

# Heidra 150V SG Pump

The Godwin Heidra 150V 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 150V SG can meet a variety of flow and head requirements up to 407 m<sup>3</sup>/hr and total dynamic head requirements up to 18 metres.

It has the ability to handle solids up to 125 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

- Fully recessed vortex impeller will handle solids up to 125 mm in diameter.
- 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.
- The Vortex impeller design provides extremely generous solids handling capabilities.
- 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: HS150VSG-01-001

## Specifications

Suction connection	150 mm with strainer
Delivery connection	6" BSP (F)
Max capacity	407 m <sup>3</sup> /hr
Max Head	18 metres
Max operating speed	2000 rpm
Max Impeller diameter	280 mm
Max operating temperature	60 °C *
Max pressure	2.0 bar
Max suction pressure	2.0 bar
Max casing pressure	3.0 bar
Max Solids handling	125 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.

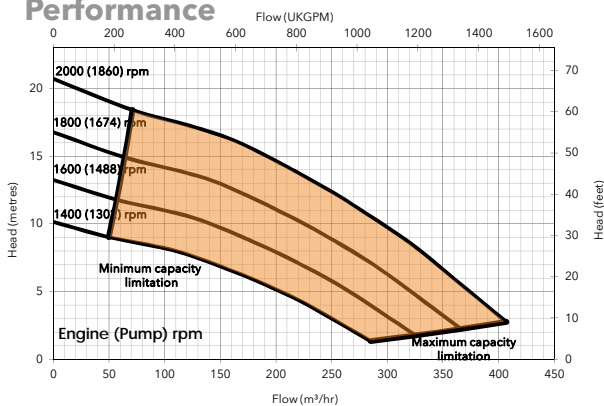
## Pump end - dimensions

Length	821 mm
Width	466 mm
Height	1067 mm
Dry Weight	260 kg

## Hydraulic Drive data

Maximum Hydraulic Drive pressure	250 bar
Pump speed	1860 rpm
Hydraulic motor	Gear type
Hydraulic motor displacement	60 cc/rev
Hydraulic Flow	100 l/min

## Performance



Reference number : 95-1220-1000  
Date of issue : 24 June 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 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: GHPU30SG-DBO-002



### 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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[www.godwinpumps.com](http://www.godwinpumps.com)

### 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: GHPU30SG-DBH-002



### 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 (dbA)		
		1 m	3 m	7 m
Hushpac	1200	71	64	64
	1800	76	69	66
	2000	77	76	74

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