AQUA ENERGY DL HIGH PRESSURE

AQUA ENERGY INTERNATIONAL LTD
28 St James Business Centre, Linwood Road
Paisley PA3 3AT
Scotland, UK
Tel: (+44) (0) 141 849 6888
Fax: (+44) (0) 141 848 5777
E-mail: sales@aquaenergy.com
www.aquaenergy.com

PUMP SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated Horsepower</td>
<td>106</td>
</tr>
<tr>
<td>Oil Capacity</td>
<td>9 lt</td>
</tr>
<tr>
<td>Number of cylinders</td>
<td>3</td>
</tr>
<tr>
<td>Inlet Pressure</td>
<td>3 bar</td>
</tr>
<tr>
<td>Plunger Stroke</td>
<td>mm70</td>
</tr>
<tr>
<td>Pump Weight</td>
<td>Kg 260</td>
</tr>
</tbody>
</table>

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.
DL-100 SERIES

DL-100 PUMP:
Standard connections: Inlet --------------------- G 1-1/2”
Discharge ----------------- G 3/4”

Maximum design pressure: **1,500 bar** (21,750 psi)
Maximum inlet pressure: **3 bar** (43.50 psi)
Minimum inlet pressure: **2 bar** (29.00 psi)

Table of pump versions:

<table>
<thead>
<tr>
<th>Model</th>
<th>Volume l/min</th>
<th>Pressure Gpm</th>
<th>Power Kw</th>
<th>Volume l/min</th>
<th>Pressure Gpm</th>
<th>Power Kw</th>
</tr>
</thead>
<tbody>
<tr>
<td>DL 14</td>
<td>26.00</td>
<td>06.80</td>
<td>1500</td>
<td>21,750</td>
<td>74.5</td>
<td>101</td>
</tr>
<tr>
<td>DL 16</td>
<td>34.00</td>
<td>09.00</td>
<td>1200</td>
<td>17,400</td>
<td>77.9</td>
<td>106</td>
</tr>
<tr>
<td>DL 18</td>
<td>43.00</td>
<td>11.40</td>
<td>900</td>
<td>13,000</td>
<td>74.5</td>
<td>101</td>
</tr>
<tr>
<td>DL 20</td>
<td>53.00</td>
<td>13.90</td>
<td>750</td>
<td>10,900</td>
<td>75.9</td>
<td>103</td>
</tr>
<tr>
<td>DL 22</td>
<td>64.00</td>
<td>16.90</td>
<td>600</td>
<td>8,700</td>
<td>75.0</td>
<td>100</td>
</tr>
<tr>
<td>DL 24</td>
<td>76.00</td>
<td>20.00</td>
<td>500</td>
<td>7,250</td>
<td>72.6</td>
<td>99</td>
</tr>
</tbody>
</table>

A. Rated crankshaft speed 800 rpm
B. Rated crankshaft speed 804 rpm
C. Rated crankshaft speed 808 rpm

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