450 rpm

Performance data provided in tables is based on water tests at sea level and 25°C (77°F) ambient.

Total suction head (metre)	Total delivery head (metre)				
	8	12	17	21	-
	Output (m ³ /hr)				
3.0	507	436.5	333	229	-
4.0	496	426	324	221	-
5.0	484	413	310	207.5	-
7.0	471.5	399	294	191	-

Performance curve

Pump curve is based on 1 m (3.3 ft) dynamic suction lift.



Materials

Pump casing	Cast Iron BS EN 1561/EN-JL1030/FG 200 IS210:2009
Wearplates	Cast Iron BS EN 1561/EN-JL1030/FG 200 IS210:2009
Pump shaft	EN24T/IS 1570/4-88 40Ni6Cr4Mo3
Impeller	Cast Steel BS EN 10293:2005 G28Mn6
Non-return valve body	Cast Iron BS EN 1561/EN-JL1030/FG 200 IS210:2009
Mechanical seal faces	Silicon carbide Vs Silicon carbide

Driver options

Option	Driver	Power kW (hp)	Fuel / Energy Use 1500 rpm	Emissions Rating
1	Kirloskar HA394	23.6 (32)	6.8 L/hr	Tier 2
2	Kirloskar HA694	62.6 (85)	17 L/hr	Tier 2

Note: Electric motors and other engine options are available.

Priming

Option	Priming System Options	Air Handling Capacity
1	Venturi Prime	9.8 CFM
2	Vacuum Prime	60 CFM

The Vacuum prime is primary and the Venturi prime is an option.

Open skidbase

Information provided is based on the .

Driver	HA394	HA694
Fuel capacity	140 L (37 US Gal)	190 L (50 US Gal)
Weight (Dry)	990 kg (2,183 lb)	1,230 kg (2,712 lb)
Weight (Wet)	1,130 kg (2,491 lb)	1,420 kg (3,131 lb)
Dimensions (L x W x H)	1,912 mm x 1,220 mm x 1,405 mm (75 in x 48 in x 55 in)	2,478 mm x 1,220 mm x 1,370 mm (98 in x 48 in x 54 in)

Open trailer

	HA394	HA694
Weight	1,125 kg (2,480 lb)	1,420 kg (3,131 lb)
Dimensions (L x W x H)	1977 mm x 1570 mm x 1588 mm (78 in x 62 in x 63 in)	2530 mm x 1566 mm x 1653 mm (100 in x 62 in x 65 in)

