

Heidra 80HH Pump

LENNTECH
WATER TREATMENT SOLUTIONS

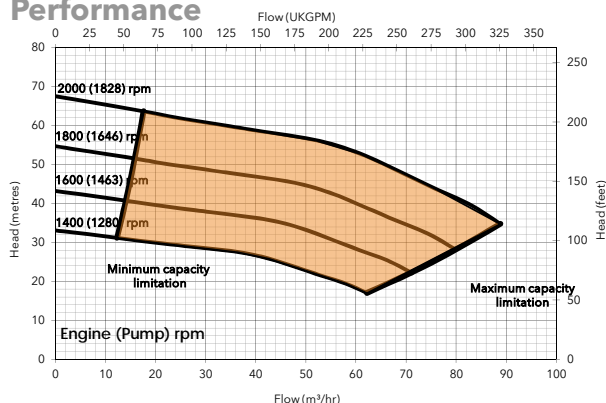
The Godwin Heidra 80HH hydraulic submersible pump is a compact self-contained pumping unit featuring a diesel driven power pack and hydraulic pump end. With variable speed diesel engine power, the Heidra 80HH can meet a variety of flow and head requirements up to 89 m³/hr and total dynamic head requirements up to 64 metres.

It has the ability to handle solids up to 25 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

- Optional 75 mm bauer discharge connection. The quick release lever allows pipe work to be connected & disconnected very easily.
- 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.
- 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



TLPN: HS080HH-01-001

Specifications

Suction connection	85 mm with strainer
Delivery connection	75 mm (3" BS10 Table 'D')
Max capacity	89 m ³ /hr
Max Head	64 metres
Max operating speed	2000 rpm
Max Impeller diameter	325 mm
Max operating temperature	60 °C *
Max pressure	6.6 bar
Max suction pressure	2.0 bar
Max casing pressure	9.9 bar
Max Solids handling	25 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	450 mm
Width	510 mm
Height	800 mm
Dry Weight	170 kg

Hydraulic Drive data

Hydraulic Drive pressure	250 bar
Pump speed	2000 rpm
Hydraulic motor	Gear type
Hydraulic motor displacement	59 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.

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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: GHPU30-DBO-001



Dimensions

Length	2500 mm
Width	1300 mm
Height	2135 mm
Wet weight	2,050 kg
Fuel tank capacity (Full)	390 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.

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

Acoustic information

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

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