**PUMP OVERVIEW**

The ClydeUnion Pumps Aquaglide range of horizontal and vertical pumps is an established large end suction range suitable for high capacity applications:

- 26 individual pump frames sizes divided into 5 modular shaft groupings
- Horizontal and vertical configurations available
- Numerous sealing options available
- Material options available for non-corrosive and corrosive applications including seawater
- Back pull-out design allows for easy removal of the pump rotating element without disturbing the pipework ensuring ease of maintenance
- WRAS and NSF coatings suitable for potable water available
- Designed for both 50Hz and 60Hz markets

**TYPICAL APPLICATIONS**

- Water treatment, supply + distribution
- Desalination
- District heating + district cooling
- Irrigation
- De-watering
- Power auxiliaries
- Paper manufacturing
- Mining
- Metal manufacturing
- Chemical + petrochemical industries
- General industrial applications
- Building services

**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>Capacity:</th>
<th>up to 10,000 m³/hr / 44,000 USgpm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Delivery head:</td>
<td>up to 120 m / 400 ft</td>
</tr>
<tr>
<td>Temperature:</td>
<td>up to 80 °C / 180 °F</td>
</tr>
<tr>
<td>Speeds:</td>
<td>up to 1,500 rpm</td>
</tr>
<tr>
<td>Flange drilling:</td>
<td>ANSI or BS</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MATERIAL SPECIFICATION</th>
<th>CASING</th>
<th>IMPELLER</th>
<th>SHAFT</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPEC I1</td>
<td>Cast Iron</td>
<td>Cast Iron</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td>SPEC I2</td>
<td>Cast Iron</td>
<td>Bronze</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td>SPEC J</td>
<td>Cast Iron</td>
<td>Stainless Steel</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td>SPEC A8</td>
<td>Stainless Steel</td>
<td>Stainless Steel</td>
<td>Super Duplex</td>
</tr>
<tr>
<td>SPEC D1</td>
<td>Duplex</td>
<td>Duplex</td>
<td>Super Duplex</td>
</tr>
<tr>
<td>SPEC D2</td>
<td>Super Duplex</td>
<td>Super Duplex</td>
<td>Super Duplex</td>
</tr>
</tbody>
</table>

Please Note: A wide range of additional materials are available on request.

[ClydeUnion Pumps]
1. **Low energy costs**
   Hydraulic design provides high efficiency, low NPSH and stable characteristics

2. **Optimum seal performance**
   Single, double and cartridge options. Packed gland available on request

3. **Extended bearing life**
   Grease lubricated. Oil lubricated as a non-standard option

4. **Ease of maintenance**
   Back pull-out design allows full access without disturbing site pipework or driver

5. **Low power consumption**
   Shrouded impeller design provides high efficiency and low hydraulic thrust

6. **Wear options**
   Casing wear rings fitted as standard, impeller wear ring option available

7. **Modular design**
   Minimises spares holding of back pull-out components

8. **Centre line discharge**
   Self venting casing design prevents air entrapment in the top of the casing

9. **Simplified build procedures**
   Spigot design facilitates self setting axial clearance

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**RANGE COVERAGE CHARTS**

**50HZ RANGE CHART**

![50Hz Range Chart]

**60HZ RANGE CHART**

![60Hz Range Chart]

These charts cover the standard pump range. Other engineering designs exist for extreme applications.