Model VSC
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, 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).
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- **FLOW**
- **HEAD**
- **HP**
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- **SPECIALS**

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- Galvanized Drip Pan
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- **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)
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FLOW _______ HEAD ________

HP _________ RPM _________

VOLTS __________

CYCLE _______ PHASE _______

ENCLOSURE ___________

APPROX. WEIGHT ___________

SPECIALS _____________

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Series VSX

Bell & Gossett
6x8x13½B
1780 RPM

NPSHr (M)

IN

11.5"

12.5"

13.5"

70% 75%

160

120

10" 20" 40" 60" 80" 100"

Date: 7/11/2007

NPSH (ft) (m)

0 4 8 12

0 200 400 600 800 1,000 1,200 1,400 1,600 1,800 2,000 2,200 2,400 2,600 2,800 3,000

0 100 200 300 400 500 600 700 800 900 1,000 1,100 1,200 1,300 1,400 1,500 1,600 1,700 1,800 1,900 2,000

Capacity (GPM)
Model VSC 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>6&quot;</td>
<td>1.69 (43)</td>
<td>12.13 (308)</td>
</tr>
<tr>
<td>8&quot;</td>
<td>1.88 (48)</td>
<td>14.75 (375)</td>
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</tbody>
</table>

**FLANGES ARE 125# ANSI - STANDARD**

**250# ANSI - AVAILABLE**

<table>
<thead>
<tr>
<th>S</th>
<th>X</th>
<th>Z</th>
</tr>
</thead>
<tbody>
<tr>
<td>9.21</td>
<td>17</td>
<td>9.21</td>
</tr>
<tr>
<td>(234)</td>
<td>(432)</td>
<td>(234)</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 IN INCHES (MM)**

**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>HF1,50</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>
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<tbody>
<tr>
<td>256T (876)</td>
<td>34.48</td>
<td>25.4</td>
<td>61</td>
<td>60.245 (1530)</td>
<td>23.25</td>
<td>591</td>
<td>23.52</td>
<td>(597)</td>
<td>51</td>
<td>17</td>
<td>(432)</td>
<td>133</td>
<td>22</td>
<td>5.25</td>
<td>31.07</td>
<td>(879)</td>
</tr>
<tr>
<td>284T/TS (876)</td>
<td>34.48</td>
<td>25.4</td>
<td>61</td>
<td>61.408</td>
<td>23.25</td>
<td>591</td>
<td>23.52</td>
<td>(597)</td>
<td>51</td>
<td>17</td>
<td>(432)</td>
<td>133</td>
<td>22</td>
<td>5.25</td>
<td>31.07</td>
<td>(879)</td>
</tr>
<tr>
<td>286T/TS (876)</td>
<td>34.48</td>
<td>25.4</td>
<td>61</td>
<td>62.904</td>
<td>23.25</td>
<td>591</td>
<td>23.52</td>
<td>(597)</td>
<td>51</td>
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<td>(432)</td>
<td>133</td>
<td>22</td>
<td>5.25</td>
<td>31.07</td>
<td>(879)</td>
</tr>
<tr>
<td>324T/TS (876)</td>
<td>34.48</td>
<td>25.4</td>
<td>61</td>
<td>65.725</td>
<td>23.25</td>
<td>591</td>
<td>23.52</td>
<td>(597)</td>
<td>51</td>
<td>17</td>
<td>(432)</td>
<td>133</td>
<td>22</td>
<td>5.25</td>
<td>31.07</td>
<td>(879)</td>
</tr>
<tr>
<td>326T/TS (876)</td>
<td>34.48</td>
<td>25.4</td>
<td>61</td>
<td>66.845</td>
<td>23.25</td>
<td>591</td>
<td>23.52</td>
<td>(597)</td>
<td>51</td>
<td>17</td>
<td>(432)</td>
<td>133</td>
<td>22</td>
<td>5.25</td>
<td>31.07</td>
<td>(879)</td>
</tr>
<tr>
<td>364T/TS (876)</td>
<td>34.48</td>
<td>25.4</td>
<td>61</td>
<td>68.684</td>
<td>23.25</td>
<td>591</td>
<td>23.52</td>
<td>(597)</td>
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<td>(432)</td>
<td>133</td>
<td>22</td>
<td>5.25</td>
<td>31.07</td>
<td>(879)</td>
</tr>
<tr>
<td>365T/TS (876)</td>
<td>34.48</td>
<td>25.4</td>
<td>61</td>
<td>68.684</td>
<td>23.25</td>
<td>591</td>
<td>23.52</td>
<td>(597)</td>
<td>51</td>
<td>17</td>
<td>(432)</td>
<td>133</td>
<td>22</td>
<td>5.25</td>
<td>31.07</td>
<td>(879)</td>
</tr>
<tr>
<td>404T/TS (876)</td>
<td>34.48</td>
<td>25.4</td>
<td>70</td>
<td>71.785</td>
<td>23.25</td>
<td>591</td>
<td>23.52</td>
<td>(597)</td>
<td>51</td>
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<td>(432)</td>
<td>133</td>
<td>22</td>
<td>5.25</td>
<td>31.07</td>
<td>(879)</td>
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<tr>
<td>405T/TS (876)</td>
<td>34.48</td>
<td>25.4</td>
<td>70</td>
<td>73.785</td>
<td>23.25</td>
<td>591</td>
<td>23.52</td>
<td>(597)</td>
<td>51</td>
<td>17</td>
<td>(432)</td>
<td>133</td>
<td>22</td>
<td>5.25</td>
<td>31.07</td>
<td>(879)</td>
</tr>
<tr>
<td>444T/TS (876)</td>
<td>34.48</td>
<td>25.4</td>
<td>70</td>
<td>79.251</td>
<td>23.25</td>
<td>591</td>
<td>23.52</td>
<td>(597)</td>
<td>51</td>
<td>17</td>
<td>(432)</td>
<td>133</td>
<td>22</td>
<td>5.25</td>
<td>31.07</td>
<td>(879)</td>
</tr>
<tr>
<td>445T/TS (876)</td>
<td>34.48</td>
<td>25.4</td>
<td>70</td>
<td>80.855 (2054)</td>
<td>23.25</td>
<td>591</td>
<td>23.52</td>
<td>(597)</td>
<td>51</td>
<td>17</td>
<td>(432)</td>
<td>133</td>
<td>22</td>
<td>5.25</td>
<td>31.07</td>
<td>(879)</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.

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

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<th>THICKNESS</th>
<th>O.D.</th>
</tr>
</thead>
<tbody>
<tr>
<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>
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**FLANGES ARE 125# ANSI - STANDARD**

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<td>(432)</td>
<td>(234)</td>
</tr>
</tbody>
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Removal clearance from end of bracket: 24 Inches (610 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></td>
<td>CP</td>
</tr>
<tr>
<td>256T</td>
<td>34.48</td>
</tr>
<tr>
<td>284T/TS</td>
<td>34.48</td>
</tr>
<tr>
<td>286T/TS</td>
<td>34.48</td>
</tr>
<tr>
<td>324T/TS</td>
<td>34.48</td>
</tr>
<tr>
<td>326T/TS</td>
<td>34.48</td>
</tr>
<tr>
<td>364T/TS</td>
<td>34.48</td>
</tr>
<tr>
<td>365T/TS</td>
<td>34.48</td>
</tr>
<tr>
<td>404T/TS</td>
<td>34.48</td>
</tr>
<tr>
<td>405T/TS</td>
<td>34.48</td>
</tr>
<tr>
<td>444T/TS</td>
<td>34.48</td>
</tr>
<tr>
<td>445T/TS</td>
<td>34.48</td>
</tr>
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