THE RIGHT PUMP FOR TOUGH JOBS

BJM PUMPS 1983 - 2013

Anniversary BJM PUMPS ALL-TEST Pro

SINGLE PHASE ELECTRIC MOTOR

SUBMERSIBLE PUMPS

• RESIDENTIAL
• CONSTRUCTION
• SEPTIC WASTEWATER
• PLANTS & UTILITIES
• RECREATIONAL CENTERS
R SERIES
TOP DISCHARGE / SLIM-LINE
DEWATERING PUMPS

APPLICATIONS
CONSTRUCTION SITES ● FLOODED BASEMENTS ● PONDS,
FOUNTAINS & WATERFALLS ● PLANT WASTES AND WASH DOWN
GENERAL DEWATERING

Design and Construction
• 304SS motor housing; superior to pumps with aluminum housings that wear out pumping sandy water.
• Hard - cast iron impellers and volutes.

Superior motor protection
• Built-in high temperature switch protects the motor from overheating and shorting if the pump runs dry.
• 3 seals: lip seal, 2 mechanical seals; silicon carbide and carbon/ceramic.
• Max water temperature 104°F.
  (Contact BJM for high temperature applications up to 200°F).
• Class F motor insulation on all models.

SINGLE PHASE 60Hz R-SERIES PUMPS:

<table>
<thead>
<tr>
<th>MODEL</th>
<th>DISH SIZE</th>
<th>H.P.</th>
<th>VOLT</th>
<th>PHASE</th>
<th>RPM</th>
<th>RATED AMPS</th>
<th>MAX SOLIDS</th>
<th>MAX HEAD</th>
<th>MAX GPM</th>
<th>HEIGHT</th>
<th>WIDTH</th>
<th>PUMP WEIGHT LBS.</th>
<th>EST. SHIP WEIGHT LBS.</th>
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</thead>
<tbody>
<tr>
<td>R250</td>
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<td>47.5</td>
<td>14.6&quot;</td>
<td>7&quot;</td>
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<td>33</td>
</tr>
<tr>
<td>R400</td>
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<td>0.5</td>
<td>115/230</td>
<td>1</td>
<td>3450</td>
<td>7.6 / 3.8</td>
<td>1/8&quot;</td>
<td>35&quot;</td>
<td>66</td>
<td>14.6&quot;</td>
<td>7&quot;</td>
<td>29</td>
<td>33</td>
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<tr>
<td>R750</td>
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<td>3450</td>
<td>14 / 7</td>
<td>1/4&quot;</td>
<td>49.5&quot;</td>
<td>89</td>
<td>19.3&quot;</td>
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<td>1/4&quot;</td>
<td>71&quot;</td>
<td>116</td>
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<td>230</td>
<td>1</td>
<td>3450</td>
<td>14</td>
<td>1/4&quot;</td>
<td>59&quot;</td>
<td>151</td>
<td>22.6&quot;</td>
<td>7.3&quot;</td>
<td>69</td>
<td>85</td>
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</table>
J SERIES
EFFLUENT / SUMP
DEWATERING PUMPS

APPLICATIONS
RAIN AND RUN OFF ● PONDS ● IRRIGATION ● DIRTY WATER ● EFFLUENT WASTEWATER

Design and Construction
• Pumps are engineered and constructed to provide reliable sump water and effluent transfer.
• Side discharge to achieve maximum flow rates.
• J series pumps are versatile. Available in cast iron or 316SS.
• Model J1500 is available in a high flow or high head version; almost 80ft. of head from a 2 HP pump.

Superior motor protection
• Lip seal and double mechanical seals. Lower seal is silicon carbide/silicon carbide and upper seal is carbon/ceramic.
• Seal Minder® (moisture detection circuit) is available on models J750 and J1500. Seal Minder helps prevent costly motor repairs.
• Built-in high temperature automatic overload switch protects against motor failure due to overheating.

SINGLE PHASE 60Hz J-SERIES PUMPS:

<table>
<thead>
<tr>
<th>MODEL</th>
<th>DISH SIZE</th>
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<th>VOLT</th>
<th>PHASE</th>
<th>RPM</th>
<th>RATED AMPS</th>
<th>MAX SOLIDS</th>
<th>MAX HEAD</th>
<th>MAX GPM</th>
<th>HEIGHT</th>
<th>WIDTH</th>
<th>PUMP WEIGHT LBS.</th>
<th>EST. SHIP WEIGHT LBS.</th>
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<td>1</td>
<td>3450</td>
<td>7.6/3.8</td>
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<td>35”</td>
<td>66</td>
<td>15.7”</td>
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<td>32</td>
<td>38</td>
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<tr>
<td>J750</td>
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<td>1</td>
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<td>1</td>
<td>3450</td>
<td>14 / 7</td>
<td>3/16”</td>
<td>50”</td>
<td>91</td>
<td>17.3”</td>
<td>11.2”</td>
<td>55</td>
<td>66</td>
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</table>
SV SERIES
SOLIDS HANDLING / TRASH PUMPS

APPLICATIONS
SEWAGE AND SEPTIC WASTES ● ANIMAL WASTES ● PONDS ● COLLECTION PITS AND SUMPS ● EFFLENT WASTEWATER

Design and Construction
• SV pumps are designed to pass mud, raw sewage, leaves, rags, wood chips, stringy and other solids without clogging.
• Constructed with a cast iron volute and fully recessed vortex impeller for pumping solids without clogging.
• Rugged construction (no breakable plastic components) and light weight make them portable and tough enough to stand up to job site handling.

Superior motor protection
• Lip seal and double mechanical seals. Lower seal is silicon carbide/silicon carbide and upper seal is carbon/ceramic.

• Seal Minder® (moisture detection circuit) is available on models SV750C and SV1500. Seal Minder® helps prevent costly motor repairs.
• Built-in high temperature automatic overload switch protects against motor failure due to overheating.

SINGLE PHASE 60Hz SV-SERIES PUMPS:

<table>
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<tr>
<th>MODEL</th>
<th>DISH SIZE</th>
<th>H.P.</th>
<th>VOLT</th>
<th>PHASE</th>
<th>RPM</th>
<th>RATED AMPS</th>
<th>MAX SOLIDS</th>
<th>MAX HEAD</th>
<th>MAX GPM</th>
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<td>SV750C</td>
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<td>115/230</td>
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<tr>
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<td>14</td>
<td>2.5&quot;</td>
<td>29&quot;</td>
<td>171</td>
<td>23.6&quot;</td>
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</tbody>
</table>

Specifications subject to change without notice.
• Hard metal submersible dewatering pump

• Designed and constructed for dewatering sand, silt, coal fines and abrasive light slurries

• Chrome iron impeller and wear plate

• Hardened ductile iron agitator and volute

• Built-in agitator mixes settled solids with pump water to restore sump or basin volume

• Light-weight

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**APPLICATIONS**

ROCK / SAND PLANTS ● COAL PREP PLANTS ● LIME SLAKE PITS ● CONSTRUCTION SITES ● GRIT CHAMBERS ● DRILL MUD ● MINES ● ASH SUMPS ● COAL SUMPS

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**THE MOP-UP PUMP**

**APPLICATIONS**

WET BASEMENTS/PLAY AREAS

INDUSTRIAL SPILL AND FLOOD CLEANUP

• Pumps down to 1/12 inch

• Built-in check valve prevents “back flow”

• Lightweight and portable

• Rubber-clad bottom protects floor

• Same construction features as model R400

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**TABLES**

**LWA SERIES**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>DISH SIZE</th>
<th>H.P.</th>
<th>VOLT</th>
<th>PHASE</th>
<th>RPM</th>
<th>RATED AMPS</th>
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<td>3450</td>
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<td>181</td>
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<td>LWA2200</td>
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<td>72”</td>
<td>188</td>
<td>26.7”</td>
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**R400D**

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<th>MODEL</th>
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<th>RPM</th>
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<th>MAX SOLIDS</th>
<th>MAX HEAD</th>
<th>MAX GPM</th>
<th>HEIGHT</th>
<th>WIDTH</th>
<th>PUMP WEIGHT LBS.</th>
<th>EST. SHIP WEIGHT LBS.</th>
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<td>1</td>
<td>3450</td>
<td>7.6</td>
<td>1/12”</td>
<td>36”</td>
<td>50</td>
<td>14.6”</td>
<td>7”</td>
<td>29</td>
<td>33</td>
</tr>
</tbody>
</table>
BJM pumps may be ordered with a liquid level float switch that controls the pump motor operation. When liquid level rises, the motor is turned on; when it drops below a specified level, the switch turns the motor off.

**QUALITY AND WARRANTIES**

BJM pumps are inspected and factory-tested prior to shipment. BJM pumps are warranted against material and manufacturing defects for 12 months from the date of installation or 18 months from the date of shipment from BJM Pumps.