Model VSC
14x16x17½A
Double Suction Split Case Pump

SPECIFICATIONS

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

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)
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# Model VSC

## 14x16x17½A

Double Suction Split Case Pump

### Specifications

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
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<tbody>
<tr>
<td><strong>Model</strong></td>
<td>VSC</td>
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<tr>
<td><strong>Impeller</strong></td>
<td>14x16x17½A</td>
</tr>
<tr>
<td><strong>Type</strong></td>
<td>Double Suction Split Case Pump</td>
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</tbody>
</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

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### Performance Chart

![Series VSX Performance Chart](chart.png)
Model VSC 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>
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</tbody>
</table>

### FLANGES ARE 125# ANSI - STANDARD

<table>
<thead>
<tr>
<th>SIZE</th>
<th>Thickness</th>
<th>O.D.</th>
</tr>
</thead>
<tbody>
<tr>
<td>250# ANSI - AVAILABLE</td>
<td></td>
<td></td>
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</table>

### DIMENSIONS IN INCHES (MM)

<table>
<thead>
<tr>
<th>S</th>
<th>X</th>
<th>Z</th>
</tr>
</thead>
<tbody>
<tr>
<td>15.35</td>
<td>26.5</td>
<td>15.35</td>
</tr>
<tr>
<td>(390)</td>
<td>(673)</td>
<td>(390)</td>
</tr>
</tbody>
</table>

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

### STANDARD COUPLER

Motor dimensions are approximate and vary by manufacturer and motor type.

Distance to the next available hole.

---

**Motor Frame**

| MOTOR FRAME | CP | HA | HB | H
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>404</td>
<td>50.25 (1276)</td>
<td>41</td>
<td>91 (2311)</td>
<td>87.56 (2224)</td>
</tr>
<tr>
<td>405</td>
<td>50.25 (1276)</td>
<td>41</td>
<td>91 (2311)</td>
<td>89.56 (2275)</td>
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<tr>
<td>444</td>
<td>50.25 (1276)</td>
<td>41</td>
<td>91 (2311)</td>
<td>95.026 (2414)</td>
</tr>
<tr>
<td>445</td>
<td>50.25 (1276)</td>
<td>41</td>
<td>91 (2311)</td>
<td>96.63 (2454)</td>
</tr>
<tr>
<td>447</td>
<td>50.25 (1276)</td>
<td>41</td>
<td>91 (2311)</td>
<td>103.11 (2619)</td>
</tr>
<tr>
<td>449</td>
<td>50.25 (1276)</td>
<td>41</td>
<td>91 (2311)</td>
<td>103.81 (2637)</td>
</tr>
<tr>
<td>† † 5008MS</td>
<td>50.25 (1276)</td>
<td>41</td>
<td>96 (2438)</td>
<td>99.63 (2531)</td>
</tr>
<tr>
<td>† † 5010MS</td>
<td>50.25 (1276)</td>
<td>41</td>
<td>108 (2743)</td>
<td>106.13 (2696)</td>
</tr>
<tr>
<td>† † 5012MS</td>
<td>50.25 (1276)</td>
<td>41</td>
<td>108 (2743)</td>
<td>114.13 (2899)</td>
</tr>
<tr>
<td>† † 5807S</td>
<td>50.25 (1276)</td>
<td>41</td>
<td>110.50 (2807)</td>
<td>109.75 (2788)</td>
</tr>
<tr>
<td>† † 5809S</td>
<td>50.25 (1276)</td>
<td>41</td>
<td>110.50 (2807)</td>
<td>116.75 (2965)</td>
</tr>
<tr>
<td>† † 5811S</td>
<td>50.25 (1276)</td>
<td>41</td>
<td>110.50 (2807)</td>
<td>124.75 (3169)</td>
</tr>
<tr>
<td>† † 5811M+</td>
<td>50.25 (1276)</td>
<td>41</td>
<td>110.50 (2807)</td>
<td>136.69 (3472)</td>
</tr>
<tr>
<td>† † 5812M+</td>
<td>50.25 (1276)</td>
<td>41</td>
<td>110.50 (2807)</td>
<td>141.69 (3599)</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.
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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.