PUMP SPECIFICATIONS

**FLUID END**

- **Rated Horsepower** : 105
- **Number of cylinders** : 3
- **Plunger Stroke** : mm60

**POWER END**

- **Oil Capacity** : lt 10
- **Plunger dia** : 12 to 16 mm
- **Pump Weight** : Kg 280

**FLUID END**

- **FLUID HEAD** - Special high resistance stainless steel.
- **VALVES & SEATS** – Valves made in stainless steel and bronze seats.
- **PLUNGERS** - Solid ceramic plungers.
- **PACKING** – Pressure Packing internal cooling system. Double pressure packings
- **LUBRICATION** - Plungers and Packing lubricated by water supply with water spill venting.

**POWER END**

- **POWER FRAME** - High strength cast iron.
- **CRANKSHAFT** - Hardened and tempered alloy steel.
- **CRANKSHAFT BEARINGS** - Double roller rim.
- **CONNECTING RODS** - Surface treated spheroidal cast iron.
- **REDUCTION GEAR** - Internal 3.389:1 or 2.95:1 reduction ratio gear from either side of pump.
- **LUBRICATION** – Power end parts and gearbox are splash lubricated by oil in crankshaft reservoir.
MODEL: DL-100 UHP

Dimensions:

DL-100 PUMP:
Maximum design pressure: 3,448 bar (50,000 psi)
Maximum inlet pressure: 6 bar (87.00 psi)
Minimum inlet pressure: 3 bar (43.50 psi)

Standard connections: Suction --------------  G 3/4”
Discharge -------------- 9/16”AE HP

Weight 284 Kg

Table of pump pressures:

<table>
<thead>
<tr>
<th>MODEL</th>
<th>GEAR REDUCER RATE</th>
<th>PLUNGER DIA.</th>
<th>PRESSURE (psi / bar)</th>
<th>FLOW RATE (gpm / lpm)</th>
<th>MOTOR SPEED (rpm)</th>
<th>PUMP SPEED (rpm)</th>
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</thead>
<tbody>
<tr>
<td>DL-100-40</td>
<td>2.034</td>
<td>12</td>
<td>40,000 / 2,760</td>
<td>4.0 / 15.0</td>
<td>1500</td>
<td>738</td>
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<td>DL-100-30</td>
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<td>14.26</td>
<td>29,000 / 2,000</td>
<td>5.6 / 21.4</td>
<td>1500</td>
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<td>4.0 / 15.0</td>
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<td>743</td>
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<td>7.1 / 26.9</td>
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</table>

Performance refers to theoretical delivery with 100% volumetric efficiency.
Under normal operating conditions, pump volumetric efficiency is over 95%.
Please contact our technical staff in case continuous and heavy-duty, or special applications.

AQUA ENERGY