

Godwin SD150M Dri-Prime® Pump



The Godwin SD150M Dri-Prime pump is a versatile, general purpose dewatering pump designed for use in the industry's most challenging construction, municipal, industrial and emergency response applications.

The SD150M is a member of the Godwin Standard Dewatering Series - founded on the Godwin pedigree of quality and reliability, and engineered to meet your basic dewatering needs with mechanical efficiencies and durability. Ready to go at a moments notice with the iconic Godwin Dri-Prime and dry-running oil bath mechanical seal. The SD150M can be deployed in your toughest applications on an as needed basis.

Specifications

Suction connection	150 mm (6 in) flange
Delivery connection	150 mm (6 in) flange
Max capacity	485 m ³ /hr (2135 USGPM) ¹
Max impeller diameter	260 mm (10.2 in)
Max solids handling	75 mm (3 in)
Max operating temperature	80°C (176°F) ²
Max pressure	4.4 bar (60 psi)
Max suction pressure	4.0 bar (58 psi)
Max casing pressure	9.5 bar (138 psi)
Max operating speed	2,200 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

- Simple and routine maintenance to increase uptime.
- Godwin Dri-Prime is a continuously operated venturi air ejector priming device which requires no periodic adjustment or control.
- Extensive application flexibility. It will handle wastewater, slurries and liquids with solids up to 75 mm (3 in) in diameter.
- Dry-running high pressure oil bath mechanical seal, with high abrasion resistant silicon carbide faces.
- A close-coupled centrifugal pump with Godwin Dri-Prime system mounted to a diesel engine or electric drive.
- All cast iron construction with cast steel impeller.
- Regional configurations include: Diesel with Sound Attenuated Enclosure; or electric as Open Skidbase.
- Standard engines and motors are compliant with regional emissions and efficiency legislation.

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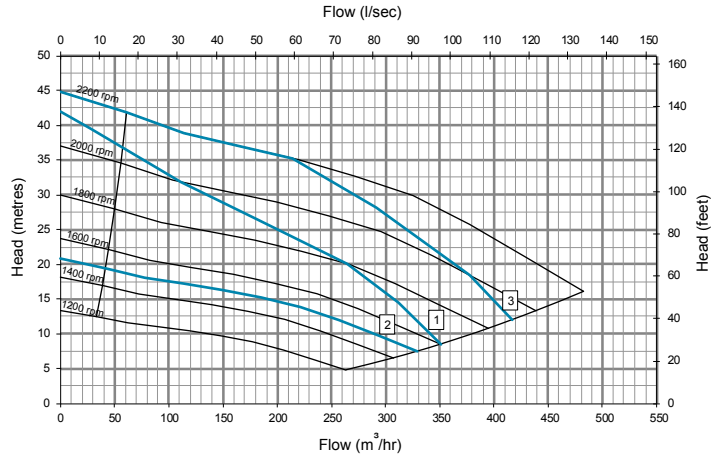
Suction lift table 1800 rpm

Performance data provided in tables is based on water tests at sea level and 20°C (68°F) ambient.

Total suction head (metre)	Total delivery head (metre)				
	10	12	15	17	20
	Output (m ³ /hr)				
3.0	340	305	260	230	160
4.6	315	280	235	195	120
6.1	240	225	170	125	95
7.6	130	110	90	85	-

Performance curve

Pump curve is based on 0 m (0 ft) dynamic suction lift.

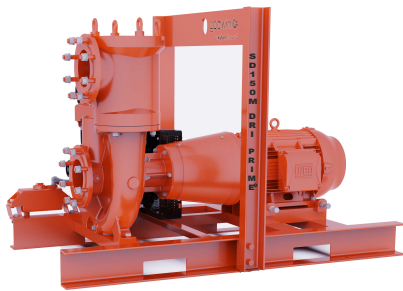


Materials

Pump casing	Cast Iron BS EN 1561:1997
Pump shaft	Carbon steel BS970:1991 817M40T
Impeller	Cast Steel BS3100 A5 Hardness to 200 HB Brinell
Mechanical seal faces	Silicon carbide face; Viton elastomers; Stainless steel body

Driver options

Option	Driver	Power kW (hp)	Fuel / Energy Use 1800 rpm	Emissions Rating
1	Perkins 403J-E17T	36 (48)	6.2 L/hr	EU Stage 5
2	Electric Motor, 4 Pole, 50 Hz	22 (30)	35 A	IE 3
3	Perkins 404D-22T	46 (62)	6.4 L/hr	EU Stage 3A



Open skidbase

Information provided is based on the IE3 22 kW electric motor.

Description	IE3 Electric Motor, 4 Pole, 50 Hz
Weight dry	660 kg (Approx.)
Weight wet	700 kg (Approx.)
Dimensions (L x W x H)	1,650 mm x 1,130 mm x 1,110 mm (65 in x 45 in x 44 in)



Sound attenuated enclosure

Information provided is based on the Perkins 403J-E17T option.

Noise @ 7 m (23 ft)	66 dBA
Fuel capacity	303 L (80 US Gal)
Weight dry	1400 kg (3085 lb)
Weight wet	1660 kg (3660 lb)
Dimensions (L x W x H)	2245 mm x 1190 mm x 1805 mm (88 in x 47 in x 71 in)