Model VSC
8x10x10½ A
Double Suction Split Case Pump

Specifications

Flow ________ Head ________
HP ________ RPM ________
Volts ________ Cycle ________
Enclosure ________ Phase ________
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
8x10x10½ A
1180 RPM

Graph showing efficiency and capacity data for the pump model.
Model VSC
8x10x101/2A
Double Suction Split Case Pump

SPECIFICATIONS
FLOW _______ HEAD _________
HP _________ RPM __________
VOLTS __________ CYCLE _______
ENCLOSURE _________ PHASE _______
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)
Model VSC 8x10x10½A
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/Graphite loaded 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/Graphite loaded 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 VSC 8x10x10½A 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 8”</td>
<td>1.88 (48)</td>
<td>14.75 (375)</td>
</tr>
<tr>
<td>Suction 10”</td>
<td>2.13 (54)</td>
<td>17.00 (432)</td>
</tr>
</tbody>
</table>

**FLANGES ARE 125# ANSI - STANDARD**

**250# ANSI - AVAILABLE**

**DIMENSIONS IN INCHES (MM)**

<table>
<thead>
<tr>
<th>S</th>
<th>X</th>
<th>Z</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.97</td>
<td>15.5</td>
<td>8.97</td>
</tr>
<tr>
<td>(228)</td>
<td>(394)</td>
<td>(228)</td>
</tr>
</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.*

**Dimensions vary due to coupler gap based on horse power.**

***Distance to the next available hole.***

---

**Table: 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>
<th>HO</th>
<th>HP</th>
<th>HQ</th>
<th>HR</th>
<th>W</th>
</tr>
</thead>
<tbody>
<tr>
<td>25T</td>
<td>34.8</td>
<td>23.9</td>
<td>61</td>
<td>58.495</td>
<td>23.25</td>
<td>19.9</td>
<td>51</td>
<td>25.5</td>
<td>5.25</td>
<td>1.125</td>
<td>31.07</td>
<td>38.75</td>
<td>5</td>
<td>(127)</td>
<td>3</td>
<td>7.625</td>
</tr>
<tr>
<td>256T</td>
<td>34.8</td>
<td>23.9</td>
<td>61</td>
<td>60.245</td>
<td>23.25</td>
<td>19.9</td>
<td>51</td>
<td>25.5</td>
<td>5.25</td>
<td>1.125</td>
<td>31.07</td>
<td>38.75</td>
<td>5</td>
<td>(127)</td>
<td>3</td>
<td>7.625</td>
</tr>
<tr>
<td>284T/TS</td>
<td>34.8</td>
<td>23.9</td>
<td>61</td>
<td>61.408</td>
<td>23.25</td>
<td>19.9</td>
<td>51</td>
<td>25.5</td>
<td>5.25</td>
<td>1.125</td>
<td>31.07</td>
<td>38.75</td>
<td>5</td>
<td>(127)</td>
<td>3</td>
<td>7.625</td>
</tr>
<tr>
<td>286T/TS</td>
<td>34.8</td>
<td>23.9</td>
<td>61</td>
<td>62.904</td>
<td>23.25</td>
<td>19.9</td>
<td>51</td>
<td>25.5</td>
<td>5.25</td>
<td>1.125</td>
<td>31.07</td>
<td>38.75</td>
<td>5</td>
<td>(127)</td>
<td>3</td>
<td>7.625</td>
</tr>
<tr>
<td>324T/TS</td>
<td>34.8</td>
<td>23.9</td>
<td>61</td>
<td>65.725</td>
<td>23.25</td>
<td>19.9</td>
<td>51</td>
<td>25.5</td>
<td>5.25</td>
<td>1.125</td>
<td>31.07</td>
<td>38.75</td>
<td>5</td>
<td>(127)</td>
<td>3</td>
<td>7.625</td>
</tr>
<tr>
<td>326T/TS</td>
<td>34.8</td>
<td>23.9</td>
<td>61</td>
<td>66.845</td>
<td>23.25</td>
<td>19.9</td>
<td>51</td>
<td>25.5</td>
<td>5.25</td>
<td>1.125</td>
<td>32.35</td>
<td>38.75</td>
<td>5</td>
<td>(127)</td>
<td>3</td>
<td>7.625</td>
</tr>
<tr>
<td>364T/TS</td>
<td>34.8</td>
<td>23.9</td>
<td>61</td>
<td>68.645</td>
<td>23.25</td>
<td>19.9</td>
<td>51</td>
<td>25.5</td>
<td>5.25</td>
<td>1.125</td>
<td>33.2</td>
<td>38.75</td>
<td>5</td>
<td>(127)</td>
<td>3</td>
<td>7.625</td>
</tr>
<tr>
<td>365T/TS</td>
<td>34.8</td>
<td>23.9</td>
<td>61</td>
<td>68.645</td>
<td>23.25</td>
<td>19.9</td>
<td>51</td>
<td>25.5</td>
<td>5.25</td>
<td>1.125</td>
<td>33.2</td>
<td>38.75</td>
<td>5</td>
<td>(127)</td>
<td>3</td>
<td>7.625</td>
</tr>
<tr>
<td>404T/TS</td>
<td>34.8</td>
<td>23.9</td>
<td>61</td>
<td>71.785</td>
<td>23.25</td>
<td>19.9</td>
<td>51</td>
<td>25.5</td>
<td>5.25</td>
<td>1.125</td>
<td>33.72</td>
<td>38.75</td>
<td>5</td>
<td>(127)</td>
<td>4</td>
<td>7.625</td>
</tr>
<tr>
<td>405T/TS</td>
<td>34.8</td>
<td>23.9</td>
<td>61</td>
<td>73.785</td>
<td>23.25</td>
<td>19.9</td>
<td>51</td>
<td>25.5</td>
<td>5.25</td>
<td>1.125</td>
<td>33.72</td>
<td>38.75</td>
<td>5</td>
<td>(127)</td>
<td>4</td>
<td>7.625</td>
</tr>
<tr>
<td>444T/TS</td>
<td>34.8</td>
<td>23.9</td>
<td>61</td>
<td>79.251</td>
<td>23.25</td>
<td>19.9</td>
<td>51</td>
<td>25.5</td>
<td>5.25</td>
<td>1.125</td>
<td>38.77</td>
<td>38.75</td>
<td>5</td>
<td>(127)</td>
<td>4</td>
<td>7.625</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 VSC 8x10x10½A 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>8&quot;</td>
<td>1.88 (48)</td>
<td>14.75 (375)</td>
</tr>
<tr>
<td>10&quot;</td>
<td>2.13 (54)</td>
<td>17.00 (432)</td>
</tr>
</tbody>
</table>

**FLANGES ARE 125# ANSI - STANDARD**

**250# ANSI - AVAILABLE**

**DIMENSIONS IN INCHES (MM)**

<table>
<thead>
<tr>
<th>S</th>
<th>X</th>
<th>Z</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.97</td>
<td>15.5</td>
<td>8.97</td>
</tr>
<tr>
<td>(228)</td>
<td>(394)</td>
<td>(228)</td>
</tr>
</tbody>
</table>

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

**SPACER COUPLER**

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

**Dimensions vary due to coupler gap based on horse power.

Distance to the next available hole.*

**DIMENSIONS - INCHES (mm) FOR SPACER 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>
<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 (876)</td>
<td>23.9</td>
<td>70</td>
<td>69.745 (1772)</td>
<td>23.25 (591)</td>
<td>19.9</td>
<td>60</td>
<td>20</td>
<td>5.25 (133)</td>
<td>5.25</td>
<td>1.125 (29)</td>
<td>31.07</td>
<td>(789)</td>
<td>(984)</td>
<td>5</td>
<td>4</td>
</tr>
<tr>
<td>256T</td>
<td>34.48 (876)</td>
<td>23.9</td>
<td>70</td>
<td>71.495 (1816)</td>
<td>23.25 (591)</td>
<td>19.9</td>
<td>60</td>
<td>20</td>
<td>5.25 (133)</td>
<td>5.25</td>
<td>1.125 (29)</td>
<td>31.07</td>
<td>(789)</td>
<td>(984)</td>
<td>5</td>
<td>4</td>
</tr>
<tr>
<td>284T/TS</td>
<td>34.48 (876)</td>
<td>23.9</td>
<td>70</td>
<td>72.658 (1846)</td>
<td>23.25 (591)</td>
<td>19.9</td>
<td>60</td>
<td>20</td>
<td>5.25 (133)</td>
<td>5.25</td>
<td>1.125 (29)</td>
<td>31.07</td>
<td>(789)</td>
<td>(984)</td>
<td>5</td>
<td>4</td>
</tr>
<tr>
<td>286T/TS</td>
<td>34.48 (876)</td>
<td>23.9</td>
<td>70</td>
<td>74.154 (1884)</td>
<td>23.25 (591)</td>
<td>19.9</td>
<td>60</td>
<td>20</td>
<td>5.25 (133)</td>
<td>5.25</td>
<td>1.125 (29)</td>
<td>31.07</td>
<td>(789)</td>
<td>(984)</td>
<td>5</td>
<td>4</td>
</tr>
<tr>
<td>324T/TS</td>
<td>34.48 (876)</td>
<td>23.9</td>
<td>80</td>
<td>76.975 (1955)</td>
<td>23.25 (591)</td>
<td>19.9</td>
<td>70</td>
<td>23.33</td>
<td>5.25 (133)</td>
<td>5.25</td>
<td>1.125 (29)</td>
<td>31.07</td>
<td>(789)</td>
<td>(984)</td>
<td>5</td>
<td>4</td>
</tr>
<tr>
<td>326T/TS</td>
<td>34.48 (876)</td>
<td>23.9</td>
<td>80</td>
<td>78.095 (1984)</td>
<td>23.25 (591)</td>
<td>19.9</td>
<td>70</td>
<td>23.33</td>
<td>5.25 (133)</td>
<td>5.25</td>
<td>1.125 (29)</td>
<td>31.07</td>
<td>(789)</td>
<td>(984)</td>
<td>5</td>
<td>4</td>
</tr>
<tr>
<td>364T/TS</td>
<td>34.48 (876)</td>
<td>23.9</td>
<td>80</td>
<td>79.934 (2003)</td>
<td>23.25 (591)</td>
<td>19.9</td>
<td>70</td>
<td>23.33</td>
<td>5.25 (133)</td>
<td>5.25</td>
<td>1.125 (29)</td>
<td>31.07</td>
<td>(789)</td>
<td>(984)</td>
<td>5</td>
<td>4</td>
</tr>
<tr>
<td>365T/TS</td>
<td>34.48 (876)</td>
<td>23.9</td>
<td>80</td>
<td>79.934 (2003)</td>
<td>23.25 (591)</td>
<td>19.9</td>
<td>70</td>
<td>23.33</td>
<td>5.25 (133)</td>
<td>5.25</td>
<td>1.125 (29)</td>
<td>31.07</td>
<td>(789)</td>
<td>(984)</td>
<td>5</td>
<td>4</td>
</tr>
<tr>
<td>404T/TS</td>
<td>34.48 (876)</td>
<td>23.9</td>
<td>80</td>
<td>82.536 (2096)</td>
<td>23.25 (591)</td>
<td>19.9</td>
<td>70</td>
<td>23.33</td>
<td>5.25 (133)</td>
<td>5.25</td>
<td>1.125 (29)</td>
<td>31.07</td>
<td>(789)</td>
<td>(984)</td>
<td>5</td>
<td>4</td>
</tr>
<tr>
<td>405T/TS</td>
<td>34.48 (876)</td>
<td>23.9</td>
<td>80</td>
<td>84.535 (2147)</td>
<td>23.25 (591)</td>
<td>19.9</td>
<td>70</td>
<td>23.33</td>
<td>5.25 (133)</td>
<td>5.25</td>
<td>1.125 (29)</td>
<td>31.07</td>
<td>(789)</td>
<td>(984)</td>
<td>5</td>
<td>4</td>
</tr>
<tr>
<td>444T/TS</td>
<td>34.48 (876)</td>
<td>23.9</td>
<td>80</td>
<td>90.001 (2286)</td>
<td>23.25 (591)</td>
<td>19.9</td>
<td>70</td>
<td>23.33</td>
<td>5.25 (133)</td>
<td>5.25</td>
<td>1.125 (29)</td>
<td>31.07</td>
<td>(789)</td>
<td>(984)</td>
<td>5</td>
<td>4</td>
</tr>
<tr>
<td>445T/TS</td>
<td>34.48 (876)</td>
<td>23.9</td>
<td>80</td>
<td>91.605 (2327)</td>
<td>23.25 (591)</td>
<td>19.9</td>
<td>70</td>
<td>23.33</td>
<td>5.25 (133)</td>
<td>5.25</td>
<td>1.125 (29)</td>
<td>31.07</td>
<td>(789)</td>
<td>(984)</td>
<td>5</td>
<td>4</td>
</tr>
</tbody>
</table>

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

Units may be built where foot/foot 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.

© 2016 Xylem Inc.