

Pipeline Processing Equipment Catalogue: Construction Equipment

WATER LIFT PUMP

The Topline Dri-Prime CD200M Centrifugal pump offers flow rates to 2290 USGPM and has the capability of handling solids up to 3.0" in Diameter. (Larger diameter pipes may be required for maximum flows).

The CD200M is able to automatically prime to 28' of suction lift from dry. Automatic or manual starting/stopping available through integral mounted control panel or optional wireless-remote access.

Indefinite dry-running is no problem due to the unique Godwin liquid bath mechanical seal design. Solids handling, dry-running, and portability make the CD200M the perfect choice for dewatering and bypass applications.

Close-coupled centrifugal pump with Dri-Prime system coupled to a diesel engine or electric motor.



CD200M DRI-PRIME CENTRIFUGAL PUMP

SPECIFICATIONS:

PUMP SPECIFICATIONS

Suction connection: 8" 150# ANSI B16.5
 Delivery connection: 8" 150# ANSI B16.5
 Max capacity: 2290 USGPM
 Max solids handling: 3.0"
 Max impeller diameter: 11.0"
 Max operating temp: 176°F*
 Max pressure: 70 psi
 Max suction pressure: 58 psi
 Max casing pressure: 105 psi
 Max operating speed: 2200 rpm

MATERIALS

Pump casing & suction cover: Cast iron BS EN 1561 - 1997
 Mechanical seal: Silicon carbide face; Viton elastomers; Stainless steel body
 Wearplates: Cast iron BS EN 1561 - 1997
 Non-return valve body: Cast iron BS EN 1561 - 1997
 Pump Shaft: Carbon steel BS 970 – 1991 817M40T
 Impeller: Cast Steel BS3100 A5 Hardness to 200 HB Brinell

ENGINE SPECIFICATIONS

John Deere 4045TF290 (IT4 Flex), 75 HP @ 2200 rpm
 Impeller diameter: 11.0"
 Pump speed: 2200 rpm
 Fuel capacity: 60 US Gal Fuel capacity: 60 US Gal
 Max Fuel consumption @ 2200 rpm: 4.4 US Gal/hr
 Max Fuel consumption @ 1800 rpm: 3.8 US Gal/hr
 Weight (Dry): 3,070 lbs
 Weight (Wet): 3,490 lbs
 Dim.: (L) 119" x (W) 66" x (H) 77"

***Suction Lift Table**

Total Suction Head (feet)	Total Delivery Head (feet)				
	30	46	62	81	137
10	2291	2208	2107	1913	605
15	2208	2160	2063	1821	484
20	2083	2034	1986	1773	412
25	1937	1889	1816	1724	-

*Performance data provided in table is based on water tests at sea level and 20°C ambient.
 *All information is approximate and for general guidance only.