

NC100 Dri-Prime® Pump

The Godwin Dri-Prime NC100 pump is an extremely powerful yet compact pump with flow capabilities to 242 m³/hr and discharge heads to 45 metres.

The NC100 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 NC100 has proven itself a pump of choice when pumping stringy material and general dewatering applications.



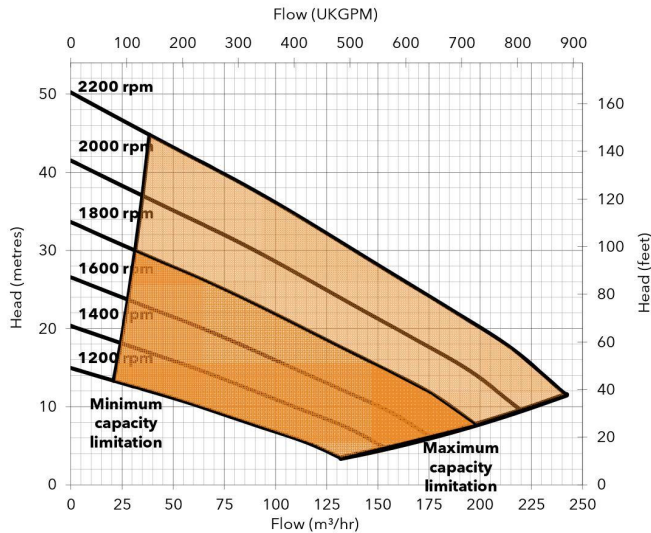
Features and Benefits

- 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; Perkins 404D-22, Perkins 403D-15. Other engine options are available.

Specifications

Suction connection	100 mm (4" BS10 Table 'D')
Delivery connection	100 mm (4" BS10 Table 'D')
Max capacity	242 m ³ /hr
Max Head	45 metres
Max Impeller diameter	256 mm
Max operating temp	80 °C
Max working pressure	4.9 bar
Max suction pressure	4.0 bar
Max casing pressure	7.4 bar
Max operating speed	2200 rpm

Performance Curve



Engine option 1

Price list ref - NC100-01-DBO-002

Perkins, 404D-22, 27.2 kW @ 2200 rpm

Impeller diameter 256 mm

Pump Speed 2200 rpm

Suction Lift Table

Total Suction Head (metres)	Total Delivery Head (metres)				
	10	20	30	45	40
Output (m³/hr)					
3.0	230	180	120	20	-
4.6	210	170	110	15	-
6.1	185	160	100	5	-
7.6	142	136	90	-	-

Fuel capacity (Full) 170 litres, (Usable) 140 litres

Fuel consumption @ 2200 rpm BEP 7 litres/hour

Weight: (Dry) 994 kg, (Wet) 1,139 kg

Dimensions: (L) 1,800 x (W) 784 x (H) 1,510 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.

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 - NC100-01-DBO-001

Perkins, 403D-15, 15.1 kW @ 1800 rpm

Impeller diameter 256 mm

Pump Speed 1800 rpm

Suction Lift Table

Total Suction Head (metres)	Total Delivery Head (metres)				
	5	11	18	28	25
Output (m³/hr)					
3.0	188	147	98	16	-
4.6	172	139	90	12	-
6.1	151	131	82	4	-
7.6	116	111	74	-	-

Fuel capacity (Full) 170 litres, (Usable) 140 litres

Fuel consumption @ 1800 rpm BEP 3 litres/hour

Weight: (Dry) 900 kg, (Wet) 1,043 kg

Dimensions: (L) 1,800 x (W) 1,000 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 guidance only. Please contact the factory or office for further details.

NC100 Perkins 404-22

