**TDSK SERIES**

**Feature:**
- Tipped with tungsten cutter to cut off foreign objects and prevent from clogging.

**Application:**
- Hospital, school, building...etc.
- Wastewater treatment system; Industrial wastewater and ground water drainage.

**Specifications**

<table>
<thead>
<tr>
<th>Type</th>
<th>Output</th>
<th>Discharge</th>
<th>Phase</th>
<th>Rated Head Capacity</th>
<th>Maximum Head Capacity</th>
<th>Cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>TDSK-05</td>
<td>1/2</td>
<td>2&quot;</td>
<td>1,3</td>
<td>6 170</td>
<td>9.4 390</td>
<td>5</td>
</tr>
<tr>
<td>TDSK-10</td>
<td>1</td>
<td>2&quot;(3&quot;)</td>
<td>1,3</td>
<td>8 250</td>
<td>13.3 510</td>
<td>5</td>
</tr>
<tr>
<td>TDSK-20</td>
<td>2</td>
<td>2&quot;(3&quot;)</td>
<td>1</td>
<td>10 380</td>
<td>17.3 640</td>
<td>5</td>
</tr>
<tr>
<td>TDSK-30</td>
<td>3</td>
<td>2&quot;(3&quot;)</td>
<td>3</td>
<td>13 500</td>
<td>22.3 812</td>
<td>5</td>
</tr>
<tr>
<td>TDSK-50</td>
<td>5</td>
<td>3&quot;(4&quot;)</td>
<td>3</td>
<td>19 500</td>
<td>28.3 990</td>
<td>10</td>
</tr>
<tr>
<td>TDSK-75</td>
<td>7 1/2</td>
<td>3&quot;(4&quot;)</td>
<td>3</td>
<td>26 730</td>
<td>31 1090</td>
<td>10</td>
</tr>
</tbody>
</table>

Note 1: Automatic models are available in single-phase versions.
Note 2: Q.D.C. (Quick Discharge Connection) is applied in all models.
Robust Submersible Platform Motor

1. **Water-proof Cable:** Epoxy potting for self-contained core sealer
2. **Motor Protector:** Built-in protectors preventing motors from burnout due to abnormal operation
3. **Anti-corrosive Motor Housing:** Made of stainless steel, high-resistance to corrosion
4. **High-Efficiency Motor:** Specially designed submersible motor with F class insulation and low temperature rise
5. **C3 Clearance Bearing:** Deep groove bearing with C3 clearance, running life more than 50,000 hours
6. **High-reliability Shaft Sealing:** Back-to-back double mechanical seals in the separate oil chamber, oil seal equipped at pressure side

### Applications:

<table>
<thead>
<tr>
<th>Model</th>
<th>Type</th>
<th>Output</th>
<th>Impeller</th>
<th>Spherical clearance</th>
</tr>
</thead>
<tbody>
<tr>
<td>TDSK</td>
<td>Cutter Pumps</td>
<td>0.4-3.7 kW</td>
<td>Semi-open/TC cutter</td>
<td>22-28mm</td>
</tr>
<tr>
<td>TDS</td>
<td>Non-clog Pumps</td>
<td>0.4-5.5 kW</td>
<td>Vortex</td>
<td>35-50mm</td>
</tr>
<tr>
<td>TKD</td>
<td>Dredging Pumps</td>
<td>0.4-5.5 kW</td>
<td>Vortex</td>
<td>15-35mm</td>
</tr>
</tbody>
</table>

**USER CATEGORIES**

- **TDS**
- **TDSK**
- **TKD**

- **Breweries**
- **Canneries**
- **Chemical Ind.**
- **Construction**
- **Dredging**
- **Environmental Ind.**
- **Food processing**
- **Hotel Restaurant**
- **Leather Ind.**
- **Mines**
- **Paper mill**
- **Petro-chemical Ind.**
- **Power plant**
- **Quarries**
- **Refineries**
- **Rolling mills**
- **Rubber Ind.**
- **Sewage treatment**
- **Steel works**
- **Sugar factories**
- **Textile mills**
- **Electronics**

**USER CATEGORIES**

- **TDS**
- **TDSK**
- **TKD**

- **Abrasive**
- **Activated sludge**
- **Aggressive sludge**
- **Cement**
- **Chicken feathers**
- **Circulation water**
- **Coal washing water**
- **Digester sludge**
- **Fly ash**
- **Gassy Sludge**
- **Grinding dust**
- **Ground water**
- **Harbor sludge**
- **Oil residues**
- **Paper pulp**
- **Primary sludge**
- **Process water**
- **Sand, lime sludge**
- **Sewage**
- **Sludge circulation**
- **Viscous media**
- **Waste water**