

HL150M Dri-Prime® Pump

The Godwin Dri-Prime HL150M pump offers flow rates to 1650 USGPM and has the capability of discharge pressures to 219 psi.

The HL150M 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.

High discharge pressure, dry-running, and portability make the HL150M the perfect choice for mining, industrial and emergency fire backup applications.



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 or control. Optional automatic on-off control available on the priming system.
- 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 (stainless steel construction option available) with cast steel impeller.
- Also available in a critically silenced unit which reduces noise levels to less than 70dBA at 30'.
- Standard engine Caterpillar C7 (T3 Flex). Also available with John Deere 6068HFC94 (IT4).

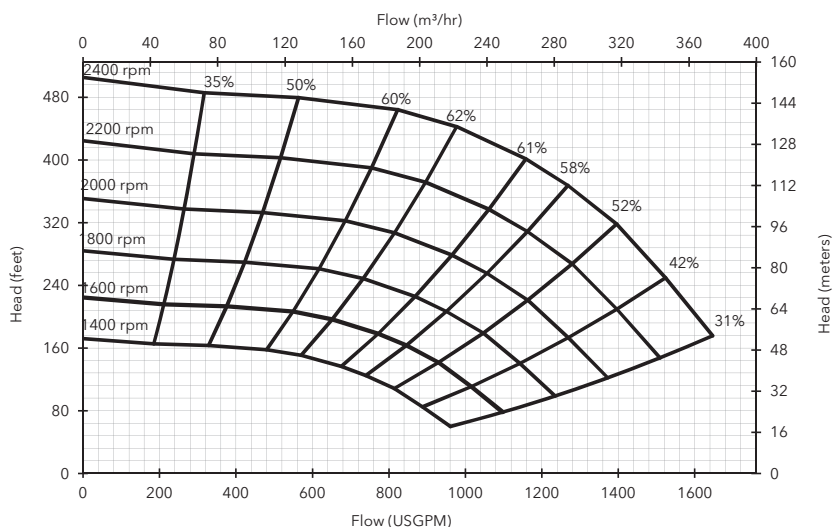
Specifications

Suction connection	6" 150# ANSI B16.5
Delivery connection	6" 150# ANSI B16.5
Max capacity	1650 USGPM †
Max solids handling	1.4"
Max Impeller diameter	15.2"
Max operating temp	176°F*
Max working pressure	219 psi
Max suction pressure	87 psi
Max casing pressure	329 psi
Max operating speed	2400 rpm

* Please contact our office for applications in excess of 176°F.

† Larger diameter pipes may be required for maximum flows.

Performance Curve



Engine option 1

Caterpillar C7 (T3 Flex), 225 HP @ 2200 rpm

Impeller diameter 15.2"

Pump speed 2200 rpm

Suction Lift Table

Total Suction Head (feet)	Total Delivery Head (feet)				
	152	201	250	299	348
	Output (USGPM)				
10	1507	1399	1292	1157	969
15	1480	1372	1265	1130	942
20	1345	1345	1238	1076	861
25	1022	1006	996	969	807

Fuel capacity: 180 US Gal

Max Fuel consumption @ 2200 rpm: 12.2 US Gal/hr

Max Fuel consumption @ 2000 rpm: 12.2 US Gal/hr

Weight (Dry): 6,110 lbs

Weight (Wet): 7,410 lbs

Dimensions: (L) 147" x (W) 53" x (H) 84"

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.

Materials

Pump casing & suction cover	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
Mechanical seal	Silicon carbide face; Viton elastomers; Stainless steel body

Engine option 2

John Deere 6068HFC94 (IT4), 225 HP @ 2400 rpm

Impeller diameter 15.2"

Pump speed 2400 rpm

Suction Lift Table

Total Suction Head (feet)	Total Delivery Head (feet)				
	183	241	299	358	416
	Output (USGPM)				
10	1644	1526	1409	1262	1057
15	1614	1497	1380	1233	1027
20	1468	1468	1350	1174	939
25	1115	1098	1086	1057	881

Fuel capacity: 180 US Gal

Max Fuel consumption @ 2400 rpm: 11.7 US Gal/hr

Max Fuel consumption @ 2000 rpm: 10.9 US Gal/hr

Weight (Dry): 6,150 lbs

Weight (Wet): 7,450 lbs

Dimensions: (L) 147" x (W) 53" x (H) 87"

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