This powerful high-volume pump series features a special-steel impeller and a 6-pole motor.

**Performance Curves**

- S.S. 1000 min⁻¹
- S.S. 1200 min⁻¹

**Standard Specifications 50/60Hz**

<table>
<thead>
<tr>
<th>Discharge Bore Size mm</th>
<th>Model</th>
<th>Motor Output kW</th>
<th>Phase</th>
<th>Total Head (m)</th>
<th>Capacity (m³/min)</th>
<th>Starting Method</th>
<th>Dry Weight (kg)</th>
<th>Cable Length (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>GSZ5-22-6</td>
<td>22</td>
<td>3-phase</td>
<td>15</td>
<td>4.6</td>
<td>D.O.L.</td>
<td>655</td>
<td>10</td>
</tr>
<tr>
<td>200</td>
<td>GSZ5-37-6</td>
<td>37</td>
<td>3-phase</td>
<td>30</td>
<td>5.0/4.5</td>
<td>Wet D.O.L.</td>
<td>796</td>
<td>10</td>
</tr>
</tbody>
</table>

**Dimensions**

- Unit: mm

**Cross-Section**

- NO. DESCRIPTIONS
- 1. Casing Cover
- 2. Air Release Valve
- 3. Shaft
- 4. Motor Bracket
- 5. Stuffing Box
- 6. Upper Bearing
- 7. Pump Casting
- 8. Lower Bearing
- 9. Impeller
- 10. Motor Protector
- 11. Suction Cover
- 12. Shaft
- 13. Bearing Housing
- 14. Oil Seal
- 15. Motor Frame
- 16. TEFC Bearing
- 17. Impeller
- 18. Shaft Sleeve
- 19. Eye Bolt
- 20. Oil Plug
- 21. Flange Plate
- 22. Lubricant

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We reserve the right to change the specifications and designs for improvement without prior notice.

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CAT. IB104-I Printed in Japan NZ-E-E-S
Innovations that ensure high durability and superb wear resistance

**Category**

<table>
<thead>
<tr>
<th>Submersible pumps</th>
<th>Slurry</th>
<th>Slurry (Bentonite)</th>
<th>Slurry (General construction)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Category</td>
<td>KTV</td>
<td>KRS</td>
<td>NKZ</td>
</tr>
<tr>
<td>Series</td>
<td>GPN</td>
<td>GSZ-6</td>
<td></td>
</tr>
<tr>
<td>Discharge bore (mm)</td>
<td>50</td>
<td>50~80</td>
<td>80~150</td>
</tr>
<tr>
<td>Output (kW)</td>
<td>0.55</td>
<td>2~3</td>
<td>4</td>
</tr>
<tr>
<td>Poles</td>
<td>2</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Forced motor cooling</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Side flow design</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Agitator</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Guide rail fitting system</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Forced Motor Cooling**

As illustrated, a part of pumped fluid flows in between the outer cover and the motor housing before being discharged, thus cooling the motor on its way. This forced motor cooling construction assures the motor exposed to air.

**Spiral Design**

The spiral design allows fluids containing slurry, sand, or mud to pass through smoothly.

**Side Flow Design**

The side flow design not only makes the pump easier to install in narrow locations but also keeps the motor cooling forcibly even if the pump is operated continuously with its motor exposed to air.

**Agitator**

The agitator installed on the motor shaft extension forcibly agitates the fluid for easy and efficient transfer of slurry, sand, or mud.

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**Standard Accessories**

- Hose coupling: 1pc.
- Hose band: 1pc.
KTV
A compact slurry pump series using KTV pumps as a base. Features high wear resistance and durability and extra light weight.

Performance Curves

<table>
<thead>
<tr>
<th>Standard Specifications 50/60Hz</th>
</tr>
</thead>
<tbody>
<tr>
<td>KTV2-50</td>
</tr>
<tr>
<td>50</td>
</tr>
<tr>
<td>50</td>
</tr>
</tbody>
</table>

Dimensions

<table>
<thead>
<tr>
<th>KTV2-50</th>
</tr>
</thead>
<tbody>
<tr>
<td>50</td>
</tr>
<tr>
<td>80</td>
</tr>
</tbody>
</table>

Cross-Section

Standard Accessory

Hose coupling 1pc.

KRS
Tsurumi’s typical slurry pumps with a 4-pole motor for an increased lifetime and greater convenience.

Performance Curves

<table>
<thead>
<tr>
<th>Standard Specifications 50/60Hz</th>
</tr>
</thead>
<tbody>
<tr>
<td>KRS2-80</td>
</tr>
<tr>
<td>80</td>
</tr>
<tr>
<td>80</td>
</tr>
</tbody>
</table>

Dimensions

<table>
<thead>
<tr>
<th>KRS2-80</th>
</tr>
</thead>
<tbody>
<tr>
<td>80</td>
</tr>
<tr>
<td>100</td>
</tr>
<tr>
<td>150</td>
</tr>
</tbody>
</table>

Cross-Section

Standard Accessory

Hose coupling 1pc.
All pumps in this series provide very smooth passage of sandy earth and slime. A forcibly cooled motor ensures long and continuous pump operations exposed to air.

A special-steel impeller and suction plate have greatly increased the pump’s life.

**Standard Accessory**
- Hose coupling

**Cross-Section**

**Dimensions**

**Specific Installation**

**Performance Curves**

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**Standard Accessory**
- Hose coupling

**Dimensions**

**Specific Installation**

**Performance Curves**

---

**Standard Accessory**
- Hose coupling

**Dimensions**

**Specific Installation**

**Performance Curves**
This powerful high-volume pump series features a special-steel impeller and a 6-pole motor.

**Performance Curves**

- **S.S. 1000 min⁻¹ (50 Hz)**
  - Capacity (m³/min)
  - Total head (m)
- **S.S. 1200 min⁻¹ (60 Hz)**
  - Capacity (m³/min)
  - Total head (m)

**Dimensions**

- Unit: mm

**Cross-Section**

- **NO DESCRIPTIONS**
  - 1. Casing Cylindrical
  - 2. Air Release Valve
  - 3. Shaft
  - 4. Motor Frame
  - 5. Motor Protector
  - 6. Impeller
  - 7. Suction Cover
  - 8. Pump Housing
  - 9. Motor Housing
  - 10. Lower Bearing
  - 11. Upper Bearing
  - 12. Motor Bracket
  - 13. Motor Mounting Plate

**Submersible Slurry Pumps**

- **HSD/KTV/KRS**
- **NKZ/GPN**
- **GSZ-6**

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