DATA SHEET
VERTICAL MULTISTAGE PUMP

316 Stainless Steel Model: 8S64K1S9T1F

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Size</th>
<th>300# ANSI raised face 4.00”</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suction</td>
<td>Discharge</td>
</tr>
<tr>
<td>HP</td>
<td>10 HP</td>
</tr>
<tr>
<td>RPM</td>
<td>3450 RPM</td>
</tr>
<tr>
<td>Liquid handled</td>
<td>Clean water (for other clean liquids, consult factory)</td>
</tr>
<tr>
<td>Temperature</td>
<td>5° to +248°F (-15° to 120°C)</td>
</tr>
<tr>
<td>Working pressure</td>
<td>232 psi (16 bar) max.</td>
</tr>
<tr>
<td>Materials</td>
<td></td>
</tr>
<tr>
<td>Impeller</td>
<td>AISI 316</td>
</tr>
<tr>
<td>Intermediate casing</td>
<td>AISI 316</td>
</tr>
<tr>
<td>Bottom casing</td>
<td>AISI 316</td>
</tr>
<tr>
<td>Casing cover</td>
<td>AISI 316</td>
</tr>
<tr>
<td>Outer casing</td>
<td>AISI 316</td>
</tr>
<tr>
<td>Shaft</td>
<td>AISI 316L</td>
</tr>
<tr>
<td>Liner ring</td>
<td>PTFE/AISI 316</td>
</tr>
<tr>
<td>Motor bracket</td>
<td>Cast iron/AISI 316</td>
</tr>
<tr>
<td>Base</td>
<td>Cast iron/AISI 316</td>
</tr>
<tr>
<td>Lower Pump Bearings</td>
<td>Tungsten carbide</td>
</tr>
<tr>
<td>Mechanical seal</td>
<td>Silicon/Carbide/Carbon/FPM</td>
</tr>
<tr>
<td>Motor</td>
<td></td>
</tr>
<tr>
<td>Type</td>
<td>NEMA 215TC frame, TEFC</td>
</tr>
<tr>
<td>Speed</td>
<td>60 Hz, 3450 RPM (2 poles)</td>
</tr>
<tr>
<td>Single Phase</td>
<td>230V</td>
</tr>
<tr>
<td>Direction of Rotation</td>
<td>Clockwise when viewed from motor end</td>
</tr>
<tr>
<td>Test standard</td>
<td>ISO 9906 annex A</td>
</tr>
<tr>
<td>Weight</td>
<td></td>
</tr>
<tr>
<td>Pump</td>
<td>179 lbs</td>
</tr>
<tr>
<td>Motor</td>
<td>167 lbs</td>
</tr>
</tbody>
</table>

NOTE: See PN 99SVM001 for complete operating instructions, installation and maintenance manual information.
PERFORMANCE CURVE – 3450 RPM
395 gpm, 105 Ft/Hd
### Parts List

<table>
<thead>
<tr>
<th>Item</th>
<th>Number</th>
<th>Matl</th>
<th>Description</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>900</td>
<td>—</td>
<td>—</td>
<td>Motor, Electric (not shown)</td>
<td>1</td>
</tr>
<tr>
<td>901</td>
<td>—</td>
<td>SS</td>
<td>Ring, Snap, C-type</td>
<td>1</td>
</tr>
<tr>
<td>902</td>
<td>—</td>
<td>STL</td>
<td>Spacer</td>
<td>1</td>
</tr>
<tr>
<td>903</td>
<td>—</td>
<td>SS</td>
<td>Ring, Snap, C-type</td>
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<tr>
<td>904</td>
<td>—</td>
<td></td>
<td>Bearing, Ball</td>
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</tr>
<tr>
<td>906</td>
<td>—</td>
<td>STL</td>
<td>Coupling, Lower (2-piece)</td>
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<tr>
<td>907</td>
<td>—</td>
<td>STL</td>
<td>Screw, Set</td>
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</tr>
<tr>
<td>908</td>
<td>—</td>
<td>STZP</td>
<td>Screws, Coupler</td>
<td>2</td>
</tr>
<tr>
<td>909</td>
<td>—</td>
<td>F</td>
<td>Housing, Bearing</td>
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</tr>
<tr>
<td>910</td>
<td>—</td>
<td>STL</td>
<td>Key (Not Shown)</td>
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</tr>
<tr>
<td>911</td>
<td>—</td>
<td>SS</td>
<td>Cover, Suction</td>
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</tr>
<tr>
<td>912</td>
<td>—</td>
<td>FSC</td>
<td>Seal, Mechanical</td>
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</tr>
<tr>
<td>914</td>
<td>—</td>
<td>STZP</td>
<td>Rods, Tie</td>
<td>4</td>
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<tr>
<td>915</td>
<td>—</td>
<td>STZP</td>
<td>Nuts, Tie Rod</td>
<td>4</td>
</tr>
<tr>
<td>916</td>
<td>—</td>
<td>STZP</td>
<td>Washers, Tie Rod</td>
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<tr>
<td>917</td>
<td>—</td>
<td>S</td>
<td>Guard, Coupling</td>
<td>2</td>
</tr>
<tr>
<td>918</td>
<td>—</td>
<td>S</td>
<td>Screws, Coupling Guard</td>
<td>2</td>
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<tr>
<td>919</td>
<td>—</td>
<td>F</td>
<td>Bracket, Motor</td>
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</tr>
<tr>
<td>919B</td>
<td>—</td>
<td>STZP</td>
<td>Screws, Bearing Housing</td>
<td>4</td>
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<tr>
<td>920</td>
<td>—</td>
<td>SS</td>
<td>Plug, Vent</td>
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</tr>
<tr>
<td>921</td>
<td>—</td>
<td>SS</td>
<td>Washer, Vent Plug</td>
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<td>922</td>
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<td>FPM</td>
<td>O-Ring, Vent Plug</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Item</th>
<th>Number</th>
<th>Matl</th>
<th>Description</th>
<th>QTY</th>
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<tbody>
<tr>
<td>924</td>
<td>—</td>
<td>SSL</td>
<td>Shaft</td>
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<td>925</td>
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<td>SS</td>
<td>Nut, Impeller (not shown)</td>
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<tr>
<td>926</td>
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<td>SS</td>
<td>Casting, Outer</td>
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<tr>
<td>927</td>
<td>—</td>
<td>FPM</td>
<td>O-Ring, Outer Casing</td>
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<tr>
<td>928</td>
<td>—</td>
<td>SS</td>
<td>Plug, Drain</td>
<td>4</td>
</tr>
<tr>
<td>928A</td>
<td>—</td>
<td>SS</td>
<td>Washer, Drain Plug</td>
<td>4</td>
</tr>
<tr>
<td>928B</td>
<td>—</td>
<td>FPM</td>
<td>O-Ring, Drain Plug</td>
<td>4</td>
</tr>
<tr>
<td>929</td>
<td>—</td>
<td>SS</td>
<td>Casing, Bottom</td>
<td>1</td>
</tr>
<tr>
<td>929A</td>
<td>—</td>
<td>F</td>
<td>Base</td>
<td>1</td>
</tr>
<tr>
<td>929B</td>
<td>—</td>
<td>—</td>
<td>Pin (Shaft)</td>
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<tr>
<td>929C</td>
<td>—</td>
<td>STL</td>
<td>Flange, Pump</td>
<td>2</td>
</tr>
<tr>
<td>929D</td>
<td>—</td>
<td>STL</td>
<td>Ring, Adjusting</td>
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</tr>
<tr>
<td>930</td>
<td>—</td>
<td>—</td>
<td>Kit, Seal (Includes mechanical seal and 2 outer casing O-Rings)</td>
<td>1</td>
</tr>
<tr>
<td>931</td>
<td>—</td>
<td>—</td>
<td>Kit, Hydraulic</td>
<td>1</td>
</tr>
</tbody>
</table>

**Italics are optional items.**

**Material Codes (Not part of part number):**
- **F**: Cast Iron
- **FPM**: Fluorocarbon
- **FSC**: FPM w/Silicon Carbide
- **S**: 304 Stainless Steel
- **SS**: 316 Stainless Steel
- **SSL**: 316SS/Low Carbon
- **STL**: Steel
- **STZP**: Steel/Zinc Plated

900 Motor not shown
* All air must be purged out before operation to prevent seal damage.

CAUTIONS AND WARNINGS
All High-Pressure Systems require a primary pressure regulating device (i.e. regulator, unloader) and a secondary pressure relief device (i.e. pop-off valve, relief valve). Failure to install such relief devices could result in personal injury or damage to pump or property. Cat Pumps does not assume any liability or responsibility for the operation of a customer’s high pressure system. Read all CAUTIONS and WARNINGS before commencing service or operation of any high pressure system. The CAUTIONS and WARNINGS are included in each service manual and with each Accessory Data sheet. CAUTIONS and WARNINGS can also be viewed online at www.catpumps.com/cautions-warnings or can be requested directly from Cat Pumps.

WARRANTY
View the Limited Warranty on-line at www.catpumps.com/warranty.