

Heidra 100NC Pump

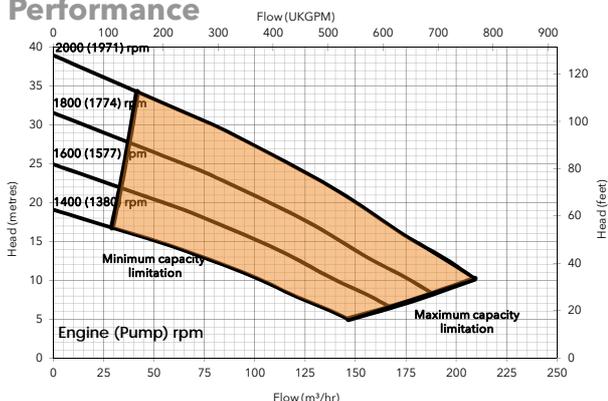
The Godwin Heidra 100NC hydraulic submersible pump is a compact self-contained pumping unit featuring a diesel driven power pack and hydraulic pump end. With variable speed diesel engine power, the Heidra 100NC can meet a variety of flow and head requirements up to 209 m³/hr and total dynamic head requirements up to 34 metres.

It also has dry running capabilities, a hard iron I impeller, providing a rugged dewatering / solids handling, hydraulic submersible pump ready to go anywhere.

Features

- 100 mm bauer discharge connection. The quick release lever allows pipe work to be connected & disconnected very easily.
- Double mechanical seal in its own clean oil bath allows for indefinite dry running. Inboard seal: silicon carbide. Outboard seal: carbon or ceramic.
- Gear motor connections are standard two-bolt SAE flange & shaft. Which allows easy connection to plug directly into bearing bracket.
- Incorporates high efficiency N-Pump technology.
- Safe pump end no risk of electric shock or explosion.
- N Pump impeller with replaceable wearplates provide a non clog solution to pumping.
- Alternative options available e.g. Highway trailer, Site trolley.
- Godwin Power Pack GHPU15 as standard.

Performance



Reference number : 95-1224-1000
 Date of issue : 11 March 2014
 Issue : 2



TLPN: HEIDRA100NC-01-001

Specifications

Suction connection	100 mm with strainer
Delivery connection	4" BSP (F)
Max capacity	209 m ³ /hr
Max Head	34 metres
Max operating speed	2000 rpm
Max Impeller diameter	256 mm
Max operating temperature	60 °C *
Max pressure	3.8 bar
Max suction pressure	4.0 bar
Max casing pressure	5.7 bar
Max Solids handling	-

* Please contact our office for applications in excess of maximum temperature.

Materials

Pump casing & suction cover	Cast iron CI BS EN1561/EN-JL1030 (220)
Wearplates	Rear - Cast iron BS1452 Gr220 Front - Hard Iron
Pump Shaft	Carbon Steel BS 970-3:1991 080M40
Impeller	Hard Iron BS EN 12513:2000
Mechanical Seal Face	Silicon Carbide vs Silicon Carbide
Suction Strainer & Lifting Bracket	Fabrication Mild Steel tube and plate.

Pump end - dimensions

Length	520 mm
Width	402 mm
Height	745 mm
Dry Weight	140 kg

Hydraulic Drive data

Hydraulic Drive pressure	250 bar
Pump speed	2000 rpm
Hydraulic motor	Gear type
Hydraulic motor displacement	28 cc/rev
Hydraulic Flow	50 l/min

Please contact the factory or office for further details.
 A typical picture of the pump is shown.
 All information is approximate and for general guidance only.

Godwin Hydraulic Power Pack

Power Pack - GHPU15 404D-22

General data

Engine: Perkins 404D-22 (25 kW @ 2000 rpm)	
Engine speed	2000 rpm
Hydraulic Pump	Gear type
Hydraulic pump displacement	29 cc/rev
Output flow	50 l/min
Hydraulic reservoir capacity	80 litres

Open set configuration

TLPN: GHPU15-DBO-001



Dimensions

Length	1800 mm
Width	1000 mm
Height	1900 mm
Wet weight	1,275 kg
Fuel tank capacity (Full)	170 litres

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Maximum hose lengths

Engine (rpm)	1400	1600	1800	2000
Max Length (mtrs)	60	50	40	30

Hydraulic Hose

Feed/Return	19 mm (¾") BSP Quick Disconnect & 19 mm (¾") NB pipe.
Bleed Line	10 mm (¾") BSP Quick Disconnect & 16 mm (½") NB pipe.

Hush-Pac configuration

TLPN: GHPU15-DBH-001



Dimensions

Length	2190 mm
Width	1045 mm
Height	1500 mm
Wet weight	1,400 kg
Fuel tank capacity (Full)	180 litres

Acoustic information

Engine	Speed (rpm)	Average Sound Pressure rating (dB(A))		
		1 m	3 m	7 m
Hushpac	1200	71	66	63
	1800	74	69	64
	2000	76	70	65

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Assessed to ISO
9001:2008

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a xylem brand