8K Series Pumps
Stainless Steel Multistage Centrifugal Pumps

Product Quality, Reliability and Support You Expect

www.lenntech.com
Designed for long-life and trouble free service, the 8K series are a superior line of multistage centrifugal pumps. Originally engineered for booster, water purification, and hot water applications, many other industries have adopted this product due to its reliable performance.

The 8K series are truly an industrial grade pump, consisting of 304 or 316 SS hydraulic assemblies constructed with cast stainless steel flanges for maximum installation support. Different mechanical seal face options are available and incorporate a separate thrust bearing in place of motor bearings, adding to the robust design of this product. The 8K also features tungsten carbide lower pump bearings and sleeves – standard construction for all services, providing maximum operating life. Count on the 8K to get the job done.

**Features:**
- All stainless steel wetted parts (8K, 8KC feature 304SS – 8KS feature 316SS)
- All Viton elastomers (other materials available for special applications)
- Available with standard NEMA motors
- Built in thrust bearing allows the use of standard off the shelf motors without the need for stack adjustment (3HP and larger)
- Air vent located at the top of casing cover prevents air entrapment causing run dry conditions during start up
- Dimensions and flanges built to industry standards to allow easy retrofit of existing systems
- Optional cartridge size on 32, 45 and 64 series
- Reinforced Impellers and bowls eliminates flexing during operation

**Applications:**
- Water Boosting
- Water Supply
- Reverse Osmosis
- Washing Systems
- Boiler Feed
- Fire Misting
- Water Treatment
- Irrigation
- Sprinkler Systems
- Heat Exchangers
- Filtration
- Jockey Pump Service
- Circulation Systems

**Materials:**
- 8K – 304SS
- 8KC – 304SS/Cast Iron
- 8KS – 316 SS

**Part Number Breakdown:**

<table>
<thead>
<tr>
<th>8K</th>
<th>2 - 2</th>
<th>E</th>
<th>0050</th>
<th>T</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vertical Multistage</td>
<td>8K - 304SS</td>
<td>8KC - 304SS/Cast Iron</td>
<td>8KS - 316SS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Frame Size</td>
<td>Number of Stages</td>
<td>Horsepower</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1 = Single Phase
3 = Three Phase
D = Open Drip Proof (ODP)
T = Totally Enclosed Fan Cooled (TEFC)

Horsepower:
- 0050 = 1/2 HP
- 0075 = 3/4 HP
- 0100 = 1.0 HP
- 0150 = 1.5 HP
- 0200 = 2.0 HP
- 0300 = 3.0 HP
- 0500 = 5.0 HP
- 0750 = 7.5 HP
- 1000 = 10 HP
- 1500 = 15 HP
- 2000 = 20 HP
- 3000 = 30 HP
- 4000 = 40 HP
- 5000 = 50 HP

For more information, contact us at +31-152-610-900 | lenntech.com
Model: 8K/8KC/8KS Selection Chart

60 Hz • Synchronous Speed 3450 RPM

For more information, contact us at +31-152-610-900 or lenntech.com.
8K/8KS 3-Series Performance Curves

0.5 HP - 5 HP • Synchronous Speed 3450 RPM • 250# ANSI 1-1/4" 4-Bolt

Water Temperature: 68° F (20° C)
8K/8KS 5-Series Performance Curves

0.75 HP - 7.5 HP • Synchronous Speed 3450 RPM • 250# ANSI 1-1/4" 4-Bolt

For more information, contact us at +31-152-610-900 • lenntech.com
8K/8KS 10-Series Performance Curves
1.5 HP - 15 HP • Synchronous Speed 3450 RPM • 250# ANSI 2" 8-Bolt

Water Temperature: 68° F (20° C)

For more information, contact us at 1/30 2/2 7/2 8/2 lenntech com
8KC/8KS 32-Series Performance Curves

5 HP - 15 HP • Synchronous Speed 3500 RPM • 150# ANSI 2-1/2" 4-Bolt
20 HP - 40 HP • Synchronous Speed 3500 RPM • 300# ANSI 2-1/2" 8-Bolt
8KC/8KS 45-Series Performance Curves

7.5 HP - 25 HP • Synchronous Speed 3500 RPM • 150# ANSI 3” 4-Bolt
30 HP - 50 HP • Synchronous Speed 3500 RPM • 300# ANSI 3” 8-Bolt

For more information, contact us at +31-152-610-900 • lenntech.com
8KC/8KS 64-Series Performance Curves

10 HP - 50 HP • Synchronous Speed 3500 RPM • 300# ANSI 4" 8-Bolt

For more information, contact us at +31-152-610-900 • lenntech.com
Additional Centrifugal Pumps

304 Stainless Steel Casing

Centrifugal pumps offer solutions for high-flow, low-pressure industrial pumping needs. Typical fluids pumped include fresh water or liquids with some suspended solids. Below is a sampling of popular centrifugal models that include the pump, seal and motor. Most of the pumps listed are rated at 3450 rpm, but many models are available at 1725 rpm.

### Submersible Pumps with Integral Motor and Seal*

<table>
<thead>
<tr>
<th>PUMP MODEL</th>
<th>MAXIMUM FLOW gpm</th>
<th>MAXIMUM PRESSURE psi</th>
<th>HORSEPOWER hp</th>
<th>PHASE/VOLTAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1K100</td>
<td>45</td>
<td>10</td>
<td>0.3</td>
<td>1PH / 115V**</td>
</tr>
<tr>
<td>1K201</td>
<td>73</td>
<td>17</td>
<td>0.5</td>
<td>1PH / 115V**</td>
</tr>
<tr>
<td>1K203</td>
<td>73</td>
<td>17</td>
<td>0.5</td>
<td>1PH / 115V**</td>
</tr>
<tr>
<td>1K205</td>
<td>73</td>
<td>17</td>
<td>0.5</td>
<td>3PH / 460V***</td>
</tr>
<tr>
<td>1K301</td>
<td>74</td>
<td>21</td>
<td>0.8</td>
<td>1PH / 115V**</td>
</tr>
<tr>
<td>1K303</td>
<td>74</td>
<td>21</td>
<td>0.8</td>
<td>1PH / 115V**</td>
</tr>
<tr>
<td>1K305</td>
<td>74</td>
<td>21</td>
<td>0.8</td>
<td>3PH / 460V***</td>
</tr>
<tr>
<td>2K102</td>
<td>88</td>
<td>9</td>
<td>0.6</td>
<td>1PH / 230V***</td>
</tr>
<tr>
<td>2K103</td>
<td>88</td>
<td>9</td>
<td>0.6</td>
<td>1PH / 230V***</td>
</tr>
<tr>
<td>2K200</td>
<td>100</td>
<td>11</td>
<td>1.0</td>
<td>1PH / 115V**</td>
</tr>
<tr>
<td>2K202</td>
<td>100</td>
<td>11</td>
<td>1.0</td>
<td>1PH / 230V***</td>
</tr>
</tbody>
</table>

*Motor side seal is NBR fitted Carbon/Ceramic and impeller side seal is Viton® fitted Silicon Carbide/Silicone Carbide.

**Supplied with automatic float switch

***Manual models, no float switch

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### End-Suction Motorized Units with TEFC 56J NEMA Motor

38 to 63 gpm (144 to 238 lpm)

<table>
<thead>
<tr>
<th>PUMP MODEL</th>
<th>MAXIMUM FLOW gpm</th>
<th>MAXIMUM PRESSURE psi</th>
<th>HORSEPOWER hp</th>
<th>PHASE/VOLTAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>3K132WT0</td>
<td>38</td>
<td>62</td>
<td>2.0</td>
<td>1PH / 115/208-230V</td>
</tr>
<tr>
<td>3K132WT3</td>
<td>38</td>
<td>62</td>
<td>2.0</td>
<td>3PH / 208-230/460V</td>
</tr>
<tr>
<td>3K392BT3</td>
<td>52</td>
<td>13</td>
<td>0.5</td>
<td>3PH / 208-230/460V</td>
</tr>
<tr>
<td>3K142WT0</td>
<td>63</td>
<td>32</td>
<td>2.2</td>
<td>1PH / 115/208-230V</td>
</tr>
<tr>
<td>3K142WT3</td>
<td>63</td>
<td>32</td>
<td>2.2</td>
<td>3PH / 208-230/460V</td>
</tr>
<tr>
<td>3K152WT0</td>
<td>63</td>
<td>44</td>
<td>3.0</td>
<td>1PH / 115/208-230V</td>
</tr>
<tr>
<td>3K152WT3</td>
<td>63</td>
<td>44</td>
<td>3.0</td>
<td>3PH / 208-230/460V</td>
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<tr>
<td>3K162WT3</td>
<td>63</td>
<td>63</td>
<td>4.3</td>
<td>3PH / 208-230/460V</td>
</tr>
</tbody>
</table>

*Note: All motors are rated at 3450 rpm except model 3K392BT3 which is rated at 1725. All models listed are equipped with a Viton®/Carbon/Ceramic chemical resistant seal. Buna-N and high temperature seals are also available.

### End-Suction Motorized Units with TEFC 213/215JM NEMA Motor

153 to 380 gpm (579 to 1,438 lpm)

<table>
<thead>
<tr>
<th>PUMP MODEL</th>
<th>MAXIMUM FLOW gpm</th>
<th>MAXIMUM PRESSURE psi</th>
<th>HORSEPOWER hp</th>
<th>PHASE/VOLTAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>4K142WT3</td>
<td>153</td>
<td>90</td>
<td>0.5</td>
<td>3PH / 208-230/460V</td>
</tr>
<tr>
<td>4K192WT3</td>
<td>250</td>
<td>82</td>
<td>1.0</td>
<td>3PH / 208-230/460V</td>
</tr>
<tr>
<td>4K252WT3</td>
<td>380</td>
<td>84</td>
<td>1.0</td>
<td>3PH / 208-230/460V</td>
</tr>
</tbody>
</table>

*Note: All motors are rated at 3450 rpm. All models listed are equipped with a Viton®/Carbon/Ceramic chemical resistant seal. Buna-N and high temperature seals are also available.

### Self-Priming Motorized Units with TEFC 56J NEMA Motor

18.5 gpm (70 lpm)

<table>
<thead>
<tr>
<th>PUMP MODEL</th>
<th>MAXIMUM FLOW gpm</th>
<th>MAXIMUM PRESSURE psi</th>
<th>HORSEPOWER hp</th>
<th>PHASE/VOLTAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>5K112WT0</td>
<td>18.5</td>
<td>56</td>
<td>1.0</td>
<td>1PH / 115/208-230V</td>
</tr>
<tr>
<td>5K112WT3</td>
<td>18.5</td>
<td>56</td>
<td>1.0</td>
<td>3PH / 208-230/460V</td>
</tr>
<tr>
<td>5K122WT0</td>
<td>18.5</td>
<td>82</td>
<td>2.0</td>
<td>1PH / 115/208-230V</td>
</tr>
<tr>
<td>5K122WT3</td>
<td>18.5</td>
<td>82</td>
<td>2.0</td>
<td>3PH / 208-230/460V</td>
</tr>
</tbody>
</table>

*Note: All motors are rated at 3450 rpm. All models listed are equipped with a Viton®/Carbon/Ceramic chemical resistant seal. Buna-N and high temperature seals are also available.

For more information, contact us at +31-152-610-900 • lenntech.com
Cat Pumps occupies over 145,000 sq. ft. at its world headquarters in Minneapolis, MN.

Cat Pumps Locations

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