Features & Applications:
- Corrosion Resistant
- Durable Resin Molded Parts aid in longer pump life
- Eco-Friendly Operation
- Best for fish ponds and decorative waterfalls
- Guide-rail system available

Specifications:

<table>
<thead>
<tr>
<th>Pump Model</th>
<th>Discharge Size (in.)</th>
<th>HP</th>
<th>Phase (Ø)</th>
<th>Voltage (V)</th>
<th>Amps</th>
<th>Cable Length (ft.)</th>
<th>Dimension (W x D x H, in.)</th>
<th>Pump Weight (lbs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2OM</td>
<td>1 1/2</td>
<td>1/5</td>
<td>1</td>
<td>115</td>
<td>3.2</td>
<td>20</td>
<td>8 x 6 x 12</td>
<td>13</td>
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<td>120</td>
<td>3.1</td>
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<td>9 x 6 x 15</td>
<td>13</td>
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<tr>
<td>3PN</td>
<td>1 1/2</td>
<td>1</td>
<td>1</td>
<td>115</td>
<td>3.9</td>
<td>32</td>
<td>9 x 6 x 14</td>
<td>16</td>
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<tr>
<td>4PN</td>
<td>2</td>
<td>1/2</td>
<td>1</td>
<td>115</td>
<td>5.9</td>
<td>32</td>
<td>9 x 6 x 14</td>
<td>16</td>
</tr>
<tr>
<td>8PN</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>115</td>
<td>8.7</td>
<td>32</td>
<td>9 x 6 x 15</td>
<td>20</td>
</tr>
<tr>
<td>12PN</td>
<td>3 1/2</td>
<td>1</td>
<td>1</td>
<td>115</td>
<td>8.7</td>
<td>20</td>
<td>12 x 8 x 15</td>
<td>32</td>
</tr>
<tr>
<td>15PN</td>
<td>3 2/3</td>
<td>1</td>
<td>1</td>
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<td>8.7</td>
<td>32</td>
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<td>35</td>
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<tr>
<td>22PN</td>
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<td>1</td>
<td>3</td>
<td>*220</td>
<td>13.4</td>
<td>32</td>
<td>12 x 8 x 23</td>
<td>59</td>
</tr>
</tbody>
</table>

Other voltages are available upon request.
*220V Inverter Panel required. See Inverter Panel page.

High-Flow Water Feature Pump
For circulating water in pond or waterscape garden

Features & Applications:
- Delivers greater water flows
- 304 Stainless Steel motor casing, fasteners and shaft
- High-Flow design with an axial-flow impeller

Specifications:

<table>
<thead>
<tr>
<th>Pump Model</th>
<th>Discharge Size (in.)</th>
<th>HP</th>
<th>Phase (Ø)</th>
<th>Voltage (V)</th>
<th>Amps</th>
<th>Power Cable Length (ft.)</th>
<th>Dimension (W x D x H, in.)</th>
<th>Pump Weight (lbs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4HF</td>
<td>4 1/2</td>
<td>1</td>
<td>1</td>
<td>115</td>
<td>7.9</td>
<td>16</td>
<td>10 x 10 x 22</td>
<td>40</td>
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<tr>
<td>8HF</td>
<td>4</td>
<td>1</td>
<td>3</td>
<td>*220</td>
<td>3.5</td>
<td>32</td>
<td>10 x 10 x 22</td>
<td>42</td>
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<tr>
<td>15HF</td>
<td>6 2/3</td>
<td>3</td>
<td>3</td>
<td>*220</td>
<td>6.3</td>
<td>32</td>
<td>11 x 11 x 25</td>
<td>97</td>
</tr>
</tbody>
</table>

Other voltages are available upon request.
*220V Inverter Panel required. See Inverter Panel page.
Pumps for
Pond & Waterfall Installers & Contractors
Portable Submersible Pumps

Trash Pump HS2.4S • HS3.75S

Single-phase agitator pumps suspend solids when pumping sand and debris. Available in manual or automatic operation. Horsepower range 1/2 - 1hp and discharge range 2 - 3 inches.

- OPTIONAL ACCESSORIES: TS-301 Float Switch for automatic operation.
- OPTIONAL ACCESSORIES: Vertical Discharge Coupling.
- Low Level Kit is available

<table>
<thead>
<tr>
<th>Model</th>
<th>Motor Output (HP)</th>
<th>Phase</th>
<th>Discharge Bore (in.)</th>
<th>Cable Length (ft.)</th>
<th>Dimension (inch)</th>
<th>Continuous Running Water Level (inch)</th>
<th>Max. Solid Diam. (in.)</th>
<th>Shipping Weight (lbs.)</th>
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</thead>
<tbody>
<tr>
<td>HS2.4S</td>
<td>1/2</td>
<td>Single</td>
<td>2</td>
<td>20</td>
<td>10 1/16</td>
<td>12 15/16</td>
<td>3 1/2</td>
<td>1/4</td>
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<tr>
<td>HS3.75S</td>
<td>1</td>
<td>Single</td>
<td>3</td>
<td>32</td>
<td>12 7/16</td>
<td>15 1/4</td>
<td>3 1/2</td>
<td>1/4</td>
</tr>
</tbody>
</table>

Dewatering Pump LB-480 • LB-800

Top discharge provides maximum motor cooling while allowing continuous duty operation. Pumps fit into 8-inch pipes.

- OPTIONAL ACCESSORIES: TS-301 Float Switch for automatic operation.

<table>
<thead>
<tr>
<th>Model</th>
<th>Motor Output (HP)</th>
<th>Phase</th>
<th>Discharge Bore (in.)</th>
<th>Cable Length (ft.)</th>
<th>Dimension (inch)</th>
<th>Continuous Running Water Level (inch)</th>
<th>Max. Solid Diam. (in.)</th>
<th>Shipping Weight (lbs.)</th>
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</thead>
<tbody>
<tr>
<td>LB-480</td>
<td>2/3</td>
<td>Single</td>
<td>2</td>
<td>32</td>
<td>7 11/16</td>
<td>11 1/4</td>
<td>2</td>
<td>1/4</td>
</tr>
<tr>
<td>LB-800</td>
<td>1</td>
<td>Single</td>
<td>2</td>
<td>50</td>
<td>7 9/16</td>
<td>13 7/16</td>
<td>2</td>
<td>1/4</td>
</tr>
</tbody>
</table>

Ground Drainage Pump LSR2.4S • LSC1.4S

Ideal for complete drainage of flat surfaces where a sump is not available: rooftops, parking garages, roadways, underpasses, service utility pits, basements, plant maintenance cleanup, pools, spas and ponds.

- OPTIONAL ACCESSORIES: TS-301 Float Switch for automatic operation. (Use of float switch will not permit low level pumping)

LSR2.4S
- Prime pump through discharge outlet for start up at any water level.
- Internal check valve holds prime and prohibits back flow through pump when stopped.
- 3/4" discharge ideally suited for use with a garden hose

<table>
<thead>
<tr>
<th>Model</th>
<th>Motor Output (HP)</th>
<th>Phase</th>
<th>Discharge Bore (in.)</th>
<th>Cable Length (ft.)</th>
<th>Dimension (inch)</th>
<th>Continuous Running Water Level (inch)</th>
<th>Max. Solid Diam. (in.)</th>
<th>Shipping Weight (lbs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LSR2.4S</td>
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<td>Single</td>
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<td>32</td>
<td>8 1/4</td>
<td>11 3/8</td>
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<td>0.236</td>
</tr>
<tr>
<td>LSC1.4S</td>
<td>2/3</td>
<td>Single</td>
<td>3/4</td>
<td>20</td>
<td>7 11/16</td>
<td>12 7/16</td>
<td>0.04</td>
<td>0.236</td>
</tr>
</tbody>
</table>
**Pumps for Pond & Waterfall Installers & Contractors**

**Engine Driven Pumps**

**Centrifugal Pump** TE3-50HA / -80HA • TE2-100HA
- Heavy-Duty Honda gas engine with oil sensor and Silicon Carbide mechanical seal provides the longest life in this class.
- Cast iron impeller and volute casing.
- Durable Rolled-Steel frame provides pump/engine with maximum protection, perfect ease of handling or transport, and safe operation.

**Trash Pump** EPT3-50HA / -80HA / -100HA
- Powered by Honda gas engines with oil sensor alert.
- High chromium impeller and cast iron volute casing.
- Stainless Steel wear plate around the inside of the casing for extra durability.
- Galvanized steel hose couplings for longer thread life.
- Rubber Vibration Cushions to buffer stress and wear when pumps in operation.

### Inverter Panel for Three-Phase (220V) Pumps

Tsurumi Water Feature Inverter Panels allow a three-phase/220V pump to operate on a single-phase/220V power supply.

The inverter panel incorporates a variable speed controller to allow home owners greater control of the flow and feel of their water feature.

- **Efficiency**  Three-phase motors are more efficient than single phase motor (Often higher than 30%)
- **Reliability**  Three-phase motors are more reliable than single phase motors (Frequently lasting 10 times longer)
- **Cost-Saving**  Three-phase motors are generally less expensive to operate than single-phase motors

For more detailed information of Tsurumi Inverter Panel, contact us, or your local Tsurumi authorized distributor.

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

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**For Sales, Service, and Specifications, call:**

1-888-TSURUMI (878-7864)

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1625 Fullerton Court
Glendale Heights, IL 60139
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1-630-793-0127
Fax: 1-630-793-0146

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1-801-563-5910
Fax: 1-801-563-5911