Model VSCS
5x6x13½B
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, 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)

Series VSX
Bell & Gossett
5x6x13½B
1180 RPM

xylem
Let’s Solve Water
# Model VSCS

## 5x6x13½B

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, 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 PSI (20 BAR) max. suction pressure, 0 to 300°F (-18 to 149°C)

---

![Series VSX Chart](chart.png)

**Bell & Gossett**

**5x6x13½B**

1480 RPM

**NPSHr (ft) (m):**

**Output:**

**Capacity (gpm) (lpm):**

**Head (ft) (m):**

**Efficiency (%):**

**Suction Pressure:**

**Suction Temperature:**

**Discharge Temperature:**

**Impeller Balance:**

**Unitized Mechanical Seal:**

**Flat Face Flanges:**

**ANSI Flange Drilling:**

**EPR/Carbon/Silicon Carbide:**

**Graphite loaded Silicon Carbide:**

**Galvanized Drip Pan:**

**Spacer Coupling:**

---

**Bell & Gossett**

Let's Solve Water
Model VSCS
5x6x13½B
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/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, 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 VSCS 5x6x13½B 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>5&quot;</td>
<td>1.63 (41)</td>
</tr>
<tr>
<td>Suction</td>
<td>6&quot;</td>
<td>1.69 (41)</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>8.975</td>
</tr>
<tr>
<td>(228)</td>
</tr>
</tbody>
</table>

Removal clearance from end of bracket: 23 Inches (584 mm)

### STANDARD 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>HF₁</th>
<th>HF₂</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>254T</td>
<td>34.48</td>
<td>25.4</td>
<td>61</td>
<td>58.495</td>
<td>20.75</td>
<td>23.52</td>
<td>51</td>
<td>17</td>
<td>5.25</td>
<td>0.88</td>
<td>28.57</td>
<td>37.75</td>
<td>5</td>
<td>4</td>
<td>7.63</td>
<td>18.93</td>
</tr>
<tr>
<td>256T</td>
<td>34.48</td>
<td>25.4</td>
<td>61</td>
<td>60.245</td>
<td>20.75</td>
<td>23.52</td>
<td>51</td>
<td>17</td>
<td>5.25</td>
<td>0.88</td>
<td>28.57</td>
<td>37.75</td>
<td>5</td>
<td>4</td>
<td>7.63</td>
<td>18.93</td>
</tr>
<tr>
<td>284T/TS</td>
<td>34.48</td>
<td>25.4</td>
<td>61</td>
<td>61.408</td>
<td>20.75</td>
<td>23.52</td>
<td>51</td>
<td>17</td>
<td>5.25</td>
<td>0.88</td>
<td>28.57</td>
<td>37.75</td>
<td>5</td>
<td>4</td>
<td>7.63</td>
<td>18.93</td>
</tr>
<tr>
<td>286T/TS</td>
<td>34.48</td>
<td>25.4</td>
<td>61</td>
<td>62.904</td>
<td>20.75</td>
<td>23.52</td>
<td>51</td>
<td>17</td>
<td>5.25</td>
<td>0.88</td>
<td>28.57</td>
<td>37.75</td>
<td>5</td>
<td>4</td>
<td>7.63</td>
<td>18.93</td>
</tr>
<tr>
<td>324T/TS</td>
<td>34.48</td>
<td>25.4</td>
<td>61</td>
<td>65.725</td>
<td>20.75</td>
<td>23.52</td>
<td>51</td>
<td>17</td>
<td>5.25</td>
<td>0.88</td>
<td>28.57</td>
<td>37.75</td>
<td>5</td>
<td>4</td>
<td>7.63</td>
<td>18.93</td>
</tr>
<tr>
<td>326T/TS</td>
<td>34.48</td>
<td>25.4</td>
<td>61</td>
<td>66.845</td>
<td>20.75</td>
<td>23.52</td>
<td>51</td>
<td>17</td>
<td>5.25</td>
<td>0.88</td>
<td>28.57</td>
<td>37.75</td>
<td>5</td>
<td>4</td>
<td>7.63</td>
<td>18.93</td>
</tr>
<tr>
<td>364T/TS</td>
<td>34.48</td>
<td>25.4</td>
<td>61</td>
<td>68.684</td>
<td>20.75</td>
<td>23.52</td>
<td>51</td>
<td>17</td>
<td>5.25</td>
<td>0.88</td>
<td>28.57</td>
<td>37.75</td>
<td>5</td>
<td>4</td>
<td>7.63</td>
<td>18.93</td>
</tr>
<tr>
<td>365T/TS</td>
<td>34.48</td>
<td>25.4</td>
<td>61</td>
<td>68.684</td>
<td>20.75</td>
<td>23.52</td>
<td>51</td>
<td>17</td>
<td>5.25</td>
<td>0.88</td>
<td>28.57</td>
<td>37.75</td>
<td>5</td>
<td>4</td>
<td>7.63</td>
<td>18.93</td>
</tr>
<tr>
<td>404T/TS</td>
<td>34.48</td>
<td>25.4</td>
<td>70</td>
<td>71.29</td>
<td>20.75</td>
<td>23.52</td>
<td>60</td>
<td>15</td>
<td>5.25</td>
<td>0.88</td>
<td>31.1</td>
<td>37.75</td>
<td>5</td>
<td>4</td>
<td>7.62</td>
<td>18.93</td>
</tr>
<tr>
<td>405T/TS</td>
<td>34.48</td>
<td>25.4</td>
<td>70</td>
<td>73.29</td>
<td>20.75</td>
<td>23.52</td>
<td>60</td>
<td>15</td>
<td>5.25</td>
<td>0.88</td>
<td>31.1</td>
<td>37.75</td>
<td>5</td>
<td>4</td>
<td>7.62</td>
<td>18.93</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.
Model VSCS 5x6x13½B Centrifugal Pump Submittal

**DIMENSIONS IN INCHES (MM)**

<table>
<thead>
<tr>
<th>SIZE</th>
<th>THICKNESS</th>
<th>O.D.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Discharge 5&quot;</td>
<td>1.63 (41)</td>
<td>10.75 (273)</td>
</tr>
<tr>
<td>Suction 6&quot;</td>
<td>1.69 (41)</td>
<td>12.13 (308)</td>
</tr>
</tbody>
</table>

**FLANGE DIMENSIONS IN INCHES (MM)**

<table>
<thead>
<tr>
<th>SPACER COUPLER</th>
</tr>
</thead>
</table>

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.

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.

Xylem Inc.
8200 N. Austin Avenue
Morton Grove, IL 60053
Phone: (847)966-3700
Fax: (847)965-8379
www.bellgossett.com

Bell & Gossett is a trademark of Xylem Inc. or one of its subsidiaries.
© 2013 Xylem Inc.