

# Heidra 150NC Pump

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WATER TREATMENT SOLUTIONS

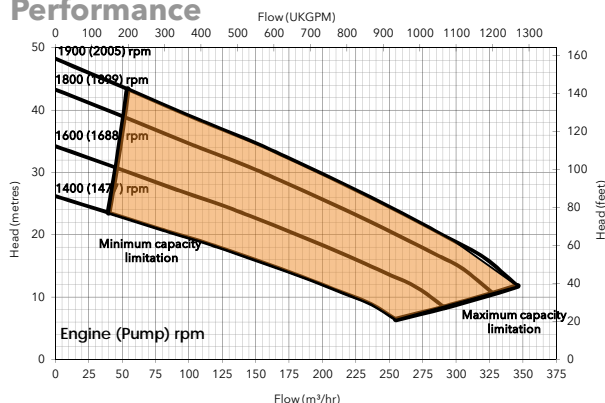
The Godwin Heidra 150NC hydraulic submersible pump is a compact self-contained pumping unit featuring a diesel driven power pack and hydraulic pump end. With variable speed diesel engine power, the Heidra 150NC can meet a variety of flow and head requirements up to 346 m<sup>3</sup>/hr and total dynamic head requirements up to 43 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

- 150 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 GHPU30 as standard.

## Performance



TLPN: HEIDRA150NC-01-001

## Specifications

Suction connection	150 mm with strainer
Delivery connection	6" BSP (F)
Max capacity	346 m <sup>3</sup> /hr
Max Head	43 metres
Max operating speed	1900 rpm
Max Impeller diameter	286 mm
Max operating temperature	60 °C *
Max pressure	4.7 bar
Max suction pressure	4.0 bar
Max casing pressure	7.1 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	458 mm
Width	579 mm
Height	855 mm
Dry Weight	175 kg

## Hydraulic Drive data

Hydraulic Drive pressure	250 bar
Pump speed	2000 rpm
Hydraulic motor	Gear type
Hydraulic motor displacement	52 cc/rev
Hydraulic Flow	100 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.

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# Godwin Hydraulic Power Pack

## Power Pack - GHPU30 1104D-44T

### General data

Engine: Perkins 1104D-44T (55 kW @ 2000 rpm)	
Engine speed	2000 rpm
Hydraulic Pump	Gear type
Hydraulic pump displacement	59 cc/rev
Output flow	100 l/min
Hydraulic reservoir capacity	230 litres

### Open set configuration

TLPN: GHPU30-DBO-001



### Dimensions

Length	2500 mm
Width	1300 mm
Height	2135 mm
Wet weight	2,050 kg
Fuel tank capacity (Full)	390 litres

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info@lenntech.com Tel. +31-152-610-900  
www.lenntech.com Fax. +31-152-616-289

### Maximum hose lengths

Engine (rpm)	1400	1600	1800	2000
Max Length (mtrs)	60	50	45	30

### Hydraulic Hose

Feed/Return	25 mm (1") BSP Quick Disconnect & 25 mm (1") NB pipe.
Bleed Line	13 mm (½") BSP Quick Disconnect & 13 mm (½") NB pipe.

### Hush-Pac configuration

TLPN: GHPU30-DBH-001



### Dimensions

Length	2890 mm
Width	1303 mm
Height	2100 mm
Wet weight	2,225 kg
Fuel tank capacity (Full)	340 litres

### Acoustic information

Engine	Speed (rpm)	Average Sound Pressure rating (dB(A))		
		1 m	3 m	7 m
Hushpac	1200	71	64	64
	1500	75	68	65
	2200	80	79	77

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Assessed to ISO  
9001:2008

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