The Godwin Heidra 100NC 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 100NC can meet a variety of flow and head requirements up to 209 m³/hr and total dynamic head requirements up to 34 metres.

It also has dry running capabilities, a hard iron impeller, providing a rugged dewatering / solids handling, hydraulic submersible pump ready to go anywhere.

**Features**

- **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 two-bolt SAE flange & shaft. Which allows easy connection to plug directly into bearing bracket.

- Incorporates high efficiency N-Pump technology.

- Safe pump end no risk of electric shock or explosion.

- N Pump impeller with replaceable wearplates provide a non clog solution to pumping.

- Alternative options available e.g. Highway trailer, Site trolley.

- Godwin Power Pack GHPU15 as standard.

**Specifications**

- **Suction connection**: 100 mm with strainer
- **Delivery connection**: 4” BSP (F)
- **Max capacity**: 209 m³/hr
- **Max Head**: 34 metres
- **Max operating speed**: 2000 rpm
- **Max Impeller diameter**: 256 mm
- **Max operating temperature**: 60 °C *
- **Max pressure**: 3.8 bar
- **Max suction pressure**: 4.0 bar
- **Max casing pressure**: 5.7 bar
- **Max Solids handling**: -

* 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**: Rear - Cast iron BS1452 Gr220 Front - Hard Iron
- **Pump Shaft**: Carbon Steel BS 970-3:1991 080M40
- **Impeller**: Hard Iron BS EN 12513:2000
- **Mechanical Seal Face**: Silicon Carbide vs Silicon Carbide
- **Suction Strainer & Lifting Bracket**: Fabrication Mild Steel tube and plate.

**Pump end - dimensions**

- **Length**: 520 mm
- **Width**: 402 mm
- **Height**: 745 mm
- **Dry Weight**: 140 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

Reference number: 95-1224-1000
Date of issue: 11 March 2014
Issue: 2

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.
**Godwin Hydraulic Power Pack**

**Power Pack - GHPU15 404D-22**

**General data**

<table>
<thead>
<tr>
<th>Engine: Perkins 404D-22 (25 kW @ 2000 rpm)</th>
<th>Max Length (mtrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine speed 2000 rpm</td>
<td>60</td>
</tr>
<tr>
<td>Hydraulic Pump</td>
<td>50</td>
</tr>
<tr>
<td>Hydraulic pump displacement 29 cc/rev</td>
<td>40</td>
</tr>
<tr>
<td>Output flow 50 l/min</td>
<td>30</td>
</tr>
</tbody>
</table>

**Open set configuration**

TLPN: GHPU15-D80-001

<table>
<thead>
<tr>
<th>Dimensions</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Length 1800 mm</td>
<td>Width 1000 mm</td>
</tr>
<tr>
<td>Height 1900 mm</td>
<td>Wet weight 1,275 kg</td>
</tr>
<tr>
<td>Fuel tank capacity (Full) 170 litres</td>
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</tr>
</tbody>
</table>

**Hush-Pac configuration**

TLPN: GHPU15-DBH-001

<table>
<thead>
<tr>
<th>Dimensions</th>
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</thead>
<tbody>
<tr>
<td>Length 2190 mm</td>
<td>Width 1045 mm</td>
</tr>
<tr>
<td>Height 1500 mm</td>
<td>Wet weight 1,400 kg</td>
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<tr>
<td>Fuel tank capacity (Full) 180 litres</td>
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</tbody>
</table>

**Acoustic information**

<table>
<thead>
<tr>
<th>Engine</th>
<th>Speed (rpm)</th>
<th>Average Sound Pressure rating (dbA)</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>1 m</td>
<td>3 m</td>
</tr>
<tr>
<td>Hushpac</td>
<td>1200</td>
<td>71</td>
</tr>
<tr>
<td></td>
<td>1800</td>
<td>74</td>
</tr>
<tr>
<td></td>
<td>2000</td>
<td>76</td>
</tr>
</tbody>
</table>

Xylem Dewatering Solutions UK Ltd
Quenington, Cirencester
Gloucestershire GL7 5BX, England
Tel: +44 (0)1285 750271 Fax: +44 (0)1285 750352

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www.godwinpumps.com

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