

Heidra 200 SG Pump

The Godwin Heidra 200 SG 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 200 SG can meet a variety of flow and head requirements up to 518 m³/hr and total dynamic head requirements up to 24 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 the bearing bracket to plug directly together.
- Open solid handling impellers with replaceable wearplates.
- The SG (Slurry Gate) pump is designed specifically for handling slurries & sludges in addition to general pumping.
- 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 GHPU30 as standard.



TLPN: HS200SG-01-002

Specifications

Suction connection	200 mm with strainer
Delivery connection	200 mm (8" BS10 Table 'D')
Max capacity	518 m ³ /hr
Max Head	24 metres
Max operating speed	1800 rpm
Max Impeller diameter	290 mm
Max operating temperature	60 °C *
Max pressure	2.5 bar
Max suction pressure	1.5 bar
Max casing pressure	3.8 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 BS 3100:1991 Grade BW2.
Mechanical Seal Face	Silicon Carbide vs Silicon Carbide
Suction Strainer & Lifting Bracket	Fabrication Mild Steel tube and plate.

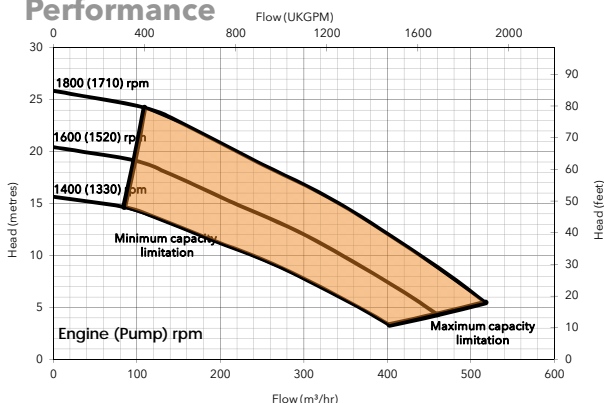
Pump end - dimensions

Length	1000 mm
Width	750 mm
Height	1600 mm
Dry Weight	435 kg

Hydraulic Drive data

Maximum Hydraulic Drive pressure	250 bar
Pump speed	1710 rpm
Hydraulic motor	Gear type
Hydraulic motor displacement	59 cc/rev
Hydraulic Flow	100 l/min

Performance



Reference number : 95-1221-1000
 Date of issue : 22 September 2014
 Issue : 2

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 - GHPU30/SG01 1104D-44T

General data

Engine: Perkins 1104D-44T (54 kW @ 1800 rpm)	
Engine speed	1800 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: GHPU30SG-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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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.
Cylinder Line	6mm (1/4") Quick Disconnect

Hush-Pac configuration

TLPN: GHPU50SG-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
	1800	76	69	66
	2000	77	76	74

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