

# NC100

The Godwin Dri-Prime NC100 is an extremely powerful yet compact pump with flow capabilities up to 1,013 GPM (230 m³/h) and discharge heads up to 150 ft (46 m).

The NC100 features patented Flygt N-technology with an innovative self-cleaning hydraulic.

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

This makes the NC100 a best-in-class portable pump suitable for tough sewage and sludge applications.



## Features

- Dri-Prime automatic self-priming system that primes and re-primed from dry up to 28 ft (8.5 m) without operator assistance or foot valve control
- Incorporates Flygt N-technology for non-clog performance, sustained high efficiency and long-term energy/fuel savings
- Hard-Iron™ (60 HRC) 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

## Options

- Diesel engine or electric motor
- Highway trailer or skid-mounted
- Quiet enclosure

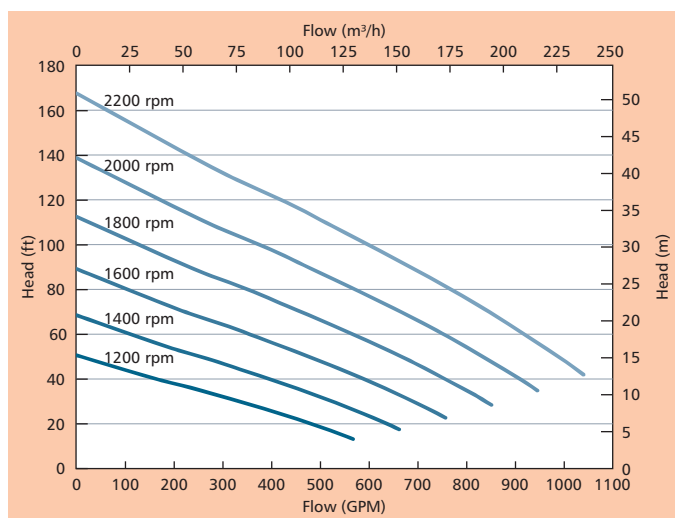
## Specifications

Suction connection	4"	100 mm*
Delivery connection	4"	100 mm*
Max. capacity	1,013 GPM	230 m³/h
Max. head	150 ft	46 m
Max. impeller diameter	10"	256 mm
Max. operating temp.	176°F	80°C
Max. working pressure	79.8 psi	5.5 bar
Max. suction pressure	58.0 psi	4.0 bar
Max. casing pressure	119.7 psi	8.3 bar
Max. operating speed	2200 rpm	

\*BS10 table 'D'

**Available as Godwin DBS™ (Dri-Prime Backup System) for pump station backup.**

## Performance curve



## Materials

Pump casing and suction cover	Cast iron BS1452:1990 grade 220
Rear wearplate	Cast iron BS1452:1990 grade 220
Pump shaft	Carbon steel BS970-3:1991 080M40
Impeller and insert ring	Hard-Iron™ (60 HRC)
Non-return valve body	Cast iron BS1452 grade 220
Mechanical seal faces	Silicon carbide vs. silicon carbide

## Engine

Yanmar, 3TNV88.....23.8 HP @ 2000 rpm

Impeller diameter..... 10" (256 mm)

*Other engine options available on request*

### Suction lift table

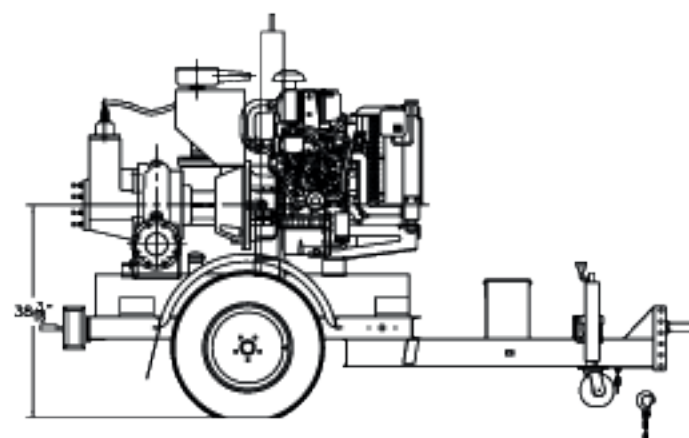
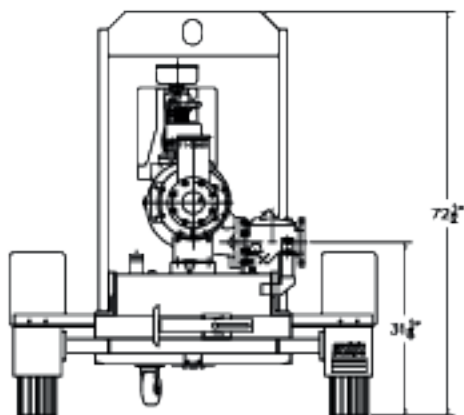
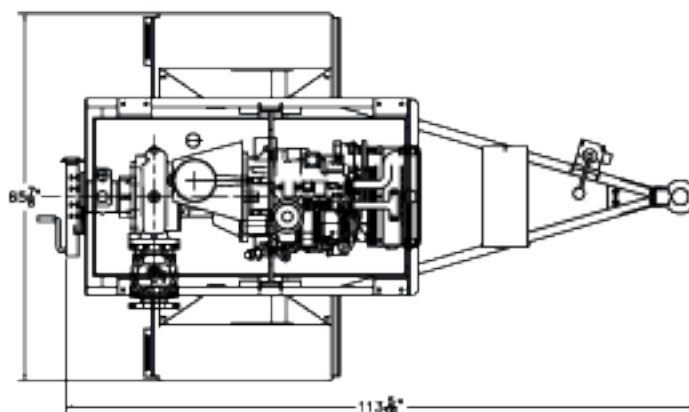
Total suction head (ft)	Total delivery head (ft)				
	20	49	73	89	105
Output (GPM)					
9.8	978	685	538	342	—
15.1	929	685	489	245	—
20.0	832	636	391	245	—
24.9	734	636	294	—	—

Fuel capacity..... (Full) 60 US Gal, (Usable) 60 US Gal

Fuel consumption.....(@ 2000 rpm) BEP 1 US Gal/hour

Weight.....(Dry) 1,459 lbs, (Wet) 1,944 lbs

Dimensions.....(L) 113" × (W) 66" × (H) 73"



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

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