

# NC350 Dri-Prime® Pump

The Godwin Dri-Prime NC350 pump is an extremely powerful yet compact pump with flow capabilities to 6,535 USGPM and discharge heads to 154 feet.

The NC350 features the unique patented N-technology with its innovative self-cleaning impeller. Godwin N-pumps deliver the highest total efficiency. It lowers your fuel bill and reduces unplanned maintenance costs.

This makes it an extremely effective pump, suitable for both sewage and clean water applications. The powerful NC350 has proven itself a pump of choice when pumping stringy material and general dewatering applications.



## Features and Benefits

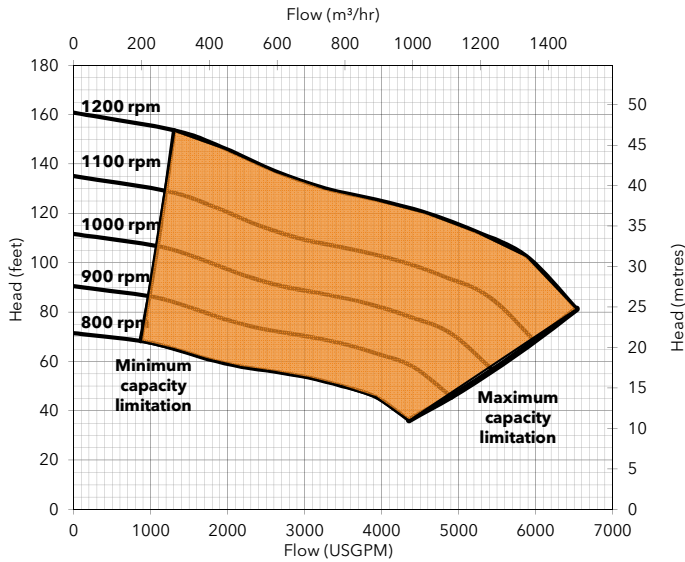
- Fully automatic priming from dry to 28 feet
- Godwin Dri-Prime is a continuously operated Venturi air ejector priming device which requires no periodic adjustment or control.
- Extensive application flexibility. It will handle sewage, slurries and liquids with solids up to 3 " in diameter.
- Dry-running 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 (stainless steel construction option available) with cast steel impeller.
- Standard build engines; Caterpillar C9. Other engine options are available.

## Specifications

Suction connection	400 mm (16" ANSI 16")
Delivery connection	400 mm (16" ANSI 16" )
Max capacity	6535 USGPM
Max Head	154 feet
Max Impeller diameter	18.7 "
Max operating temp	176 °F
Max working pressure	228.7 psi
Max suction pressure	58.0 psi
Max casing pressure	343.1 psi
Max operating speed	1200 rpm

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## Performance Curve



## Materials

Pump casing & suction cover	Cast iron BS EN 1561 - 1997
Wearplates	Front - Hard Iron BS EN 12513:2000
Pump Shaft	Carbon steel BS 970:1991 817M40T
Impeller	Hard Iron BS EN 12513:2000
Non-return Valve body	Cast iron BS EN 1561 - 1997
Mechanical Seal Faces	Silicon carbide vs silicon carbide

## Engine option 1

Price list ref - TBC

Caterpillar, C9, 274.7 HP @ 2000 rpm

Impeller diameter 19 "

Pump Speed 1200 rpm

### Suction Lift Table

Total Suction Head (feet)	Total Delivery Head (feet)				
	10	20	33	40	42
Output (USGPM)					
9.8	6604	6164	5063	-	-
15.1	6164	5724	4403	2201	-
20.0	5283	4843	3522	1761	1101
24.9	3170	3170	2994	1321	440

Fuel capacity (Full) 193 US Gallons, (Usable) 157 US Gallons

Fuel consumption @ 2000 rpm BEP 12 US Gallons/hour

Weight: (Dry) 11,464 lbs, (Wet) 13,228 lbs

Dimensions: (L) 3,700 x (W) 1,750 x (H) 2,200 mm

Performance data provided in tables is based on water tests at sea level and 68°F ambient. All information is approximate and for general guidance only. Please contact the factory or office for further details.



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Assessed to ISO 9001:2008  
Certificate N° 1027

Reference number : 95-1809-3000  
Date of issue : 09 January 2014  
Issue : 1

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