

# Heidra 150V Pump

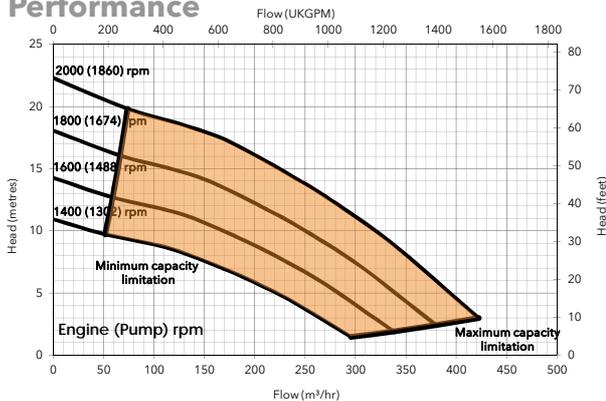
The Godwin Heidra 150V hydraulic submersible pump is a compact self-contained pumping unit featuring a diesel driven power pack and hydraulic pump end. With variable speed diesel engine power, the Heidra 150V can meet a variety of flow and head requirements up to 422 m<sup>3</sup>/hr and total dynamic head requirements up to 20 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 easy connection to plug directly into bearing bracket.
- Standard impeller is designed for general pumping, slurries and sludges.
- Open solid handling impellers with replaceable wearplates.
- 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.

## Performance



Reference number : 95-1211-1000  
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 Issue : 4



TLPN: HS150V-01-001

## Specifications

Suction connection	150 mm with strainer
Delivery connection	6" BSP (F)
Max capacity	422 m <sup>3</sup> /hr
Max Head	20 metres
Max operating speed	2000 rpm
Max Impeller diameter	280 mm
Max operating temperature	60 °C *
Max pressure	2.2 bar
Max suction pressure	2.0 bar
Max casing pressure	3.3 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	577 mm
Width	514 mm
Height	816 mm
Dry Weight	250 kg

## Hydraulic Drive data

Hydraulic Drive pressure	250 bar
Pump speed	2000 rpm
Hydraulic motor	Gear type
Hydraulic motor displacement	60 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.

# 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

### 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.

### 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

### 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

Xylem Dewatering Solutions UK Ltd  
Quenington, Cirencester  
Gloucestershire GL7 5BX, England  
Tel: +44 (0)1285 750271 Fax: +44 (0)1285 750352

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

### Acoustic information

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

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