

# Heidra 250 Pump

**LENNTECH**  
WATER TREATMENT SOLUTIONS

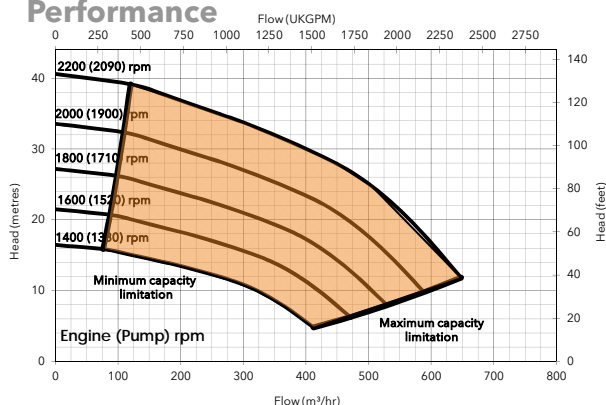
The Godwin Heidra 250 hydraulic submersible pump is a compact self-contained pumping unit featuring a diesel driven power pack and hydraulic pump end. With variable speed diesel engine power, the Heidra 250 can meet a variety of flow and head requirements up to 648 m<sup>3</sup>/hr and total dynamic head requirements up to 39 metres.

It has the ability to handle solids up to 75 mm in diameter. It also has dry running capabilities, a cast steel impeller, providing a rugged dewatering / solids handling, hydraulic submersible pump ready to go anywhere.

## Features

- Bearings are independent from the hydraulic gear motor - pump loads in no way affect gear motor performance.
- 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 SAE flange & shaft. Which allows easy connection to plug directly into bearing bracket.
- Open solid handling impellers with replaceable wearplates.
- Standard impeller is designed for general pumping, slurries and sludges.
- Safe pump end no risk of electric shock or explosion.
- Alternative powerpack options available e.g. Highway trailer, Site trolley. Electric motor drive option also available.
- Godwin Power Pack GHPU50 as standard.

## Performance



TLPN: HS250-01-001

## Specifications

Suction connection	250 mm with strainer
Delivery connection	250 mm (10" BS10 Table 'D')
Max capacity	648 m <sup>3</sup> /hr
Max Head	39 metres
Max operating speed	2200 rpm
Max Impeller diameter	290 mm
Max operating temperature	60 °C *
Max pressure	4.0 bar
Max suction pressure	1.5 bar
Max casing pressure	6.0 bar
Max Solids handling	75 mm

\* 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	Cast iron CI BS EN1561/EN-JL1030 (220)
Pump Shaft	Carbon Steel 080M40
Impeller	Cast Steel EN10293/A5
Mechanical Seal Face	Silicon Carbide vs Silicon Carbide
Suction Strainer & Lifting Bracket	Fabrication Mild Steel tube and plate.

## Pump end - dimensions

Length	756 mm
Width	610 mm
Height	1310 mm
Dry Weight	400 kg

## Hydraulic Drive data

Hydraulic Drive pressure	250 bar
Pump speed	2000 rpm
Hydraulic motor	Piston type
Hydraulic motor displacement	100 cc/rev
Hydraulic Flow	190 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 - GHPU50 1106D-E66TA (129)

### General data

Engine: Perkins 1106D-E66TA (129) (107 kW @ 2000 rpm)	
Engine speed	2000 rpm
Hydraulic Pump	Piston type
Hydraulic pump displacement	100 cc/rev
Output flow	190 l/min
Hydraulic reservoir capacity	250 litres

### Open set configuration

TLPN: GHPU50-DBO-001



### Dimensions

Length	2950 mm
Width	1300 mm
Height	1900 mm
Wet weight	2,750 kg
Fuel tank capacity (Full)	480 litres

### Maximum hose lengths

Engine (rpm)	1400	1600	1800	2000
Max Length (mtrs)	45	40	35	30

### Hydraulic Hose

Feed/Return 32 mm (1¼") Quick Disconnect.

Bleed Line 19 mm (¾") Quick Disconnect.

### Hush-Pac configuration

TLPN: GHPU50-DBH-001



### Dimensions

Length	3350 mm
Width	1300 mm
Height	1887 mm
Wet weight	3,200 kg
Fuel tank capacity (Full)	324 litres

### Acoustic information

Engine	Speed (rpm)	Average Sound Pressure rating (dB(A))		
		1 m	3 m	7 m
Hushpac	1400	73	67	66
	2000	77	71	68
	2200	79	78	76

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Let's Solve Water



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