**Model VSH**

14x16x17⅓A

**Double Suction Split Case Pump**

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>FLOW</th>
<th>HEAD</th>
<th>HP</th>
<th>RPM</th>
<th>VOLTS</th>
<th>CYCLE</th>
<th>PHASE</th>
<th>ENCLOSURE</th>
<th>APPROX. WEIGHT</th>
<th>SPECIALS</th>
</tr>
</thead>
</table>

**STANDARD MATERIALS OF CONSTRUCTION**

- Cast Iron Bronze Fitted
- Heavy Duty Maintenance Free Bearings
- Alignment Friendly Coupling
- Heavy Duty Groutless Baseplate
- ANSI/OSHA Coupling Guard
- ISO 1940-1:2003 Impeller Balance

**OPTIONAL MATERIALS OF CONSTRUCTION**

- Galvanized Drip Pan
- Spacer Coupling

**TYPE OF SEAL AND WORKING PRESSURE**

- **Standard:** 175 PSIG (12 BAR) max. working pressure, flat face flanges, 125# ANSI flange drilling, Unitized mechanical seal, EPR/Carbon/Silicon Carbide, 125 PSIG (8.5 BAR) max. suction pressure, 0 to 300°F (-18 to 149°C)
- **Optional:** 300 PSIG (20 BAR) max. working pressure, flat face flanges, 250# ANSI flange drilling, Unitized mechanical seal, EPR/Carbon/Silicon Carbide, 125 PSIG (8.5 BAR) max. suction pressure, 0 to 300°F (-18 to 149°C)
- **Optional:** 300 PSIG (20 BAR) max. working pressure, flat face flanges, 250# ANSI flange drilling, balanced mechanical seal, EPR/Graphite loaded Silicon Carbide on Graphite loaded Silicon Carbide, 300 PSIG (20 BAR) max. suction pressure, 0 to 300°F (-18 to 149°C)

---

**Series VSX**

**Bell & Gossett**

14x16x17⅓ A

1180 RPM
**Model VSH**

14x16x17½A

Double Suction Split Case Pump

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>FLOW</th>
<th>HEAD</th>
<th>HP</th>
<th>RPM</th>
<th>VOLTS</th>
<th>CYCLE</th>
<th>PHASE</th>
<th>ENCLOSURE</th>
<th>APPROX. WEIGHT</th>
<th>SPECIALS</th>
</tr>
</thead>
</table>

**STANDARD MATERIALS OF CONSTRUCTION**

- Cast Iron Bronze Fitted
- Heavy Duty Maintenance Free Bearings
- Alignment Friendly Coupling
- Heavy Duty Groutless Baseplate
- ANSI/OSHA Coupling Guard
- ISO 1940-1:2003 Impeller Balance

**OPTIONAL MATERIALS OF CONSTRUCTION**

- Galvanized Drip Pan
- Spacer Coupling

**TYPE OF SEAL AND WORKING PRESSURE**

- **Standard:** 175 PSIG (12 BAR) max. working pressure, flat face flanges, 125# ANSI flange drilling. Unitized mechanical seal, EPR/Carbon/Silicon Carbide, 125 PSIG (8.5 BAR) max. suction pressure, 0 to 300°F (-18 to 149°C)
- **Optional:** 300 PSIG (20 BAR) max. working pressure, flat face flanges, 250# ANSI flange drilling. Unitized mechanical seal, EPR/Carbon/Silicon Carbide, 125 PSIG (8.5 BAR) max. suction pressure, 0 to 300°F (-18 to 149°C)
- **Optional:** 300 PSIG (20 BAR) max. working pressure, flat face flanges, 250# ANSI flange drilling. Balanced mechanical seal, EPR/Graphite loaded Silicon Carbide on Graphite loaded Silicon Carbide, 300 PSIG (20 BAR) max. suction pressure, 0 to 300°F (-18 to 149°C)

---

**Series VSX**

14x16x17½ A
1480 RPM

---

**Bell & Gossett**

xylem
Let's Solve Water
Model VSH
14x16x17½A
Double Suction Split Case Pump

SPECIFICATIONS

FLOW _______ HEAD _______
HP _______ RPM _______
VOLTS _______ CYCLE _______ PHASE _______
ENCLOSURE _______ APPROX. WEIGHT _______
SPECIALS _______

TYPE OF SEAL AND WORKING PRESSURE

- **Standard**: 175 PSIG (12 BAR) max. working pressure, flat face flanges, 125# ANSI flange drilling. Unitized mechanical seal, EPR/Carbon/Silicon Carbide, 125 PSIG (8.5 BAR) max. suction pressure, 0 to 300°F (-18 to 149°C)
- **Optional**: 300 PSIG (20 BAR) max. working pressure, flat face flanges, 250# ANSI flange drilling. Unitized mechanical seal, EPR/Carbon/Silicon Carbide, 125 PSIG (8.5 BAR) max. suction pressure, 0 to 300°F (-18 to 149°C)
- **Optional**: 300 PSIG (20 BAR) max. working pressure, flat face flanges, 250# ANSI flange drilling, balanced mechanical seal, EPR/Graphite loaded Silicon Carbide on graphite loaded Silicon Carbide, 300 PSIG (20 BAR) max. suction pressure, 0 to 300°F (-18 to 149°C)

STANDARD MATERIALS OF CONSTRUCTION

- Cast Iron Bronze Fitted
- Heavy Duty Maintenance Free Bearings
- Alignment Friendly Coupling
- Heavy Duty Groutless Baseplate
- ANSI/OSHA Coupling Guard
- ISO 1940-1:2003 Impeller Balance

OPTIONAL MATERIALS OF CONSTRUCTION

- Galvanized Drip Pan
- Spacer Coupling

---

Series VSX

Bell & Gossett

14x16x17½ A
1780 RPM

---

xylem
Let's Solve Water
Motor dimensions are approximate and vary by manufacturer and motor type.

Distance to the next available hole.

Dimensions are subject to change. Not to be used for construction purposes unless certified.

Units may be built where foot/feet overhang the motor mounting platform. If overhang is unacceptable, consult factory for a custom submittal, quotation and/or lead time. A certified motor drawing will be required.

For all customer supplied motors above 449 NEMA frame, a certified motor drawing must be supplied by the customer at the time of order entry.

Submittal dimensions for motor frames above 449 NEMA are specific to ODP U.S. Electric Motors Only.
Model VSH 14x16x17½A Centrifugal Pump Submittal

**FLANGE DIMENSIONS IN INCHES (MM)**

<table>
<thead>
<tr>
<th>SIZE</th>
<th>THICKNESS</th>
<th>O.D.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Discharge 14&quot;</td>
<td>2.38 (60)</td>
<td>22.38 (569)</td>
</tr>
<tr>
<td>Suction 16&quot;</td>
<td>2.50 (64)</td>
<td>25.00 (635)</td>
</tr>
</tbody>
</table>

**FLANGES ARE 125# ANSI - STANDARD**

**250# ANSI - AVAILABLE**

<table>
<thead>
<tr>
<th>DIMENSIONS IN INCHES (MM)</th>
</tr>
</thead>
<tbody>
<tr>
<td>S</td>
</tr>
<tr>
<td>------</td>
</tr>
<tr>
<td>15.35</td>
</tr>
<tr>
<td>(390)</td>
</tr>
</tbody>
</table>

Removal clearance from end of bracket: 34 Inches (864 mm)

**SPACER COUPLER**

†Motor dimensions are approximate and vary by manufacturer and motor type.
†‡Distance to the next available hole.

<table>
<thead>
<tr>
<th>MOTOR FRAME</th>
<th>CP</th>
<th>HA</th>
<th>HB</th>
<th>HC</th>
<th>HD</th>
<th>2HE</th>
<th>HF</th>
<th>HF</th>
<th>HG</th>
<th>HH</th>
<th>HM</th>
<th>HO</th>
<th>HP</th>
<th>HQ</th>
<th>HR</th>
<th>W</th>
</tr>
</thead>
<tbody>
<tr>
<td>404</td>
<td>50.25</td>
<td>41</td>
<td>108</td>
<td>2743</td>
<td>102.56</td>
<td>36.5</td>
<td>39.12</td>
<td>98</td>
<td>19.6</td>
<td>7</td>
<td>178</td>
<td>113</td>
<td>46.97</td>
<td>54.5</td>
<td>5</td>
<td>127</td>
</tr>
<tr>
<td>405</td>
<td>50.25</td>
<td>41</td>
<td>108</td>
<td>2743</td>
<td>104.56</td>
<td>36.5</td>
<td>39.12</td>
<td>98</td>
<td>19.6</td>
<td>7</td>
<td>178</td>
<td>113</td>
<td>46.97</td>
<td>54.5</td>
<td>5</td>
<td>127</td>
</tr>
<tr>
<td>444</td>
<td>50.25</td>
<td>41</td>
<td>108</td>
<td>2743</td>
<td>110.026</td>
<td>36.5</td>
<td>39.12</td>
<td>98</td>
<td>19.6</td>
<td>7</td>
<td>178</td>
<td>113</td>
<td>46.97</td>
<td>54.5</td>
<td>5</td>
<td>127</td>
</tr>
<tr>
<td>445</td>
<td>50.25</td>
<td>41</td>
<td>108</td>
<td>2743</td>
<td>110.63</td>
<td>36.5</td>
<td>39.12</td>
<td>98</td>
<td>19.6</td>
<td>7</td>
<td>178</td>
<td>113</td>
<td>46.97</td>
<td>54.5</td>
<td>5</td>
<td>127</td>
</tr>
<tr>
<td>447</td>
<td>50.25</td>
<td>41</td>
<td>108</td>
<td>2743</td>
<td>118.11</td>
<td>38.88</td>
<td>38</td>
<td>98</td>
<td>24.5</td>
<td>622</td>
<td>7</td>
<td>178</td>
<td>113</td>
<td>46.97</td>
<td>54.5</td>
<td>5</td>
</tr>
<tr>
<td>449</td>
<td>50.25</td>
<td>41</td>
<td>108</td>
<td>2743</td>
<td>118.81</td>
<td>38.88</td>
<td>38</td>
<td>98</td>
<td>24.5</td>
<td>622</td>
<td>7</td>
<td>178</td>
<td>113</td>
<td>46.97</td>
<td>54.5</td>
<td>5</td>
</tr>
<tr>
<td>†‡ 5008MS</td>
<td>50.25</td>
<td>41</td>
<td>108</td>
<td>2743</td>
<td>114.63</td>
<td>38.88</td>
<td>38</td>
<td>98</td>
<td>24.5</td>
<td>622</td>
<td>7</td>
<td>178</td>
<td>113</td>
<td>46.97</td>
<td>54.5</td>
<td>5</td>
</tr>
<tr>
<td>†‡ 5010MS</td>
<td>50.25</td>
<td>41</td>
<td>108</td>
<td>2743</td>
<td>121.13</td>
<td>38.88</td>
<td>38</td>
<td>98</td>
<td>24.5</td>
<td>622</td>
<td>7</td>
<td>178</td>
<td>113</td>
<td>46.97</td>
<td>54.5</td>
<td>5</td>
</tr>
<tr>
<td>†‡ 5012MS</td>
<td>50.25</td>
<td>41</td>
<td>108</td>
<td>2743</td>
<td>129.13</td>
<td>38.88</td>
<td>38</td>
<td>98</td>
<td>24.5</td>
<td>622</td>
<td>7</td>
<td>178</td>
<td>113</td>
<td>46.97</td>
<td>54.5</td>
<td>5</td>
</tr>
<tr>
<td>†‡ 5807S</td>
<td>50.25</td>
<td>41</td>
<td>108</td>
<td>2743</td>
<td>124.75</td>
<td>38.88</td>
<td>38</td>
<td>98</td>
<td>24.5</td>
<td>622</td>
<td>7</td>
<td>178</td>
<td>113</td>
<td>46.97</td>
<td>54.5</td>
<td>5</td>
</tr>
<tr>
<td>†‡ 5809S</td>
<td>50.25</td>
<td>41</td>
<td>108</td>
<td>2743</td>
<td>131.75</td>
<td>38.88</td>
<td>38</td>
<td>98</td>
<td>24.5</td>
<td>622</td>
<td>7</td>
<td>178</td>
<td>113</td>
<td>46.97</td>
<td>54.5</td>
<td>5</td>
</tr>
<tr>
<td>†‡ 5811S</td>
<td>50.25</td>
<td>41</td>
<td>108</td>
<td>2743</td>
<td>139.75</td>
<td>38.88</td>
<td>38</td>
<td>98</td>
<td>24.5</td>
<td>622</td>
<td>7</td>
<td>178</td>
<td>113</td>
<td>46.97</td>
<td>54.5</td>
<td>5</td>
</tr>
<tr>
<td>†‡ 5811MS</td>
<td>50.25</td>
<td>41</td>
<td>108</td>
<td>2743</td>
<td>151.69</td>
<td>38.88</td>
<td>38</td>
<td>98</td>
<td>24.5</td>
<td>622</td>
<td>7</td>
<td>178</td>
<td>113</td>
<td>46.97</td>
<td>54.5</td>
<td>5</td>
</tr>
<tr>
<td>†‡ 5812M+</td>
<td>50.25</td>
<td>41</td>
<td>108</td>
<td>2743</td>
<td>156.69</td>
<td>38.88</td>
<td>38</td>
<td>98</td>
<td>24.5</td>
<td>622</td>
<td>7</td>
<td>178</td>
<td>113</td>
<td>46.97</td>
<td>54.5</td>
<td>5</td>
</tr>
</tbody>
</table>

Dimensions are subject to change. Not to be used for construction purposes unless certified.

Units may be built where foot/feet overhang the motor mounting platform. If overhang is unacceptable, consult factory for a custom submittal, quotation and/or lead time. A certified motor drawing will be required.

† For all customer supplied motors above 449 NEMA frame, a certified motor drawing must be supplied by the customer at the time of order entry.
‡ Submittal dimensions for motor frames above 449 NEMA are specific to ODP U.S. Electric Motors Only.

These dimensions are valid when using the Woods Duraflex spacer coupling option. For dimensions on Falk SteelFlex coupling options, consult factory for a special submittal drawing.