

Heidra 110HH Pump

LENNTECH
WATER TREATMENT SOLUTIONS

The Godwin Heidra 110HH 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 110HH can meet a variety of flow and head requirements up to 102 m³/hr and total dynamic head requirements up to 150 metres.

It has the ability to handle solids up to 20 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

- Double mechanical seal in its own clean oil bath allows for indefinite dry running. Inboard seal: silicon carbide. Outboard seal: carbon or ceramic.
- Piston motor connections are standard four-bolt SAE flange & shaft. Which allows the bearing bracket to plug directly together.
- Standard impeller is designed for general pumping, slurries and sludges.
- Safe pump end no risk of electric shock or explosion.
- Open solid handling impellers with replaceable wearplates.
- Simple and reliable operation, no valves & requires little maintenance.
- Alternative powerpack options available e.g. Highway trailer, Site trolley. Electric motor drive option also available.
- Godwin Power Pack GHPU50 as standard.



TLPN: HS110HH-30-001

Specifications

Suction connection	100 mm with strainer
Delivery connection	80mm (3" Table E)
Max capacity	102 m ³ /hr
Max Head	150 metres
Max operating speed	2100 rpm
Max Impeller diameter	465 mm
Max operating temperature	60 °C *
Max pressure	14.7 bar
Max suction pressure	6.0 bar
Max casing pressure	22.1 bar
Max Solids handling	20 mm

* Please contact our office for applications in excess of maximum temperature.

Materials

Pump casing & suction cover	Cast Steel EN10293/A5
Wearplates	High Chrome Cast Iron Hardened to 625 HB Brinell
Pump Shaft	Nickel Chrome Steel to BS970 Grade 817M40T
Impeller	Cast Steel EN10293/A5
Mechanical Seal Face	Silicon carbide vs silicon carbide viton
Suction Strainer & Lifting Bracket	Fabrication Mild Steel tube and plate.

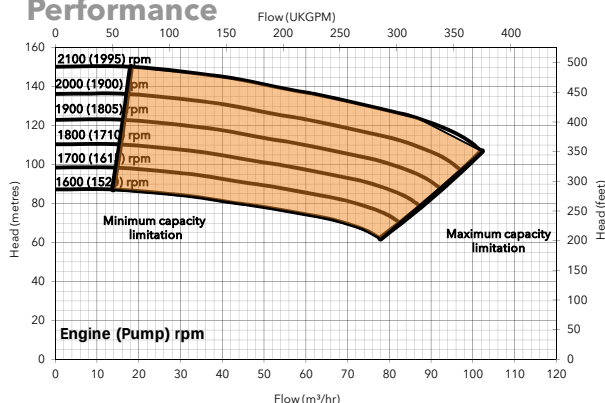
Pump end - dimensions

Length	700 mm
Width	700 mm
Height	1295 mm
Dry Weight	715 kg

Hydraulic Drive data

Hydraulic Drive pressure	270 bar
Pump speed	2000 rpm
Hydraulic motor	Piston type
Hydraulic motor displacement	100 cc/rev
Hydraulic Flow	190 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 - GHPU50 1106D-E66TA (129)

General data

Engine: Perkins 1106D-E66TA (129) (107 kW @ 2000 rpm)	
Engine speed	2000 rpm
Hydraulic Pump	Piston type
Hydraulic pump displacement	100 cc/rev
Output flow	190 l/min
Hydraulic reservoir capacity	250 litres

Open set configuration

TLPN: GHPU50-DBO-001



Dimensions

Length	2950 mm
Width	1300 mm
Height	1900 mm
Wet weight	2,750 kg
Fuel tank capacity (Full)	480 litres

Maximum hose lengths

Engine (rpm)	1400	1600	1800	2000
Max Length (mtrs)	45	40	35	30

Hydraulic Hose

Feed/Return 32 mm (1¼") Quick Disconnect.

Bleed Line 19 mm (¾") Quick Disconnect.

Hush-Pac configuration

TLPN: GHPU50-DBH-001



Dimensions

Length	3350 mm
Width	1300 mm
Height	1887 mm
Wet weight	3,200 kg
Fuel tank capacity (Full)	324 litres

Acoustic information

Engine	Speed (rpm)	Average Sound Pressure rating (dB(A))		
		1 m	3 m	7 m
Hushpac	1400	73	67	66
	2000	77	71	68
	2200	79	78	76

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