DWT (B-Pump) - Deep Well Turbine Pump

Applications:
- Water supply
- Water extraction
- Lowering ground water
- Irrigation
- Cooling water
- Seawater intake
- Raw & clean water transport
And much else.

For more information:
www.ksb.com/products
DWT (B-Pump) - Deep Well Turbine Pump

1. **One discharge elbow** for all design variants.
2. **Flanged column pipe**, diameter smaller than nominal well diameter.
3. **Guiding bushes of shaft assembly** made of rubber, product lubricated, without spacer sleeve.
4. **Thread coupling** to connect shafts.
5. **Impellers fastened to the shaft with tapered locking sleeves** for easy dismantling.
6. **Bearing spider** to align intermediate shafts.
7. **Wear ring made of bronze and cast steel** easy to replace, prevents wear on casing and impeller.
8. **Shaft assembly made of stainless steel or carbon steel**.
9. **Shaft sealing gland packing**, option of mechanical seal also available.
10. **Thrust bearing for a very long service life**.
11. **Different drive option** available on request VHS, VI Motor Gear head, pulley drives.
12. **Suction strainer**.

**Operating Data**

<table>
<thead>
<tr>
<th>Part/Component</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suction piece, discharge piece, intermediate bowl, discharge head, spider</td>
<td>Grey cast iron</td>
</tr>
<tr>
<td>Wear ring</td>
<td>Grey cast iron/Bronze</td>
</tr>
<tr>
<td>Impeller</td>
<td>Tin bronze</td>
</tr>
<tr>
<td>Bearing sleeve</td>
<td>Pb Sn Bz 15</td>
</tr>
<tr>
<td>Pump shaft, pump shaft coupling</td>
<td>Steel/Stainless steel</td>
</tr>
<tr>
<td>column shaft</td>
<td></td>
</tr>
<tr>
<td>Rubber bearing</td>
<td>St/Rub/Thordon</td>
</tr>
<tr>
<td>Motor stool</td>
<td>RSt 37 - 2</td>
</tr>
<tr>
<td>Column pipe</td>
<td>ASTM A53</td>
</tr>
</tbody>
</table>

**Drives**

DWT Pumps are driven either by the vertical hollow/solid shaft electric motor or a diesel (IC) engine. If an IC engine is used as the drive, transmission can be affected via bevel gears. A torsionally flexible cardan shaft is fitted as a coupling in this case. The different types of drives are:

- **ET** - Vertical hollow shaft motor
- **V1** - Solid shaft motor through flexible coupling
- **KT** - Diesel engine via bevel gears
- **EK** - Combine drive either by ET or KT
- **RT** - Diesel engine via flat belt

**Other materials upon request (Stainless steel, Ni-resist, Duplex)**

KSB Pumps Company Limited
16/2, Sir Aga Khan Road,
Lahore, Pakistan
www.ksb.com.pk