

Heidra 80 Pump

LENNTECH
WATER TREATMENT SOLUTIONS

The Godwin Heidra 80 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 80 can meet a variety of flow and head requirements up to 72 m³/hr and total dynamic head requirements up to 17 metres.

It has the ability to handle solids up to 40 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.
- Hard faced 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 GHPU05 as standard.



TLPN: HS080-01-001

Specifications

Suction connection	75 mm with strainer
Delivery connection	3" BSP (F)
Max capacity	72 m ³ /hr
Max Head	17 metres
Max operating speed	2200 rpm
Max Impeller diameter	165 mm
Max operating temperature	60 °C *
Max pressure	1.9 bar
Max suction pressure	1.7 bar
Max casing pressure	2.8 bar
Max Solids handling	40 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	Carbon vs SiC
Suction Strainer & Lifting Bracket	Fabrication Mild Steel tube and plate.

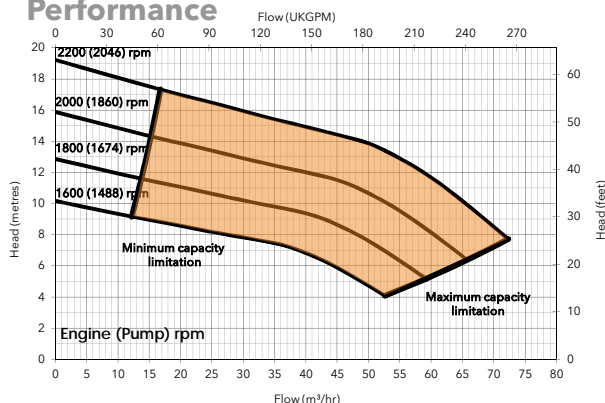
Pump end - dimensions

Length	405 mm
Width	355 mm
Height	600 mm
Dry Weight	70 kg

Hydraulic Drive data

Hydraulic Drive pressure	250 bar
Pump speed	2046 rpm
Hydraulic motor	Gear type
Hydraulic motor displacement	5 cc/rev
Hydraulic Flow	15 l/min

Performance



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 - GHPU05 Z482

General data

Engine: Kubota Z482 (5 kW @ 2000 rpm)	
Engine speed	2000 rpm
Hydraulic Pump	Gear type
Hydraulic pump displacement	5 cc/rev
Output flow	15 l/min
Hydraulic reservoir capacity	31 litres

Open set configuration

TLPN: GHPU05-DBO-001



Dimensions

Length	1300 mm
Width	850 mm
Height	1525 mm
Wet weight	650 kg
Fuel tank capacity (Full)	72 litres

Maximum hose lengths

Engine (rpm)	1600	1800	2000	2200
Max Length (mtrs)	35	30	25	20

Hydraulic Hose

Feed/Return 13 mm (½") Quick Disconnect

Bleed Line 6 mm (¼") Quick Disconnect.

Hush-Pac configuration

TLPN: GHPU05-DBH-001



Dimensions

Length	1520 mm
Width	735 mm
Height	1333 mm
Wet weight	800 kg
Fuel tank capacity (Full)	75 litres

Acoustic information

Engine	Speed (rpm)	Average Sound Pressure rating (dB(A))		
		1 m	3 m	7 m
Hushpac	1400	63	58	53
	2000	65	63	54
	2200	66	64	58

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