

# NC80 Dri-Prime® Hush-Pac

The Godwin Dri-Prime NC80 pump is an extremely powerful yet compact pump with flow capabilities to 118 m<sup>3</sup>/hr and discharge heads to 30 metres.

The NC80 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 NC80 has proven itself a pump of choice when pumping stringy material and general dewatering applications.



## Features and Benefits

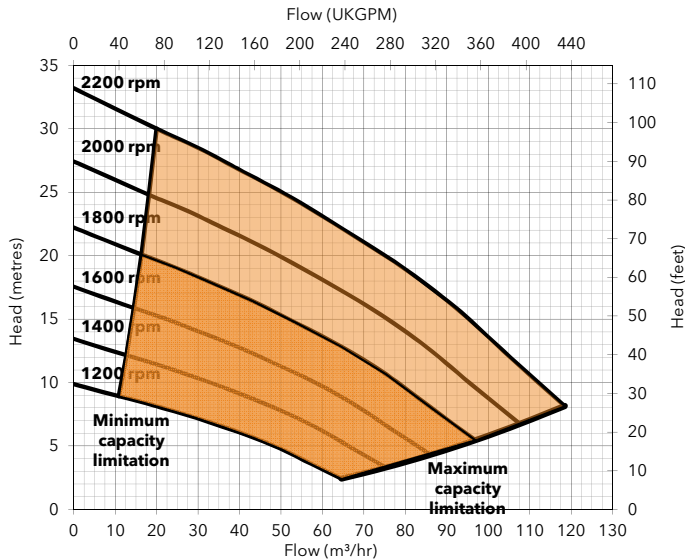
- Fully automatic priming from dry to 8.5 metres suction lift.
- Godwin Dri-Prime is a continuously operated Venturi air ejector priming device which requires no periodic adjustment or control.
- Dry-running high pressure oil bath mechanical seal, with high abrasion resistant silicon carbide faces.
- A Close-coupled centrifugal pump with Godwin Dri-Prime system mounted to a diesel engine or electric drive.
- Incorporates high efficiency N-Pump technology.
- Also available as a openset, bareshaft pumpend or highway trailer.
- Standard build engines; Yanmar 3TNV76-CS, Kubota Z602. Other engine options are available.

## Specifications

Suction connection	100 mm (4" BS10 Table 'D')
Delivery connection	80 mm (3" BS10 Table 'D')
Max capacity	118 m <sup>3</sup> /hr
Max Head	30 metres
Max Impeller diameter	214 mm
Max operating temp	80 °C
Max working pressure	3.3 bar
Max suction pressure	2.8 bar
Max casing pressure	4.9 bar
Max operating speed	2200 rpm

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## Performance Curve



### Engine option 1

Price list ref - NC80-01-DBH-002

Yanmar, 3TNV76-CS, 13.0 kW @ 2200 rpm

Impeller diameter 214 mm

Pump Speed 2200 rpm

#### Suction Lift Table

Total Suction Head (metres)	Total Delivery Head (metres)				
	6	16	21	24	28
	Output (m³/hr)				
3.0	119	81	56	40	15
4.6	115	75	45	32	-
6.1	110	65	40	25	-
7.6	90	60	30	20	-

Fuel capacity (Full) 180 litres, (Usable) 162 litres

Fuel consumption @ 2200 rpm BEP 4 litres/hour

Weight: (Dry) 965 kg, (Wet) 1,190 kg

Dimensions: (L) 2,190 x (W) 1,050 x (H) 1,500 mm

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.

#### Av Sound Pressure Rating (dba)

Running Speed (rpm)	Distance		
	1m	3m	7m
1800	67	64	62
2000	68	65	63
2200	70	69	65

## 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 2

Price list ref - NC80-01-DBH-001

Kubota, Z602, 7.5 kW @ 1800 rpm

Impeller diameter 214 mm

Pump Speed 1800 rpm

#### Suction Lift Table

Total Suction Head (metres)	Total Delivery Head (metres)				
	2	9	12	14	17
	Output (m³/hr)				
3.0	97	66	46	33	12
4.6	94	61	37	26	-
6.1	90	53	33	20	-
7.6	74	49	25	16	-

Fuel capacity (Full) 180 litres, (Usable) 162 litres

Fuel consumption @ 1800 rpm BEP 2 litres/hour

Weight: (Dry) 935 kg, (Wet) 1,160 kg

Dimensions: (L) 2,190 x (W) 1,050 x (H) 1,500 mm

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.

#### Av Sound Pressure Rating (dba)

Running Speed (rpm)	Distance		
	1m	3m	7m
1800	67	64	62



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Assessed to ISO 9001:2008  
Certificate N° 1027

Reference number : 95-1808-1099  
Date of issue : 09 January 2013  
Issue : 5

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