

CD150M Dri-Prime® Pumps

The Godwin Dri-Prime six-inch (150mm) CD150M automatic priming centrifugal pump is clearly the backbone of the temporary portable pumping industry. With solids-handling to 3" (75 mm) in diameter, maximum flows of 1700 GPM (385.9 m³/h) and 160' (48.8 m) of total dynamic head, and indefinite dry-running capabilities, the CD150M can be found in a wide variety of applications from dewatering to sewage bypassing. Mounted on a highway trailer, the CD150M is the most maneuverable and versatile portable pumping system available, making it a favorite of contractors, municipalities, industry and environmental companies across the country.



Features

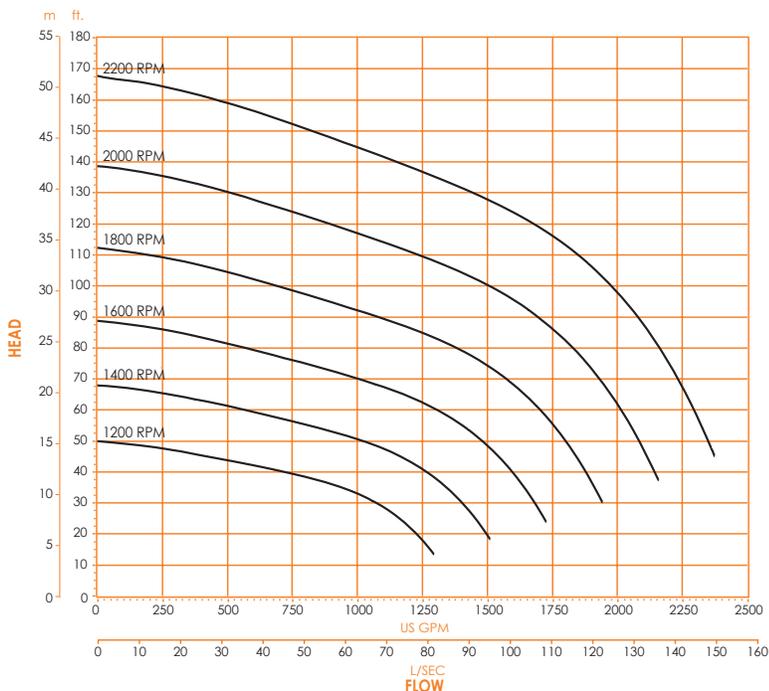
- Fully automatic priming from dry to 28' (8.5 m) of suction lift.
- Close coupled centrifugal pump with vacuum priming compressor mounted to a diesel engine. Also available in electric drive.
- Extensive application flexibility — will handle raw sewage, slurries and liquids with solids up to 3" (75 mm) in diameter.
- Dry running, oil bath mechanical seal with abrasion-resistant solid silicon carbide faces.
- Continuously operated Godwin venturi air ejector priming device featuring belt-driven air compressor requiring no form of periodic adjustment or control.
- All cast iron construction with cast chromium steel impeller.
- Standard John Deere 4045D-T2, John Deere 4045T-T3, or Caterpillar 3054C-NA engine. Also available with a variety of other engines including Hatz, Perkins and Deutz.

Specifications

Pipe Connections	6" (150 mm) ASA150#
Max. Capacity	1700 GPM (385.9 m ³ /h)
Max. Head	160' (48.8 m)
Solids Handling	3" (75 mm)
Impeller Diameter	11" (279 mm)
Max. Op. Temp.	+212°F (100°C)
Max. Working Press.	58.5 psi (4 BAR)
Max. Suction Press.	40 psi (2.8 BAR)
Max. Test Press.	88 psi (6.1 BAR)
Max. Op. Speed	2200 RPM
Fuel Tank Capacity	30* - 100 gal (113.5 - 378.5 l)
Fuel Consumption @ 2200 RPM (Full Load)	JD4045D-T2 - 3.74 GPH (0.014 m ³ /h) JD4045T-T3 - 4.07 GPH (0.015 m ³ /h) CAT3054C-NA - 4.3 GPH (0.016 m ³ /h)

* 60 gal. (227 l) standard equipment

Pump Curves



Materials

Pump Casing, Suction Cover, Separation Tank, Weaplates, Non-Return Valve Body, Ejector Housing	Close-grained cast iron
Impeller	Cast chromium steel, hardened to minimum Brinell 341 HB
Non-Return Valve - Ball & Seat	High nitrile rubber
Mechanical Seal Faces	Solid silicon carbide
Pump Shaft	1½ Nickel/chromium steel

Performance Table

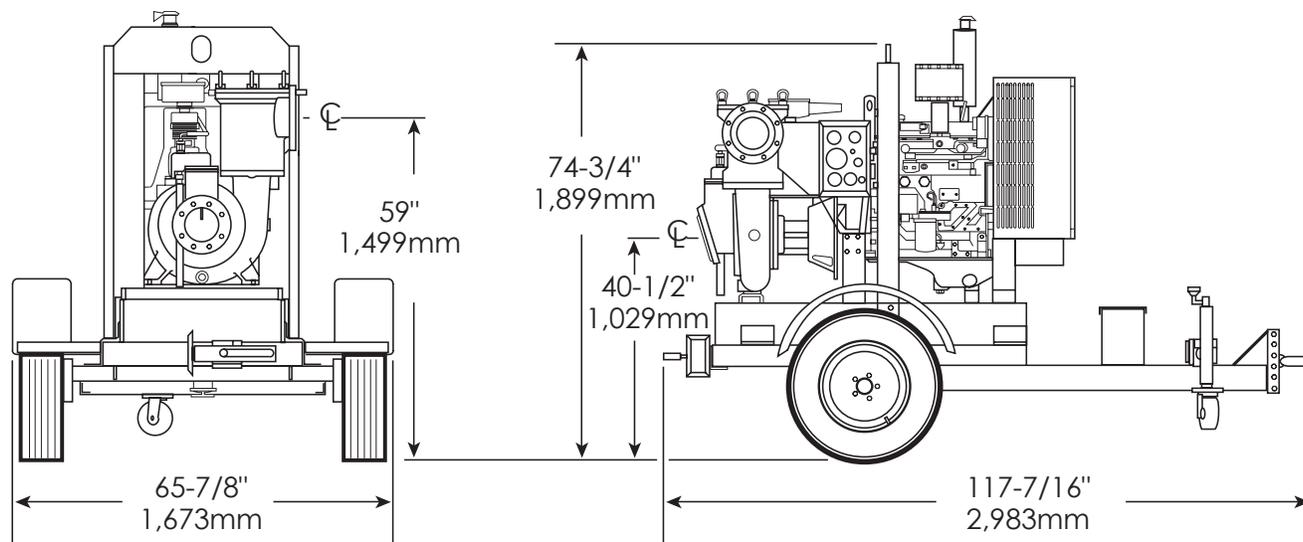
Diesel Set: JD4045D-T2, 68 HP (51 kW) @ 2200 RPM
 JD4045T-T3, 71 HP (53 kW) @ 2200 RPM
 CAT3054C-NA, 74 HP (55 kW) @ 2200 RPM
 Impeller Diameter: 11" (279 mm)

Total Suction Head - Feet	Total Delivery Head - Feet				
	10	20	30	40	50
	Output - GPM				
10	1800	1780	1750	1700	1680
15	1700	1650	1600	1520	1400
20	1670	1590	1500	1380	1240
25	1500	1400	1340	1240	1100

Performance data listed in table and curves based on water tests at sea level and 68°F (20°C). Maximum flows may require larger diameter pipes.

Drawings

CD150M - John Deere 4045D, GP60 Highway Trailer
 Dry weight - 3250 lbs. (1474 kg)



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