

Heidra 300 Pump

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WATER TREATMENT SOLUTIONS

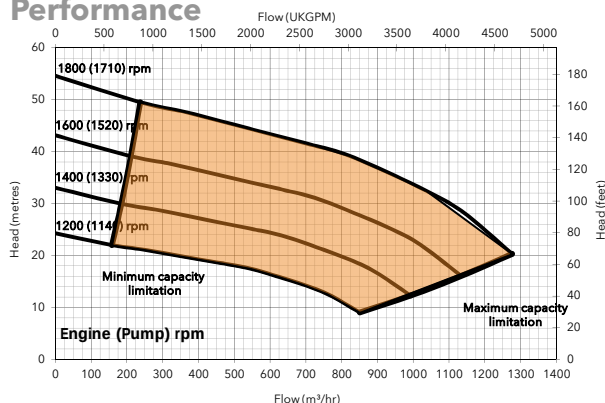
The Godwin Heidra 300 hydraulic submersible pump is a compact self-contained pumping unit featuring a diesel driven power pack and hydraulic pump end. With variable speed diesel engine power, the Heidra 300 can meet a variety of flow and head requirements up to 1,277 m³/hr and total dynamic head requirements up to 50 metres.

It has the ability to handle solids up to 95 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

- Bearings are independent from the hydraulic gear motor - pump loads in no way affect gear motor performance.
- 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 GHPU90 as standard.

Performance



TLPN: HS300-01-001

Specifications

Suction connection	300 mm with strainer
Delivery connection	300 mm (12" BS10 Table 'D')
Max capacity	1277 m ³ /hr
Max Head	50 metres
Max operating speed	1800 rpm
Max Impeller diameter	362 mm
Max operating temperature	60 °C *
Max pressure	5.4 bar
Max suction pressure	4.0 bar
Max casing pressure	8.0 bar
Max Solids handling	95 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	FRONT - Cast Iron, abrasion resistant, BS EN12513 REAR - Cast Iron EN1561 (220)
Pump Shaft	Nickel Chrome Steel to BS970 Grade M40 EN24T
Impeller	Cast Steel EN10293/A5
Mechanical Seal Face	Double mech seal inboard Sic v Sic Outboard Sic v C
Suction Strainer & Lifting Bracket	Fabrication Mild Steel tube and plate.

Pump end - dimensions

Length	1400 mm
Width	1055 mm
Height	1830 mm
Dry Weight	950 kg

Hydraulic Drive data

Hydraulic Drive pressure	275 bar
Pump speed	1800 rpm
Hydraulic motor	Piston type
Hydraulic motor displacement	180 cc/rev
Hydraulic Flow	320 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 - GHPU90 C9

General data

Engine: Caterpillar C9 (205 kW @ 1800 rpm)	
Engine speed	1800 rpm
Hydraulic Pump	Piston type
Hydraulic pump displacement	180 cc/rev
Output flow	320 l/min
Hydraulic reservoir capacity	320 litres

Open set configuration

TLPN: GHPU90-DBO-001



Dimensions

Length	3700 mm
Width	1700 mm
Height	2200 mm
Wet weight	5,300 kg
Fuel tank capacity (Full)	850 litres

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Maximum hose lengths

Engine (rpm)	1200	1400	1600	1800
Max Length (mtrs)	60	50	40	30

Hydraulic Hose

Feed/Return	Twin feed & return, 32 mm (1¼") N.B. Braided hose.
Bleed Line	Low pressure 19 mm (¾") N.B.

Hush-Pac configuration

TLPN: GHPU90-DBH-001



Dimensions

Length	4580 mm
Width	2065 mm
Height	2545 mm
Wet weight	6,475 kg
Fuel tank capacity (Full)	772 litres

Acoustic information

Engine	Speed (rpm)	Average Sound Pressure rating (dbA)		
		1 m	3 m	7 m
Hushpac	1600	74	70	65
	1800	78	75	70
	-	-	-	-

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