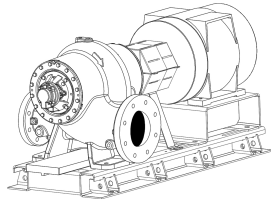


| | | |
|--------------------|------------------------|--------------|
| JOB: | REPRESENTATIVE: | |
| UNIT TAG: | ORDER NO. | DATE: |
| ENGINEER: | SUBMITTED BY: | DATE: |
| CONTRACTOR: | APPROVED BY: | DATE: |



Model VSH 14x16x17 1/2 A Double Suction Split Case Pump



SPECIFICATIONS

FLOW _____ HEAD _____
 HP _____ RPM _____
 VOLTS _____
 CYCLE _____ PHASE _____
 ENCLOSURE _____
 APPROX. WEIGHT _____
 SPECIALS _____

STANDARD MATERIALS OF CONSTRUCTION

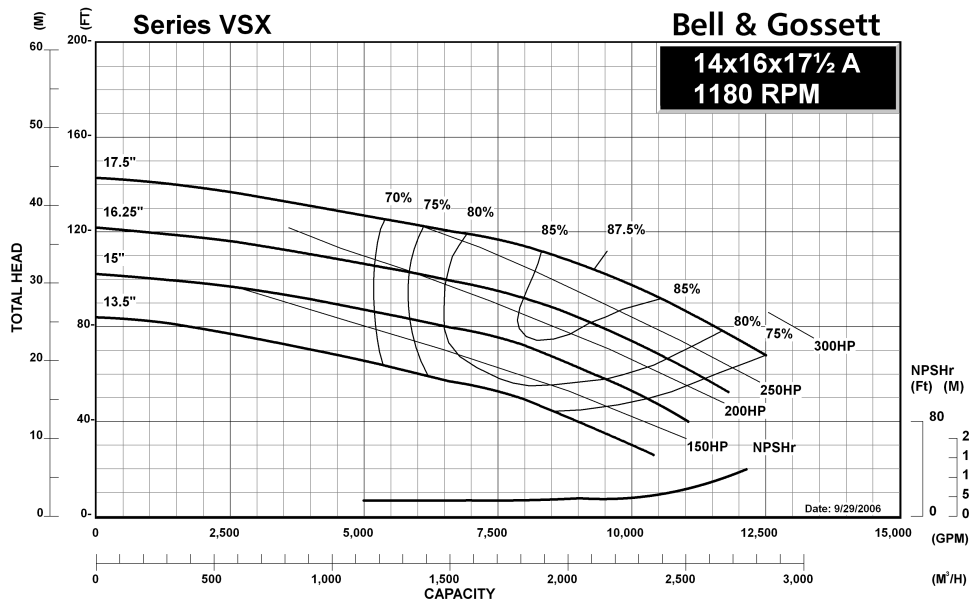
- Cast Iron Bronze Fitted
- Heavy Duty Maintenance Free Bearings
- Alignment Friendly Coupling
- Heavy Duty Groutless Baseplate
- ANSI/OSHA Coupling Guard
- ISO 1940-1:2003 Impeller Balance

OPTIONAL MATERIALS OF CONSTRUCTION

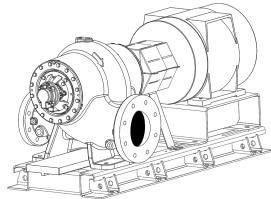
- Galvanized Drip Pan
- Spacer Coupling

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)



| | | |
|--------------------|------------------------|--------------|
| JOB: | REPRESENTATIVE: | |
| UNIT TAG: | ORDER NO. | DATE: |
| ENGINEER: | SUBMITTED BY: | DATE: |
| CONTRACTOR: | APPROVED BY: | DATE: |



Model VSH 14x16x17 1/2 A Double Suction Split Case Pump



SPECIFICATIONS

FLOW _____ HEAD _____
 HP _____ RPM _____
 VOLTS _____
 CYCLE _____ PHASE _____
 ENCLOSURE _____
 APPROX. WEIGHT _____
 SPECIALS _____

STANDARD MATERIALS OF CONSTRUCTION

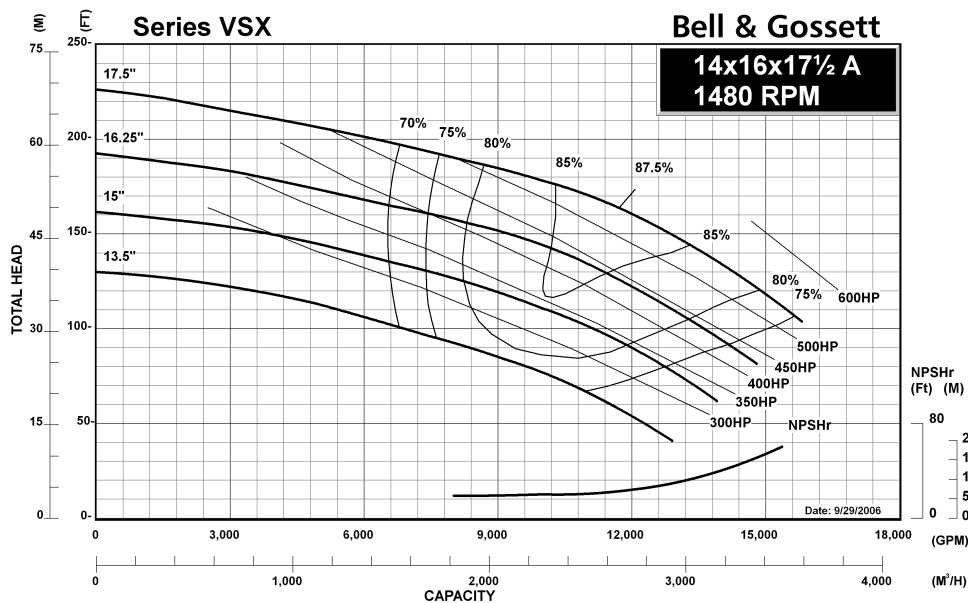
- Cast Iron Bronze Fitted
- Heavy Duty Maintenance Free Bearings
- Alignment Friendly Coupling
- Heavy Duty Groutless Baseplate
- ANSI/OSHA Coupling Guard
- ISO 1940-1:2003 Impeller Balance

OPTIONAL MATERIALS OF CONSTRUCTION

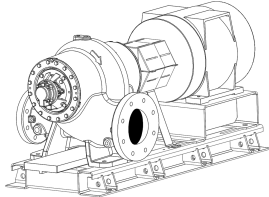
- Galvanized Drip Pan
- Spacer Coupling

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)



| | | |
|--------------------|------------------------|--------------|
| JOB: | REPRESENTATIVE: | |
| UNIT TAG: | ORDER NO. | DATE: |
| ENGINEER: | SUBMITTED BY: | DATE: |
| CONTRACTOR: | APPROVED BY: | DATE: |



Model VSH

14x16x17 1/2 A

Double Suction Split Case Pump



SPECIFICATIONS

FLOW _____ HEAD _____

HP _____ RPM _____

VOLTS _____

CYCLE _____ PHASE _____

ENCLOSURE _____

APPROX. WEIGHT _____

SPECIALS _____

STANDARD MATERIALS OF CONSTRUCTION

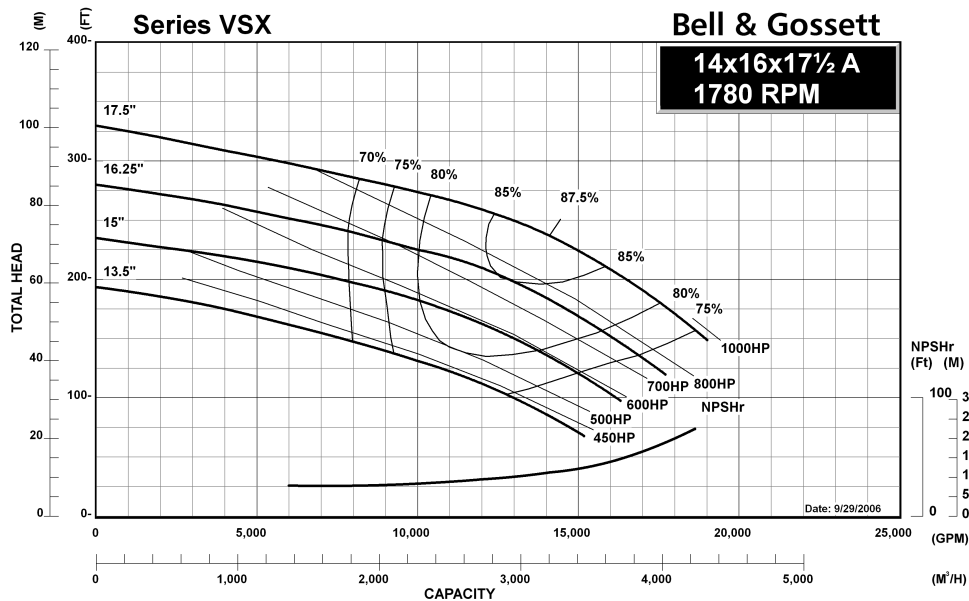
- Cast Iron Bronze Fitted
- Heavy Duty Maintenance Free Bearings
- Alignment Friendly Coupling
- Heavy Duty Groutless Baseplate
- ANSI/OSHA Coupling Guard
- ISO 1940-1:2003 Impeller Balance

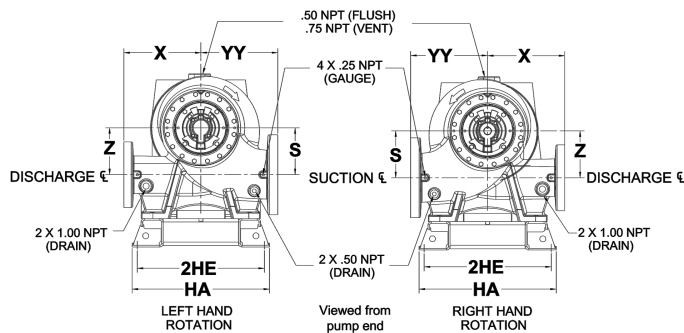
OPTIONAL MATERIALS OF CONSTRUCTION

- 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)

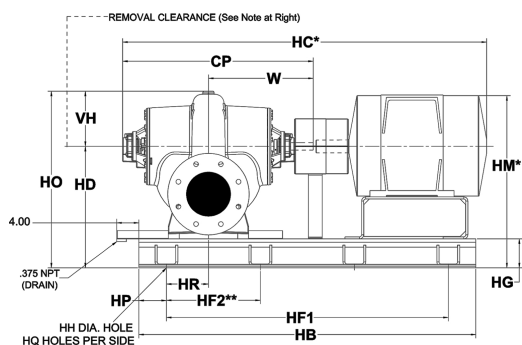




| FLANGE DIMENSIONS IN INCHES (MM) | | | |
|----------------------------------|------|-----------|-------------|
| | SIZE | THICKNESS | O.D. |
| Discharge | 14" | 2.38 (60) | 22.38 (569) |
| Suction | 16" | 2.50 (64) | 25.00 (635) |

FLANGES ARE 125# ANSI - STANDARD
250# ANSI - AVAILABLE

| DIMENSIONS IN INCHES (MM) | | | | |
|---------------------------|-------------|---------------|---------------|----------------|
| S | VH | X | YY | Z |
| 15.35 (390) | 18 (457) | 26.5 (673) | 26.5 (673) | 15.35 (390) |



Removal clearance from end of bracket: 34 Inches (864 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 | | | | | | | | | | | | | | | |
|-------------|---|--------------|------------------|------------------|----------------|----------------|------------------|--------------------|---------------|---------------|------------------|-----------------|------------|----|----------------|----------------|
| | CP | HA | HB | HC* | HD | 2HE | HF ₁ | HF ₂ ** | HG | HH | HM* | HO | HP | HQ | HR | W |
| 404 | 50.25 (1276) | 41 (1041) | 91 (2311) | 87.56 (2224) | 36.5 (927) | 39.12 (994) | 81 (2057) | 20.25 (514) | 7 (178) | 1.13 (29) | 46.97 (1193) | 54.5 (1384) | 5 (127) | 5 | 14.75 (375) | 27.63 (702) |
| 405 | 50.25 (1276) | 41 (1041) | 91 (2311) | 89.56 (2275) | 36.5 (927) | 39.12 (994) | 81 (2057) | 20.25 (514) | 7 (178) | 1.13 (29) | 46.97 (1193) | 54.5 (1384) | 5 (127) | 5 | 14.75 (375) | 27.63 (702) |
| 444 | 50.25 (1276) | 41 (1041) | 91 (2311) | 95.026 (2414) | 36.5 (927) | 39.12 (994) | 81 (2057) | 20.25 (514) | 7 (178) | 1.13 (29) | 52.02 (1321) | 54.5 (1384) | 5 (127) | 5 | 14.75 (375) | 27.63 (702) |
| 445 | 50.25 (1276) | 41 (1041) | 91 (2311) | 96.63 (2454) | 36.5 (927) | 39.12 (994) | 81 (2057) | 20.25 (514) | 7 (178) | 1.13 (29) | 52.02 (1321) | 54.5 (1384) | 5 (127) | 5 | 14.75 (375) | 27.63 (702) |
| 447 | 50.25 (1276) | 41 (1041) | 96 (2438) | 103.11 (2619) | 36.5 (927) | 39.12 (994) | 86 (2184) | 17.2 (437) | 7 (178) | 1.13 (29) | 50.38 (1280) | 54.5 (1384) | 5 (127) | 6 | 14.75 (375) | 27.63 (702) |
| 449 | 50.25 (1276) | 41 (1041) | 96 (2438) | 103.81 (2637) | 36.5 (927) | 39.12 (994) | 86 (2184) | 17.2 (437) | 7 (178) | 1.13 (29) | 50.38 (1280) | 54.5 (1384) | 5 (127) | 6 | 14.75 (375) | 27.63 (702) |
| † ± 5008MS | 50.25 (1276) | 41 (1041) | 96 (2438) | 99.63 (2531) | 36.5 (927) | 39.12 (994) | 86 (2184) | 17.2 (437) | 7 (178) | 1.13 (29) | 51 (1295) | 54.5 (1384) | 5 (127) | 6 | 14.75 (375) | 27.63 (702) |
| † ± 5010MS | 50.25 (1276) | 41 (1041) | 108 (2743) | 106.13 (2696) | 38.88 (988) | 38 (965) | 98 (2489) | 24.5 (622) | 9.38 (238) | 1.375 (35) | 53.38 (1356) | 56.88 (1445) | 5 (127) | 5 | 14.75 (375) | 27.63 (702) |
| † ± 5012MS | 50.25 (1276) | 41 (1041) | 108 (2743) | 114.13 (2899) | 38.88 (988) | 38 (965) | 98 (2489) | 24.5 (622) | 9.38 (238) | 1.375 (35) | 53.38 (1356) | 56.88 (1445) | 5 (127) | 5 | 14.75 (375) | 27.63 (702) |
| † ± 5807S | 50.25 (1276) | 41 (1041) | 110.50 (2807) | 109.75 (2788) | 38.88 (988) | 38 (965) | 100.52 (2553) | 25.125 (638) | 9.38 (238) | 1.375 (35) | 54.44 (1383) | 56.88 (1445) | 5 (127) | 5 | 14.75 (375) | 27.63 (702) |
| † ± 5809S | 50.25 (1276) | 41 (1041) | 110.50 (2807) | 116.75 (2965) | 38.88 (988) | 38 (965) | 100.52 (2553) | 25.125 (638) | 9.38 (238) | 1.375 (35) | 54.44 (1383) | 56.88 (1445) | 5 (127) | 5 | 14.75 (375) | 27.63 (702) |
| † ± 5811S | 50.25 (1276) | 41 (1041) | 110.50 (2807) | 124.75 (3169) | 38.88 (988) | 38 (965) | 100.52 (2553) | 25.125 (638) | 9.38 (238) | 1.375 (35) | 54.44 (1383) | 56.88 (1445) | 5 (127) | 5 | 14.75 (375) | 27.63 (702) |
| † ± 5811M+ | 50.25 (1276) | 41 (1041) | 110.50 (2807) | 136.69 (3472) | 38.88 (988) | 38 (965) | 100.52 (2553) | 25.13 (638) | 9.38 (238) | 1.375 (35) | 107.01 (2718) | 56.88 (1445) | 5 (127) | 5 | 14.75 (375) | 27.63 (702) |
| † ± 5812M+ | 50.25 (1276) | 41 (1041) | 110.50 (2807) | 141.69 (3599) | 38.88 (988) | 38 (965) | 100.52 (2553) | 25.13 (638) | 9.38 (238) | 1.375 (35) | 107.01 (2718) | 56.88 (1445) | 5 (127) | 5 | 14.75 (375) | 27.63 (702) |

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.

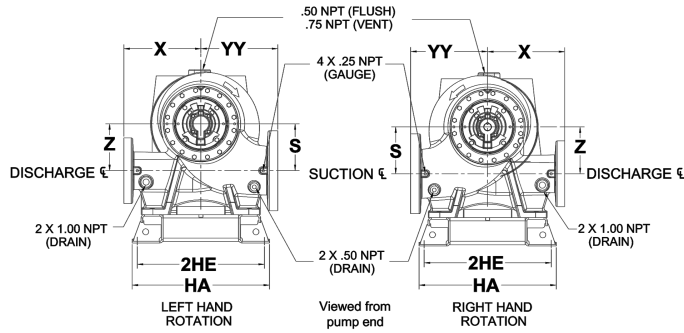
† For all customer supplied motors above 449 NEMA frame, a certified motor drawing must be supplied by the customer at the time of order entry.

‡ 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)966-3700
Fax: (847)965-8379
www.bellgossett.com



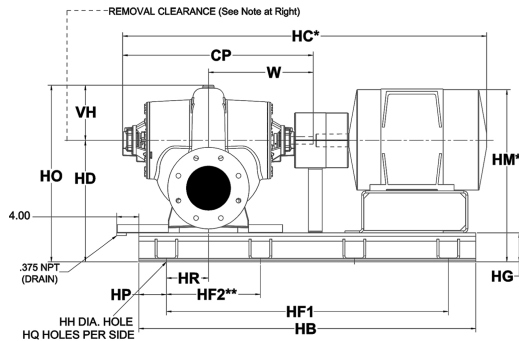
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| FLANGE DIMENSIONS IN INCHES (MM) | | | |
|----------------------------------|------|-----------|-------------|
| | SIZE | THICKNESS | O.D. |
| Discharge | 14" | 2.38 (60) | 22.38 (569) |
| Suction | 16" | 2.50 (64) | 25.00 (635) |

FLANGES ARE 125# ANSI - STANDARD
250# ANSI - AVAILABLE

| DIMENSIONS IN INCHES (MM) | | | | |
|---------------------------|-------------|---------------|---------------|----------------|
| S | VH | X | YY | Z |
| 15.35 (390) | 18 (457) | 26.5 (673) | 26.5 (673) | 15.35 (390) |



Removal clearance from end of bracket: 34 Inches (864 mm)

SPACER COUPLER

*Motor dimensions are approximate and vary by manufacturer and motor type.
**Distance to the next available hole.

| MOTOR FRAME | DIMENSIONS - INCHES (mm) FOR SPACER COUPLER | | | | | | | | | | | | | | | |
|-------------|---|--------------|------------------|-------------------|----------------|----------------|------------------|--------------------|---------------|---------------|------------------|-----------------|------------|----|----------------|----------------|
| | CP | HA | HB | HC* | HD | 2HE | HF ₁ | HF ₂ ** | HG | HH | HM* | HO | HP | HQ | HR | W |
| 404 | 50.25 (1276) | 41 (1041) | 108 (2743) | 102.56 (2605) | 36.5 (927) | 39.12 (994) | 98 (2489) | 19.6 (498) | 7 (178) | 1.13 (29) | 46.97 (1193) | 54.5 (1384) | 5 (127) | 6 | 14.75 (375) | 27.63 (702) |
| 405 | 50.25 (1276) | 41 (1041) | 108 (2743) | 104.56 (2656) | 36.5 (927) | 39.12 (994) | 98 (2489) | 19.6 (498) | 7 (178) | 1.13 (29) | 46.97 (1193) | 54.5 (1384) | 5 (127) | 6 | 14.75 (375) | 27.63 (702) |
| 444 | 50.25 (1276) | 41 (1041) | 108 (2743) | 110.026 (2795) | 36.5 (927) | 39.12 (994) | 98 (2489) | 19.6 (498) | 7 (178) | 1.13 (29) | 52.02 (1321) | 54.5 (1384) | 5 (127) | 6 | 14.75 (375) | 27.63 (702) |
| 445 | 50.25 (1276) | 41 (1041) | 108 (2743) | 111.63 (2835) | 36.5 (927) | 39.12 (994) | 98 (2489) | 19.6 (498) | 7 (178) | 1.13 (29) | 52.02 (1321) | 54.5 (1384) | 5 (127) | 6 | 14.75 (375) | 27.63 (702) |
| 447 | 50.25 (1276) | 41 (1041) | 108 (2743) | 118.11 (3000) | 38.88 (988) | 38 (965) | 98 (2489) | 24.5 (622) | 9.38 (238) | 1.375 (35) | 52.76 (1340) | 56.88 (1445) | 5 (127) | 5 | 14.75 (375) | 27.63 (702) |
| 449 | 50.25 (1276) | 41 (1041) | 108 (2743) | 118.81 (3018) | 38.88 (988) | 38 (965) | 98 (2489) | 24.5 (622) | 9.38 (238) | 1.375 (35) | 52.76 (1340) | 56.88 (1445) | 5 (127) | 5 | 14.75 (375) | 27.63 (702) |
| † ± 5008MS | 50.25 (1276) | 41 (1041) | 124 (3150) | 114.63 (2912) | 38.88 (988) | 38 (965) | 114 (2896) | 28.5 (724) | 9.38 (238) | 1.375 (35) | 53.38 (1356) | 56.88 (1445) | 5 (127) | 5 | 14.75 (375) | 27.63 (702) |
| † ± 5010MS | 50.25 (1276) | 41 (1041) | 124 (3150) | 121.13 (3077) | 38.88 (988) | 38 (965) | 114 (2896) | 28.5 (724) | 9.38 (238) | 1.375 (35) | 53.38 (1356) | 56.88 (1445) | 5 (127) | 5 | 14.75 (375) | 27.63 (702) |
| † ± 5012MS | 50.25 (1276) | 41 (1041) | 124 (3150) | 129.13 (3280) | 38.88 (988) | 38 (965) | 114 (2896) | 28.5 (724) | 9.38 (238) | 1.375 (35) | 53.38 (1356) | 56.88 (1445) | 5 (127) | 5 | 14.75 (375) | 27.63 (702) |
| † ± 5807S | 50.25 (1276) | 41 (1041) | 125.50 (3188) | 124.75 (3169) | 38.88 (988) | 38 (965) | 115.52 (2934) | 28.875 (733) | 9.38 (238) | 1.375 (35) | 54.44 (1383) | 56.88 (1445) | 5 (127) | 5 | 14.75 (375) | 27.63 (702) |
| † ± 5809S | 50.25 (1276) | 41 (1041) | 125.50 (3188) | 131.75 (3346) | 38.88 (988) | 38 (965) | 115.52 (2934) | 28.875 (733) | 9.38 (238) | 1.375 (35) | 54.44 (1383) | 56.88 (1445) | 5 (127) | 5 | 14.75 (375) | 27.63 (702) |
| † ± 5811S | 50.25 (1276) | 41 (1041) | 125.50 (3188) | 139.75 (3550) | 38.88 (988) | 38 (965) | 115.52 (2934) | 28.875 (733) | 9.38 (238) | 1.375 (35) | 54.44 (1383) | 56.88 (1445) | 5 (127) | 5 | 14.75 (375) | 27.63 (702) |
| † ± 5811M+ | 50.25 (1276) | 41 (1041) | 125.5 (3188) | 151.69 (3853) | 38.88 (988) | 38 (965) | 115.52 (2934) | 28.88 (734) | 9.38 (238) | 1.375 (35) | 107.01 (2718) | 56.88 (1445) | 5 (127) | 5 | 14.75 (375) | 27.63 (702) |
| † ± 5812M+ | 50.25 (1276) | 41 (1041) | 125.5 (3188) | 156.69 (3980) | 38.88 (988) | 38 (965) | 115.52 (2934) | 28.88 (734) | 9.38 (238) | 1.375 (35) | 107.01 (2718) | 56.88 (1445) | 5 (127) | 5 | 14.75 (375) | 27.63 (702) |

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.
† 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.
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



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