

# NC80 Dri-Prime® Pump

The Godwin Dri-Prime NC80 pump is an extremely powerful yet compact pump with flow capabilities to 520 USGPM.

The NC80 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 NC80 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 Yanmar 3TNV70 (IT4 Flex).

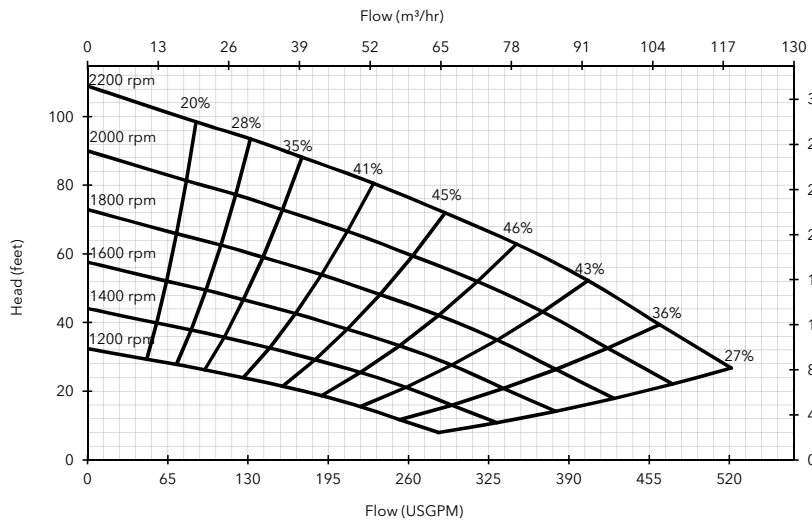
## Specifications

Suction connection	4" 150# ANSI B16.5
Delivery connection	3" 150# ANSI B16.5
Max capacity	520 USGPM †
Max Impeller diameter	8.4"
Max operating temp	176°F*
Max working pressure	48 psi
Max suction pressure	41 psi
Max casing pressure	72 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



## 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 1

Yanmar, 3TNV70 (IT4 Flex), 15 HP @ 2200 rpm

Impeller diameter 8"

Pump speed 2200 rpm

### Suction Lift Table

Total Suction Head (feet)	Total Delivery Head (feet)				
	20	52	69	79	92
	Output (USGPM)				
10	506	357	247	176	66
15	484	330	198	141	-
20	458	286	176	110	-
25	396	264	132	88	-

Fuel capacity: 30 US Gal

Max Fuel consumption @ 2200 rpm: 0.9 US Gal/hr

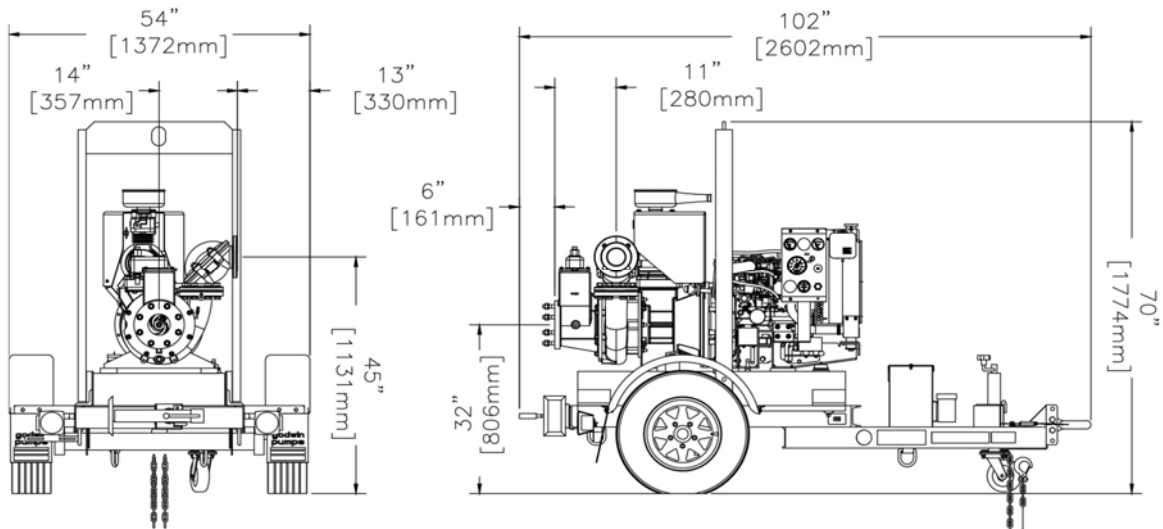
Max Fuel consumption @ 1400 rpm: 0.5 US Gal/hr

Weight (Dry): 1,720 lbs

Weight (Wet): 1,940 lbs

Dimensions: (L) 102" x (W) 54" x (H) 70"

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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Reference number : 95-1808-3000  
Date of issue : February 26, 2014  
Issue : 7

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