Model VSH
10x12x17½A
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, 160 PSIG (10.9 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, 160 PSIG (10.9 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)
Model VSH
10x12x17½A
Double Suction Split Case Pump

Specifications

<table>
<thead>
<tr>
<th>Flow</th>
<th>Head</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hp</th>
<th>RPM</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Volts</th>
<th>Cycle</th>
<th>Phase</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Enclosure</th>
<th>Approx. Weight</th>
<th>Specials</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</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
- Standard: 175 PSIG (12 BAR) max. working pressure, flat face flanges, 125# ANSI flange drilling, Unitized mechanical seal, EPR/Carbon/Silicon Carbide, 160 PSIG (10.9 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, 160 PSIG (10.9 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)

Diagram showing Series VSX 10x12x17½A 1480 RPM performance characteristics.
Model VSH
10x12x17½A
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, 160 PSIG (10.9 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, 160 PSIG (10.9 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)
Motor dimensions are approximate and vary by manufacturer and motor type.

*Distance to the next available hole.
**Model VSH 10x12x17½A 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 10&quot;</td>
<td>2.13 (54)</td>
<td>17.00 (432)</td>
</tr>
<tr>
<td>Suction 12&quot;</td>
<td>2.25 (57)</td>
<td>20.25 (514)</td>
</tr>
</tbody>
</table>

**FLANGES ARE 125# ANSI - STANDARD**

250# ANSI - AVAILABLE

**DIMENSIONS IN INCHES (MM)**

<table>
<thead>
<tr>
<th>S</th>
<th>VH</th>
<th>X</th>
<th>YY</th>
<th>Z</th>
</tr>
</thead>
<tbody>
<tr>
<td>13</td>
<td>15.5</td>
<td>22</td>
<td>22</td>
<td>13</td>
</tr>
<tr>
<td>(330)</td>
<td>(394)</td>
<td>(559)</td>
<td>(559)</td>
<td>(330)</td>
</tr>
</tbody>
</table>

Removal clearance from end of bracket: 30 Inches (762 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>DIMENSIONS - INCHES (mm) FOR SPACER COUPLER</th>
</tr>
</thead>
<tbody>
<tr>
<td>CP</td>
<td>HA</td>
</tr>
<tr>
<td>365</td>
<td>42.12</td>
</tr>
<tr>
<td>404</td>
<td>42.12</td>
</tr>
<tr>
<td>405</td>
<td>42.12</td>
</tr>
<tr>
<td>444</td>
<td>42.12</td>
</tr>
<tr>
<td>445</td>
<td>42.12</td>
</tr>
<tr>
<td>447</td>
<td>42.12</td>
</tr>
<tr>
<td>449</td>
<td>42.12</td>
</tr>
<tr>
<td>†† 5008MS</td>
<td>42.12</td>
</tr>
<tr>
<td>†† 5010MS</td>
<td>42.12</td>
</tr>
<tr>
<td>†† 5807S</td>
<td>42.12</td>
</tr>
<tr>
<td>†† 5809S</td>
<td>42.12</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.