

NC80 Dri-Prime® Pump

The Godwin Dri-Prime NC80 pump is an extremely powerful yet compact pump with flow capabilities to 118 m³/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

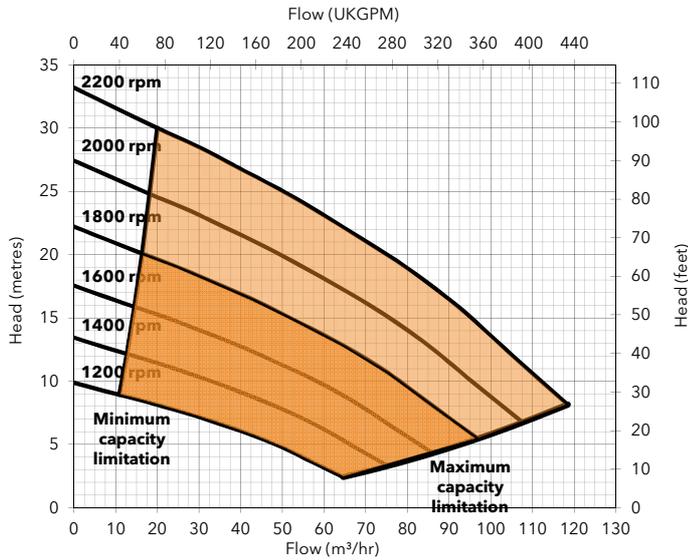
- Fully automatic priming from dry to 8.5 metres suction lift.
- Godwin Dri-Prime is a continuously operated Venturi air ejector priming device which requires no periodic adjustment or control.
- Dry-running high pressure oil bath mechanical seal, with high abrasion resistant silicon carbide faces.
- 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 Hush-Pac, 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 ³ /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

godwin 
a xylem brand

Performance Curve



Engine option 1

Price list ref - NC80-01-DBO-001

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) 72 litres, (Usable) 58 litres

Fuel consumption @ 2200 rpm BEP 4 litres/hour

Weight: (Dry) 885 kg, (Wet) 945 kg

Dimensions: (L) 1,300 x (W) 680 x (H) 1,900 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

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-DBO-002

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	-

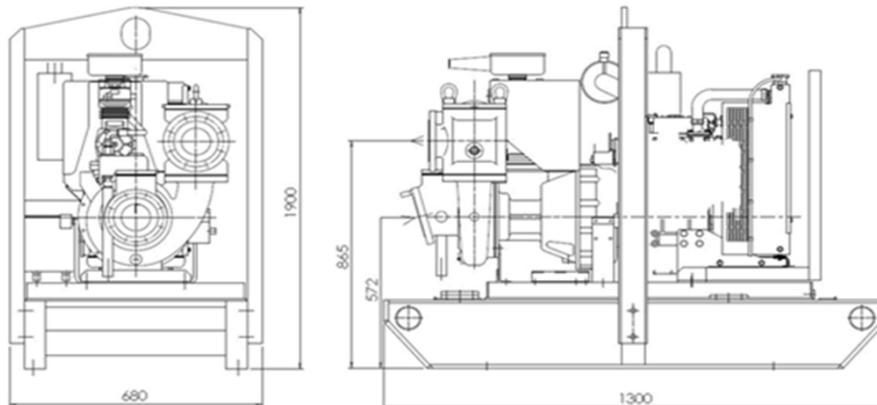
Fuel capacity (Full) 72 litres, (Usable) 58 litres

Fuel consumption @ 1800 rpm BEP 2 litres/hour

Weight: (Dry) 885 kg, (Wet) 945 kg

Dimensions: (L) 1,300 x (W) 680 x (H) 1,900 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 further details.



Xylem Dewatering Solutions UK Ltd
Quenington, Cirencester
Gloucestershire GL7 5BX, England
Tel: 01285 750271 Fax: 01285 750352



Assessed to ISO 9001:2008
Certificate N° 1027

Reference number : 95-1808-1000
Date of issue : 01 March 2013
Issue : 8

www.godwinpumps.com