Model VSH
6x8x13½B
Double Suction Split Case Pump

SPECIFICATIONS
FLOW    HEAD
HP       RPM
VOLTS    PHASE
CYCLE    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, 175 PSIG (12 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/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 6x8x13½B
Double Suction Split Case Pump

SPECIFICATIONS

<table>
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<tr>
<th>FLOW</th>
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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, 175 PSIG (12 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, 200 PSIG (13.7 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 6x8x13½B 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, 175 PSIG (12 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, 300 PSIG (20 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**

![Graph showing performance characteristics of the pump](image)
Model VSH 6x8x13½B 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</td>
<td>6&quot;</td>
<td>1.69 (43)</td>
</tr>
<tr>
<td>Suction</td>
<td>8&quot;</td>
<td>1.88 (48)</td>
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**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>
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<tr>
<td>9.21</td>
<td>11</td>
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<td>(234)</td>
<td>(279)</td>
<td>(432)</td>
<td>(432)</td>
<td>(234)</td>
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</tbody>
</table>

Removal clearance from end of bracket: 24 Inches (610 mm)

### STANDARD COUPLER

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

"Distance to the next available hole.

### MOTOR FRAME

#### DIMENSIONS - INCHES (mm) FOR STANDARD COUPLER

<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>HF1</th>
<th>HF2**</th>
<th>HG</th>
<th>HH</th>
<th>HM*</th>
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<th>HQ</th>
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<tr>
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<td>34.48 (876)</td>
<td>25.4 (645)</td>
<td>61 (1549)</td>
<td>60.25 (1520)</td>
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<td>23.52 (597)</td>
<td>51 (1295)</td>
<td>17 (432)</td>
<td>5.25 (133)</td>
<td>0.88 (29)</td>
<td>31.07 (789)</td>
<td>34.25 (870)</td>
<td>5 (127)</td>
<td>4</td>
<td>7.63 (194)</td>
<td>18.93 (481)</td>
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<td>23.25 (591)</td>
<td>23.52 (597)</td>
<td>51 (1295)</td>
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<td>31.07 (789)</td>
<td>34.25 (870)</td>
<td>5 (127)</td>
<td>4</td>
<td>7.63 (194)</td>
<td>18.93 (481)</td>
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<td>23.52 (597)</td>
<td>51 (1295)</td>
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<td>31.07 (789)</td>
<td>34.25 (870)</td>
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<td>23.25 (591)</td>
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<td>51 (1295)</td>
<td>17 (432)</td>
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<td>31.07 (789)</td>
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<td>5.25 (133)</td>
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<td>31.07 (789)</td>
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<tr>
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<td>23.52 (597)</td>
<td>51 (1295)</td>
<td>17 (432)</td>
<td>5.25 (133)</td>
<td>0.88 (29)</td>
<td>31.07 (789)</td>
<td>34.25 (870)</td>
<td>5 (127)</td>
<td>4</td>
<td>7.63 (194)</td>
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<td>404T/TS</td>
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<td>25.4 (645)</td>
<td>70 (1778)</td>
<td>71.79 (1823)</td>
<td>23.25 (591)</td>
<td>23.52 (597)</td>
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<td>5.25 (133)</td>
<td>0.88 (29)</td>
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<td>34.25 (870)</td>
<td>5 (127)</td>
<td>4</td>
<td>7.63 (194)</td>
<td>18.93 (481)</td>
</tr>
<tr>
<td>405T/TS</td>
<td>34.48 (876)</td>
<td>25.4 (645)</td>
<td>70 (1778)</td>
<td>73.79 (1874)</td>
<td>23.25 (591)</td>
<td>23.52 (597)</td>
<td>60 (1524)</td>
<td>15 (381)</td>
<td>5.25 (133)</td>
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<td>7.63 (194)</td>
<td>18.93 (481)</td>
</tr>
<tr>
<td>444T/TS</td>
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<td>25.4 (645)</td>
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<td>23.52 (597)</td>
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<td>34.25 (870)</td>
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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.
Motor dimensions are approximate and vary by manufacturer and motor type.  
**Distance to the next available hole.**

**FLANGE DIMENSIONS IN INCHES (MM)**

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<td>Discharge 6&quot;</td>
<td>1.69 (43)</td>
<td>12.13 (308)</td>
</tr>
<tr>
<td>Suction 8&quot;</td>
<td>1.88 (48)</td>
<td>14.75 (375)</td>
</tr>
</tbody>
</table>

**FLANGES ARE 125# ANSI - STANDARD**

250# ANSI - AVAILABLE

**DIMENSIONS IN INCHES (MM)**

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Removal clearance from end of bracket: 24 Inches (610 mm)

**SPACER COUPLER**

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.

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.