

Heidra 250 Pump

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 m³/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.



TLPN: HS250-01-001

Specifications

Suction connection	250 mm with strainer
Delivery connection	250 mm (10" BS10 Table 'D')
Max capacity	648 m ³ /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.

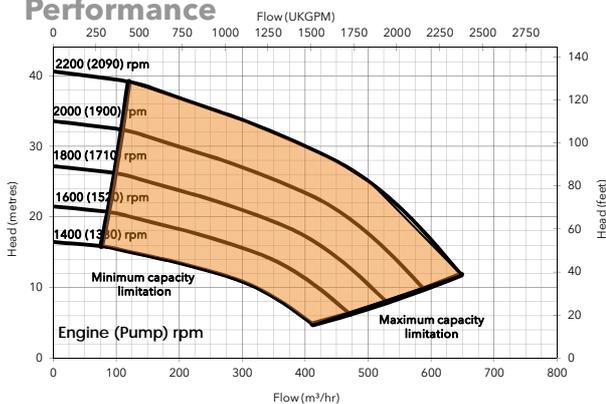
Pump end - dimensions

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

Performance



Reference number : 95-1213-1000
 Date of issue : 25 February 2014
 Issue : 4

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 - 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

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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 (dbA)		
		1 m	3 m	7 m
Hushpac	1400	73	67	66
	2000	77	71	68
	2200	79	78	76

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