

# NC150 Dri-Prime® Pump

The Godwin Dri-Prime NC150 pump is an extremely powerful yet compact pump with flow capabilities to 1770 USGPM.

The NC150 features the unique patented Flygt N-technology with its innovative self-cleaning impeller.

NC Series pumps are engineered to deliver sustained high efficiency resulting in lower energy and fuel costs while reducing unplanned downtime.

This makes the NC150 a best-in-class portable pump suitable for both sewage and clean water applications.



## Features and Benefits

- Dri-Prime (continuously operated Venturi air ejector priming device) requiring no periodic adjustment. Optional compressor clutch available.
- Incorporates N-technology for non-clog performance, sustained high efficiency and long-term energy/fuel savings.
- Hard-Iron™ (EN12513:2000) impeller and insert ring.
- Dry-running, high-pressure oil bath mechanical seal with highly abrasion resistant silicon carbide faces.
- Close-coupled centrifugal pump mounted to a diesel engine or electric motor for easy pumpend or engine/motor changeover in the field.
- Also available in a critically silenced unit which reduces noise levels to less than 70 dBA at 30'.
- Standard engine John Deere 4045TF290 (IT4 Flex). Also available with Caterpillar C4.4M-T (Export Only).

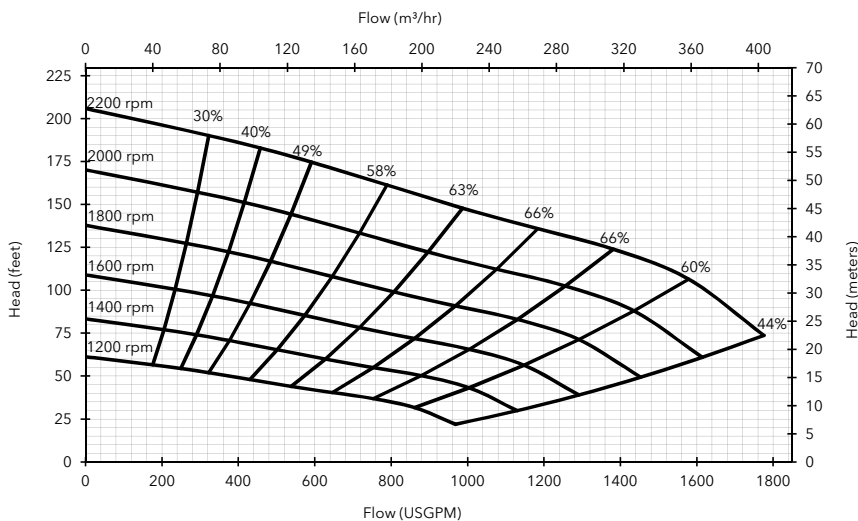
## Specifications

Suction connection	6" 150# ANSI B16.5
Delivery connection	6" 150# ANSI B16.5
Max capacity	1770 USGPM †
Max Impeller diameter	11.3"
Max operating temp	176°F*
Max working pressure	90 psi
Max suction pressure	58 psi
Max casing pressure	135 psi
Max operating speed	2200 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

John Deere, 4045TF290 (IT4 Flex), 75 HP @ 2200 rpm

Impeller diameter 11"

Pump speed 2200 rpm

#### Suction Lift Table

Total Suction Head (feet)	Total Delivery Head (feet)				
	64	115	151	167	187
	Output (USGPM)				
10	1574	1211	581	363	48
15	1308	1114	533	242	-
20	1090	969	339	-	-
25	848	678	242	-	-

Fuel capacity: 60 US Gal

Max Fuel consumption @ 2200 rpm: 4.4 US Gal/hr

Max Fuel consumption @ 1800 rpm: 3.8 US Gal/hr

Weight (Dry): 3,080 lbs

Weight (Wet): 3,500 lbs

Dimensions: (L) 119" x (W) 66" x (H) 77"

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 BS1561:1997
Wearplates	Front - Hard Iron EN12513:2000 Rear - Cast Iron BS1561:1997 0
Pump Shaft	Carbon steel BS970:1991 817M40T
Impeller	Hard Iron EN12513:2000
Non-return Valve body	Cast iron BS1561:1997
Mechanical Seal	Silicon carbide face; Viton elastomers; Stainless steel body

### Engine option 2

Caterpillar, C4.4M-T (Export Only), 78 HP @ 2200 rpm

Impeller diameter 11"

Pump speed 2200 rpm

#### Suction Lift Table

Total Suction Head (feet)	Total Delivery Head (feet)				
	66	117	153	169	189
	Output (USGPM)				
10	1574	1211	581	363	48
15	1308	1114	533	242	-
20	1090	969	339	-	-
25	848	678	242	-	-

Fuel capacity: 60 US Gal

Max Fuel consumption @ 2200 rpm: 4.6 US Gal/hr

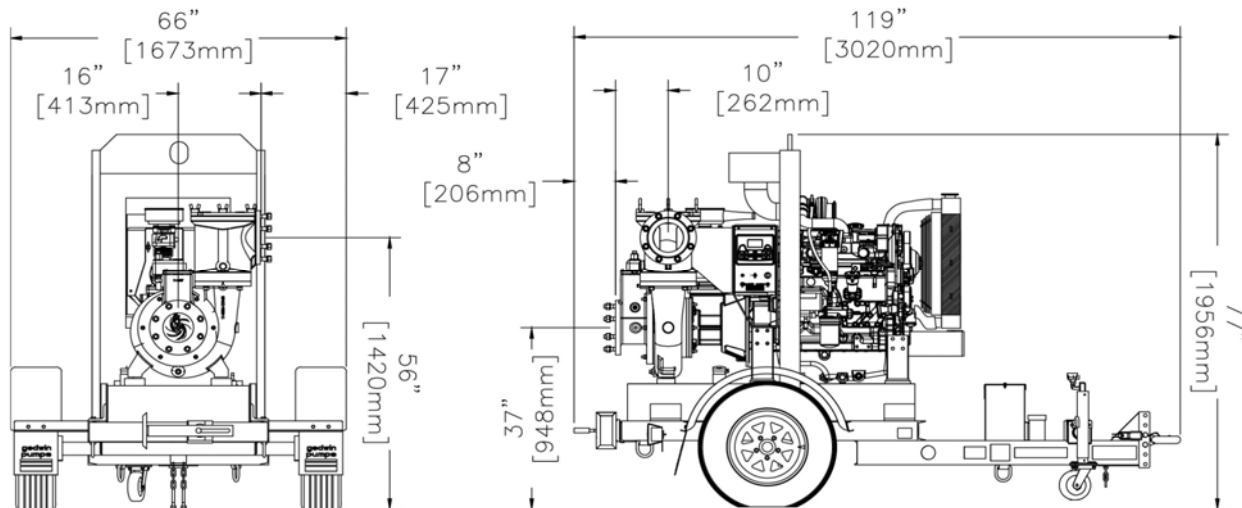
Max Fuel consumption @ 1800 rpm: 4.2 US Gal/hr

Weight (Dry): 3,080 lbs

Weight (Wet): 3,500 lbs

Dimensions: (L) 119" x (W) 66" x (H) 77"

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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