

Heidra 103 Pump

LENNTECH
WATER TREATMENT SOLUTIONS

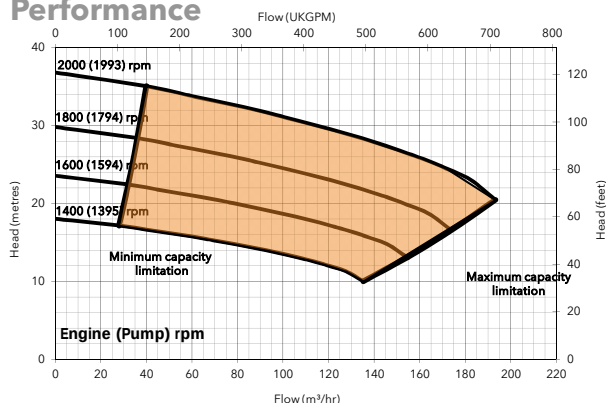
The Godwin Heidra 103 hydraulic submersible pump is a compact self-contained pumping unit featuring a diesel driven power pack and hydraulic pump end. With variable speed diesel engine power, the Heidra 103 can meet a variety of flow and head requirements up to 193 m³/hr and total dynamic head requirements up to 35 metres.

It has the ability to handle solids up to 75 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 100 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 easy connection to plug directly into bearing bracket.
- This special design allows the pump to fit down a standard 22 inch Manhole.
- 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 GHPU15 as standard.

Performance



TLPN: HS103-01-001

Specifications

Suction connection	100 mm with strainer
Delivery connection	4" BSP (F)
Max capacity	193 m ³ /hr
Max Head	35 metres
Max operating speed	2000 rpm
Max Impeller diameter	256 mm
Max operating temperature	60 °C *
Max pressure	3.6 bar
Max suction pressure	1.7 bar
Max casing pressure	5.4 bar
Max Solids handling	75 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	410 mm
Width	520 mm
Height	650 mm
Dry Weight	135 kg

Hydraulic Drive data

Hydraulic Drive pressure	250 bar
Pump speed	2000 rpm
Hydraulic motor	Gear type
Hydraulic motor displacement	28 cc/rev
Hydraulic Flow	50 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 - GHPU15 404D-22T

General data

Engine: Perkins 404D-22T (31 kW @ 2000 rpm)	
Engine speed	2000 rpm
Hydraulic Pump	Gear type
Hydraulic pump displacement	29 cc/rev
Output flow	50 l/min
Hydraulic reservoir capacity	80 litres

Open set configuration

TLPN: GHPU15-DBO-002



Dimensions

Length	1800 mm
Width	1000 mm
Height	1900 mm
Wet weight	1,300 kg
Fuel tank capacity (Full)	170 litres

Maximum hose lengths

Engine (rpm)	1400	1600	1800	2000
Max Length (mtrs)	60	50	40	30

Hydraulic Hose

Feed/Return	19 mm (¾") BSP Quick Disconnect & 19 mm (¾") NB pipe.
Bleed Line	10 mm (⅜") BSP Quick Disconnect & 16 mm (½") NB pipe.

Hush-Pac configuration

TLPN: GHPU15-DBH-002



Dimensions

Length	2190 mm
Width	1045 mm
Height	1500 mm
Wet weight	1,425 kg
Fuel tank capacity (Full)	180 litres

Acoustic information

Engine	Speed (rpm)	Average Sound Pressure rating (dB(A))		
		1 m	3 m	7 m
Hushpac	1400	72	67	64
	1800	75	70	65
	2000	77	71	66

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Let's Solve Water



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