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Let's Solve Water

Godwin FP150 Dri-Prime® Pump



FM APPROVED

Floods are the single most costly natural hazard for businesses. Godwin FP Dri-Prime® Flood Protection Series pumps are specifically designed to help you confidently face the challenge of destructive floods.

The Godwin FP150 Dri-Prime pump is FM approved to help protect commercial and industrial properties from damage or loss due to flooding from severe weather events. (Approval Identification: 3054115).

The FP150 is primed automatically and its unique mechanical seal design allows the pump to run dry indefinitely. The pump removes water at up to 475 m³/hr, and is reliable over a wide range of conditions.

Specifications

Suction connection	150 mm 150# ANSI B16.5
Delivery connection	150 mm 150# ANSI B16.5
Max capacity	475 m³/hr †
Rated solids handling	64 mm
Max impeller diameter	280 mm
Max operating temp	80°C *
Rated pressure	3.0 bar
Max suction pressure	4.0 bar
Rated casing pressure	7.0 bar
Rated operating speed	1800 rpm

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

Features and benefits

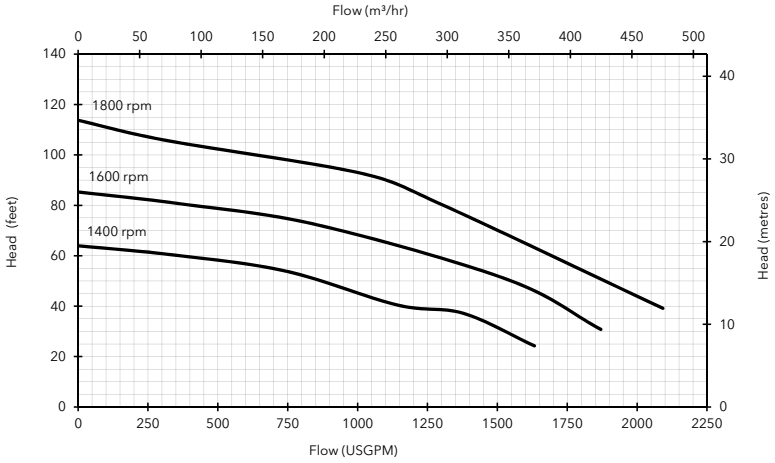
- Simple maintenance normally limited to checking fluid levels and filters.
- Dri-Prime (continuously operated Venturi air ejector priming device) requiring no periodic adjustment. Venturi has no moving parts for simple, reliable operation.
- Dry-running high pressure liquid bath mechanical seal with high abrasion resistant solid silicon carbide faces.
- Close-coupled centrifugal pump with Dri-Prime system coupled to a diesel engine or electric motor.
- All cast iron construction with cast steel impeller.
- Open set or sound attenuated enclosure available.
- Optional remote monitoring & control through Godwin Field Smart Technology.
- Standard engine Perkins 1104D-44TA

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Performance curve

Pump curve is based on 0m dynamic suction lift.



Materials

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

Suction lift table

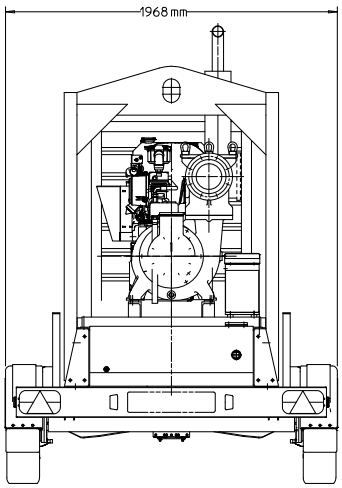
Speed	Suction Lift at 7.6 meters						
1400	11.2	13.8	15.8	17.3	-	-	TDH
	195.2	174.1	163.7	60.3	-	-	Flow
1600	10.8	14.8	20	22.4	-	-	TDH
	219.2	192.3	147	67.1	-	-	Flow
1800	11.7	17.8	24	28	-	-	TDH
	237.3	194.2	161.6	94.8	-	-	Flow

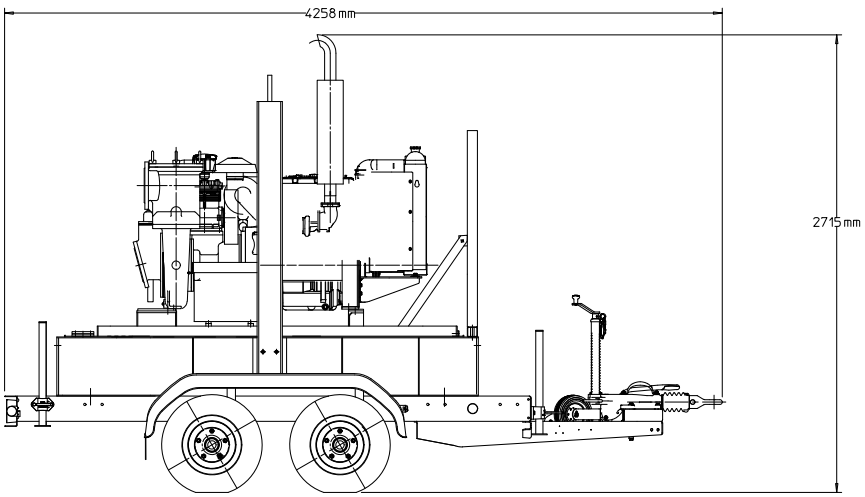
Performance data provided in tables is based on water tests at sea level and 20°C ambient. All information is approximate and for general guidance only. Please contact the factory or office for further details.

Engine

- Perkins 1104D-44TA, 61 kW
- Emissions EU Stage IIIA
- Impeller diameter 280 mm
- Pump speed 1800 rpm
- Fuel capacity: 393 liters (full) 315 liters (usable)
- Max Fuel consumption @ 1800 rpm: 18 liters/hr
- Max Fuel consumption @ 1600 rpm: 16 liters/hr
- Weight (Dry): 2,165 kg
- Weight (Wet): 2,500 kg
- Dim.: L 4,258 mm x W 1,968 mm x H 2,715 mm

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.





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