Model VSC
10x12x22A
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, 125 PSIG (8.5 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, 125 PSIG (8.5 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
10x12x22A
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 Grountless 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, 125 PSIG (8.5 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, 125 PSIG (8.5 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
10x12x22A
Double Suction Split Case Pump

**SPECIFICATIONS**

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<th>HEAD</th>
<th>HP</th>
<th>RPM</th>
<th>VOLTS</th>
<th>CYCLE</th>
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<th>ENCLOSURE</th>
<th>APPROX. WEIGHT</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, 125 PSIG (8.5 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, 125 PSIG (8.5 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)

---

**Series VSX**

**Bell & Gossett**

10x12x22A
1780 RPM

**Graph**

- **Total Head vs. Capacity**
- **NPSHr vs. Flow (GPM)**

*Date: 11/02/2007*

---

*Let's Solve Water*
Model VSC 10x12x22A Centrifugal Pump Submittal

**FLANGE DIMENSIONS IN INCHES (MM)**

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<th>SIZE</th>
<th>THICKNESS</th>
<th>O.D.</th>
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<tr>
<td>10&quot;</td>
<td>2.06 (52)</td>
<td>17 (432)</td>
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<tr>
<td>12&quot;</td>
<td>2.19 (56)</td>
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**FLANGES ARE DRILLED 125# ANSI - STANDARD 250# ANSI - AVAILABLE**

**DIMENSIONS IN INCHES (MM)**

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<th>X</th>
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<td>14.56</td>
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<tr>
<td>(370)</td>
<td>(629)</td>
<td>(370)</td>
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</table>

Removal clearance from end of bracket: 26 Inches (660 mm)

**STANDARD COUPLER**

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

Distance to the next available hole.

---

**DIMENSIONS - INCHES (mm) FOR PUMPS WITH STANDARD COUPLER**

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<tr>
<th>MOTOR FRAME</th>
<th>CP</th>
<th>HA</th>
<th>HB</th>
<th>HC(^{\star}) MAX.</th>
<th>HD</th>
<th>2HE</th>
<th>HF(_{1})</th>
<th>HF(_{2}) * *</th>
<th>HG</th>
<th>HH</th>
<th>HM(^{\star}) MAX.</th>
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<th>HP</th>
<th>HQ</th>
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<td>91</td>
<td>78.71 (1999)</td>
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<td>81</td>
<td>20.25 (514)</td>
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<td>1.13 (29)</td>
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<td>(127)</td>
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<td>405T/TS</td>
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<td>80.71 (2050)</td>
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<td>81</td>
<td>20.25 (514)</td>
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<td>47</td>
<td>(1194)</td>
<td>57.75 (1467)</td>
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<td>(127)</td>
<td>5</td>
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<td>39.12 (994)</td>
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<td>86</td>
<td>17.2 (437)</td>
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<td>14.75 (375)</td>
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</tbody>
</table>

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

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† 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.

Xylem Inc.
8200 N. Austin Avenue
Morton Grove, IL 60053
Phone: (847) 968-3700
Fax: (847) 965-8379

Let’s Solve Water
Model VSC 10x12x22A Centrifugal Pump Submittal

**FLANGE DIMENSIONS IN INCHES (MM)**

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</tr>
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<td>12&quot;</td>
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<td>20.25</td>
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**FLANGES ARE DRILLED 125# ANSI - STANDARD 250# ANSI - AVAILABLE**

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</table>

Removal clearance from end of bracket: 26 Inches (660 mm)

**SPACER COUPLER**

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

Distance to the next available hole.

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<tr>
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<th>HC^+ MAX.</th>
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<td>(1257)</td>
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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 Faulk SteelFlex coupling options, consult factory for a special submittal drawing.

† 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.

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