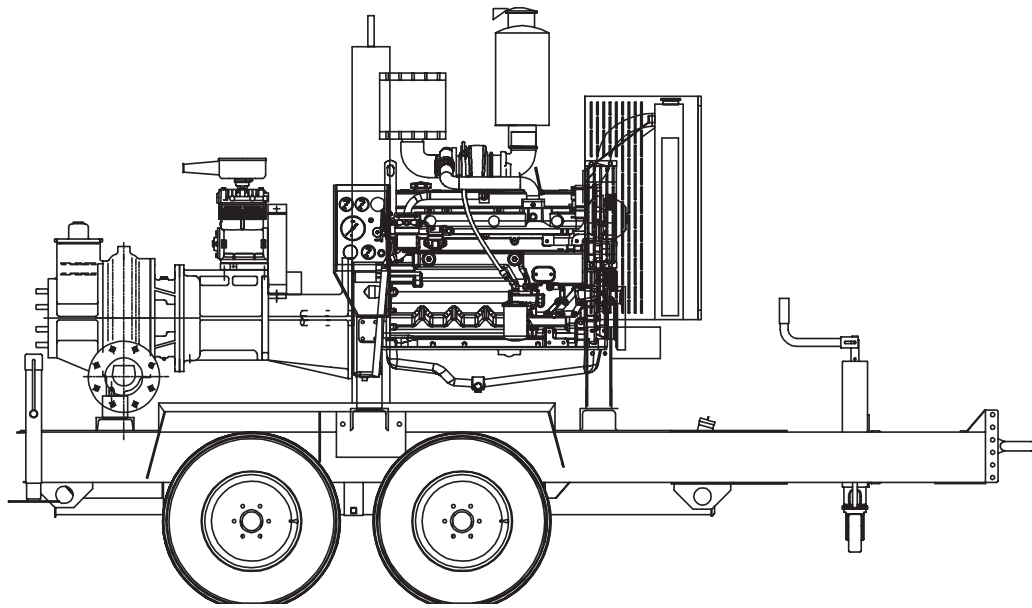


CD160M Dri-Prime® Pumps

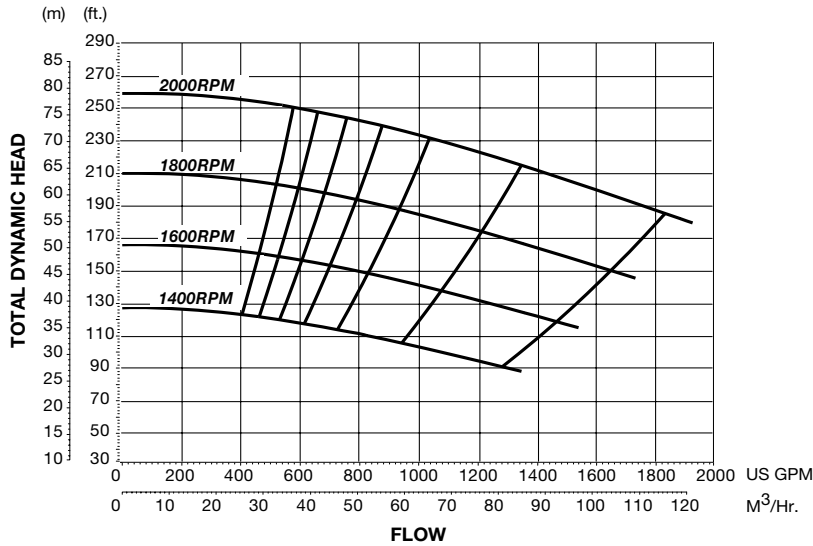


The CD160M automatic Godwin Dri-Prime 6" x 6" (150mm x 150mm) centrifugal pump is an extremely powerful yet compact pump with flow capabilities to 1900 gallons per minute (120 l/sec.) and discharge heads to 260 feet (79.2 M). In addition, the CD160M features the unique Godwin high pressure oil bath mechanical seal design that allows for totally dry running for indefinite periods of time while automatically priming and repriming. Able to perform in the toughest conditions, the CD160M can pass a solid to 3" (75mm) in diameter, making it a high pressure trash pump as well as a superior dewatering pump. The powerful CD160M has proven itself a pump of choice for mines, quarries, temporary fire pump systems and many other high pressure applications.

Features

- Close coupled automatic priming 6" x 6" (150mm x 150mm) centrifugal pump mounted to a diesel engine. Also available in electric drive or as bare shaft pumpend.
- All cast iron construction (stainless steel construction optional) with cast steel impeller.
- Extensive application flexibility — will handle liquids with solids up to 3" (75mm) in diameter.
- Continuously operated "Godwin" venturi air ejector priming device featuring belt-driven air compressor requiring no form of periodic adjustment or control.
- Solids handling swing type Non Return Valve with renewable flexible rubber seat.
- Dry running, high pressure, oil bath mechanical seal with abrasion resistant solid silicon carbide interfaces.
- Compact unit mounted on a skid base or highway trailer, both incorporating integral overnight running fuel tank.
- Simple maintenance — normally limited to checking engine and seal cavity oil levels.
- Standard engine, John Deere 6068T. Available with a variety of engines including Caterpillar, Cummins and Deutz.
- Low profile side discharge for easy pipe connection.

CD160M Performance Curve



Performance Table

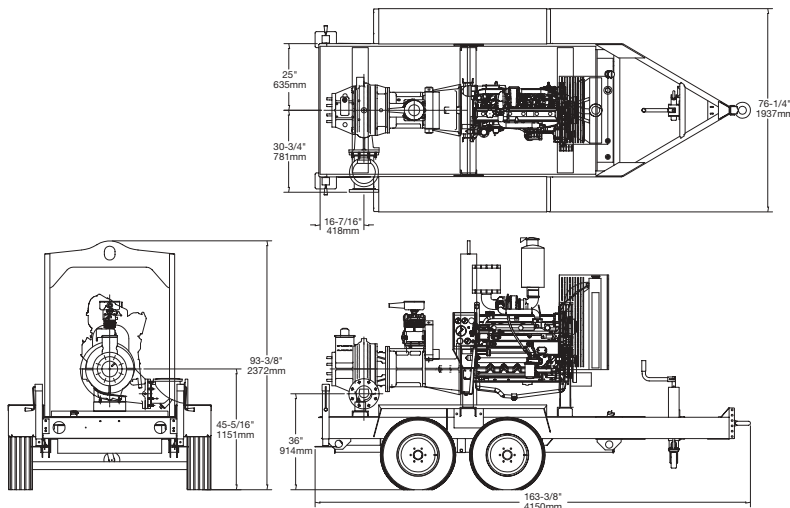
CD160M Diesel Set — John Deere 6068T, 147 hp (110 kw) @ 2200 rpm
Impeller Diameter — 14" (356 mm)

Total Suction Head — Feet	Total Delivery Head — Feet			
	150	175	200	225
10	1850	1780	1450	970
15	1810	1740	1320	860
20	1560	1450	1250	710
25	1370	1300	1190	580

Performance data listed in table and curves based on water tests at sea level and 68° F (20° C). Larger diameter pipes may be required for maximum flows.

Dimensions

CD160M — John Deere 6068T, Highway Trailer
Weight: 7,200 lbs. (3,266 kg.)



Specifications

- Maximum Operating Speed:** 2000 rpm
- Maximum Operating Temperature:** +176° F (80° C)
- Maximum Working Pressure:** 130 psi (9 BAR)
- Maximum Suction Pressure:** 72 psi (5 BAR)
- Maximum Casing Pressure:** 195 psi (13.5 BAR)
- Fuel Tank Capacity:** 150 gal. (568 liters)
- Fuel Consumption:** 6.3 gph (23.85 lph) @ 1800 rpm (full load)
- Pipe Connections:**
 - Suction: 6" (150mm) 150# flange
 - Discharge: 6" (150mm) 150# flange
- Solids Handling:** 3" (75mm) diameter

Materials

- Pump Casing and Suction Cover:** Cast Iron
- Wearplates:** Cast Iron hardened to Brinell 440 HB
- Impeller:** Cast Chromium Steel hardened to Brinell 220 HB
- Shaft:** 1-1/2% Nickel/Chromium steel
- Non Return Valve Flapper:** High nitrile rubber
- Mechanical Seal Faces:** Solid silicon carbide



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