

DPC300 Dri-Prime® Pump

The Godwin Dri-Prime DPC300 pump offers flow rates to 5080 USGPM and has the capability of handling solids up to 3.7" in diameter.

The DPC300 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.

Solids handling and portability make the DPC300 the perfect choice for dewatering and bypass 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. Optional compressor clutch available.
- Extensive application flexibility handling sewage, slurries, and liquids with solids up to 3.7" in diameter.
- Liquid lubricated mechanical seal with high abrasion resistant solid silicon carbide faces and limited dry-running capabilities.
- Pedestal-mounted 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 70 dBA at 30'.
- Standard engine John Deere 6068HF285 (T3 Flex). Also available with John Deere 6068HC93 (IT4).

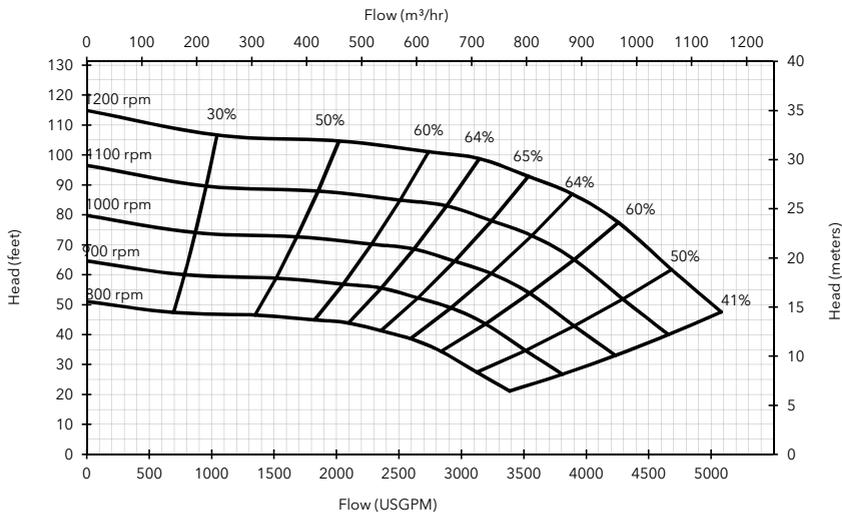
Specifications

Suction connection	12" 150# ANSI B16.5
Delivery connection	12" 150# ANSI B16.5
Max capacity	5080 USGPM †
Max solids handling	3.7"
Max impeller diameter	16.9"
Max operating temp	176°F*
Max pressure	49 psi
Max suction pressure	29 psi
Max casing pressure	74 psi
Max operating speed	1200 rpm

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

† Larger diameter pipes may be required for maximum flows.

Performance Curve



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 iron BS EN 1561 - 1997
Non-return valve body	Cast iron BS EN 1561 - 1997
Mechanical seal	Silicon carbide face; Viton elastomers; Stainless steel body

Engine option 1

John Deere 6068HF285 (T3 Flex), 156 HP @ 2400 rpm

Impeller diameter 16.9"

Pump speed 1200 rpm driven by 2.0:1 gearbox

Suction Lift Table

Total Suction Head (feet)	Total Delivery Head (feet)				
	31	45	58	72	86
10	5024	4714	4377	3937	3108
15	4921	4558	4144	3522	1036
20	4403	3885	3108	2072	777
25	2331	2072	1554	1036	-

Fuel capacity: 150 US Gal

Max Fuel consumption @ 2400 rpm: 8.7 US Gal/hr

Max Fuel consumption @ 2000 rpm: 8.0 US Gal/hr

Weight (Dry): 6,250 lbs

Weight (Wet): 7,330 lbs

Dim.: (L) 156" x (W) 55" x (H) 81"

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 option 2

John Deere 6068HC93 (IT4), 157 HP @ 2400 rpm

Impeller diameter 16.9"

Pump speed 1200 rpm driven by 2.0:1 gearbox

Suction Lift Table

Total Suction Head (feet)	Total Delivery Head (feet)				
	31	45	58	72	86
10	5024	4714	4377	3937	3108
15	4921	4558	4144	3522	1036
20	4403	3885	3108	2072	777
25	2331	2072	1554	1036	-

Fuel capacity: 150 US Gal

Max Fuel consumption @ 2400 rpm: 8.6 US Gal/hr

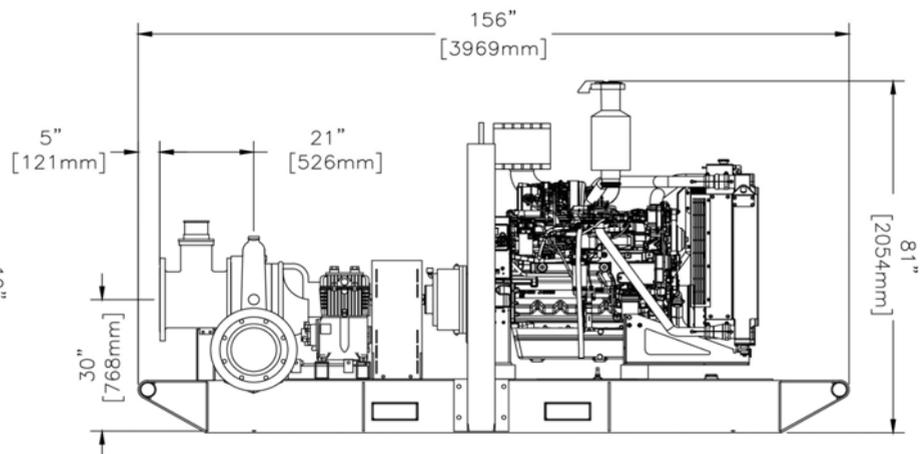
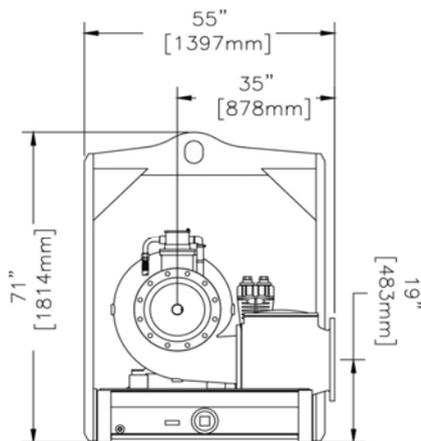
Max Fuel consumption @ 2000 rpm: 7.9 US Gal/hr

Weight (Dry): 6,550 lbs

Weight (Wet): 7,630 lbs

Dim.: (L) 156" x (W) 55" x (H) 81"

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.



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