LUV – Boiler Recirculation Pump

Applications:
- Hot water recirculation in boilers of fossil-fuelled and solar power plants

More information:
www.ksb.com/products
LUV – Boiler Recirculation Pump

- **Operating reliability**
  - Completely forged pressure enclosure
  - Hermetically sealed
    (zero leakage, no mechanical seals)
  - Bearings designed for the highest loads under transient operating conditions
  - Forged casing with optimised thermoelastic design

- **Reliability during upset conditions**
  - Motor cooling through thermosyphon effect
  - Optimised heat barrier minimises heat transfer to the motor; no heat barrier cooling required

- **Low power consumption**
  - Well-proven design with high hydraulic efficiency
  - Wet winding technology for high motor efficiency

- **Low life cycle costs**
  - Long maintenance intervals
  - Long reduced-shank studs to cope with high pressure and temperature transients
  - Special winding technology for long motor service life

- **Low maintenance costs**
  - Pull-out design for straightforward replacement
  - Optimised rotordynamic behaviour with low vibrations
  - Easy access to wear parts

---

**Technical data***

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pressure</td>
<td>Up to 350 bar (35 MPa)</td>
</tr>
<tr>
<td>Flow rate</td>
<td>Up to 7000 m³/h (30820 gpm)</td>
</tr>
<tr>
<td>Head</td>
<td>Up to 300 m (985 ft)</td>
</tr>
<tr>
<td>Temperature</td>
<td>Up to 380 °C (716 °F)</td>
</tr>
<tr>
<td>Codes</td>
<td>ASME, IBR, (TRD)**</td>
</tr>
<tr>
<td>Operating voltage</td>
<td>Up to 12 kV</td>
</tr>
<tr>
<td>Frequency</td>
<td>50 / 60 Hz</td>
</tr>
</tbody>
</table>

*Higher ratings on request

**According to latest standards

---

KSB Aktiengesellschaft
Johann-Klein-Straße 9
67227 Frankenthal (Germany)
www.ksb.com