

JOB:

REPRESENTATIVE:

UNIT TAG:

ORDER NO.

DATE:

ENGINEER:

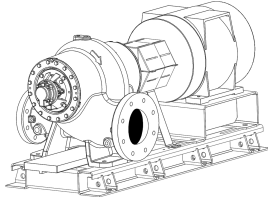
SUBMITTED BY:

DATE:

CONTRACTOR:

APPROVED BY:

DATE:



# Model VSH 8x10x17<sup>1</sup>/<sub>2</sub>A Double Suction Split Case Pump



## SPECIFICATIONS

FLOW \_\_\_\_\_ HEAD \_\_\_\_\_

HP \_\_\_\_\_ RPM \_\_\_\_\_

VOLTS \_\_\_\_\_

CYCLE \_\_\_\_\_ PHASE \_\_\_\_\_

ENCLOSURE \_\_\_\_\_

APPROX. WEIGHT \_\_\_\_\_

SPECIALS \_\_\_\_\_

## STANDARD MATERIALS OF CONSTRUCTION

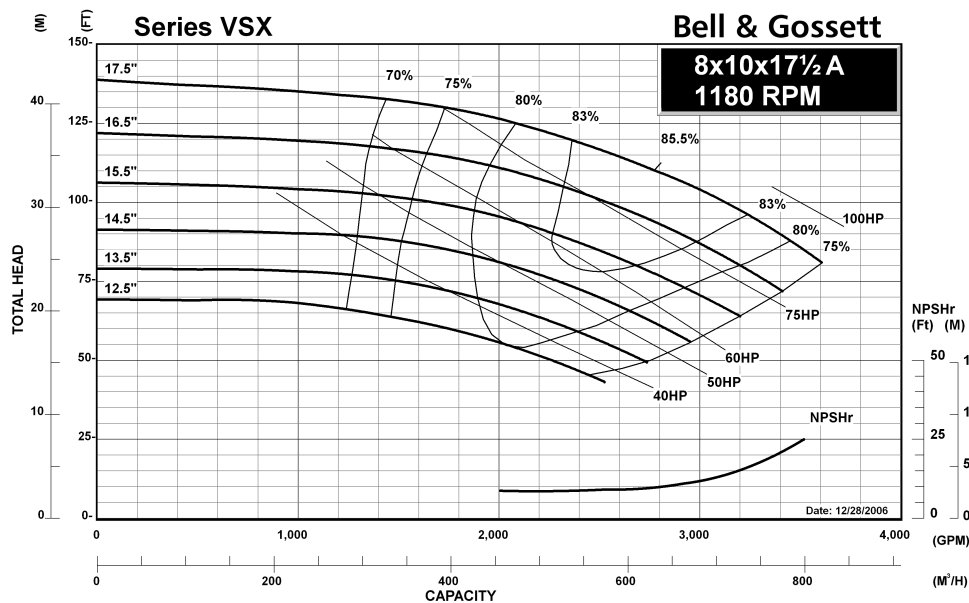
- ☒ Cast Iron Bronze Fitted
- ☒ Heavy Duty Maintenance Free Bearings
- ☒ Alignment Friendly Coupling
- ☒ Heavy Duty Groutless Baseplate
- ☒ ANSI/OSHA Coupling Guard
- ☒ ISO 1940-1:2003 Impeller Balance

## 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, 160 PSIG (10.9 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, 160 PSIG (10.9 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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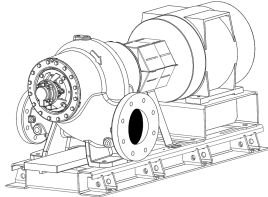
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# Model VSH 8x10x17<sup>1</sup>/<sub>2</sub>A Double Suction Split Case Pump



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HP \_\_\_\_\_ RPM \_\_\_\_\_

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CYCLE \_\_\_\_\_ PHASE \_\_\_\_\_

ENCLOSURE \_\_\_\_\_

APPROX. WEIGHT \_\_\_\_\_

SPECIALS \_\_\_\_\_

## STANDARD MATERIALS OF CONSTRUCTION

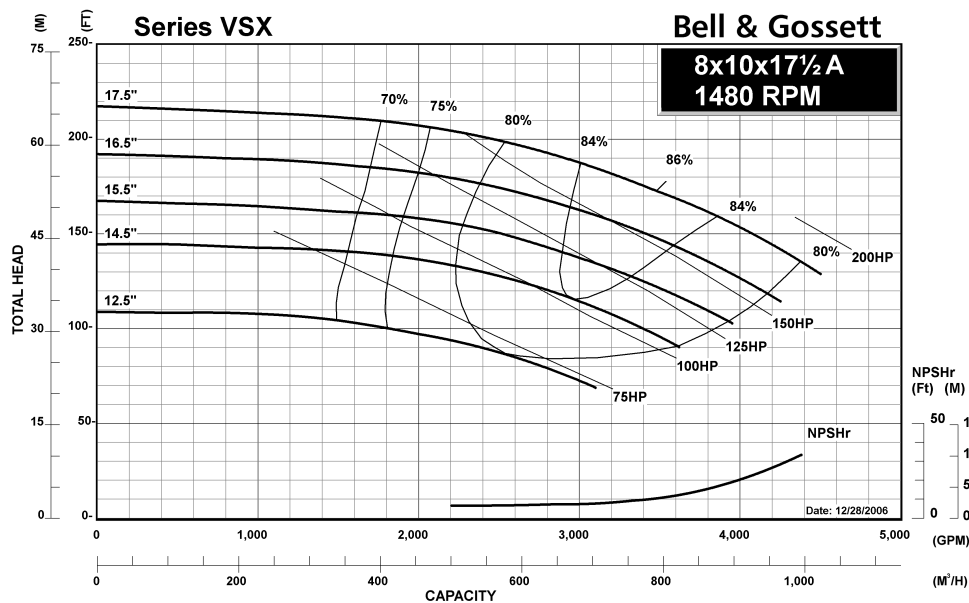
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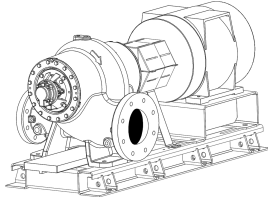
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## Model VSH 8x10x17<sup>1</sup>/<sub>2</sub>A Double Suction Split Case Pump



### SPECIFICATIONS

FLOW \_\_\_\_\_ HEAD \_\_\_\_\_

HP \_\_\_\_\_ RPM \_\_\_\_\_

VOLTS \_\_\_\_\_

CYCLE \_\_\_\_\_ PHASE \_\_\_\_\_

ENCLOSURE \_\_\_\_\_

APPROX. WEIGHT \_\_\_\_\_

SPECIALS \_\_\_\_\_

### STANDARD MATERIALS OF CONSTRUCTION

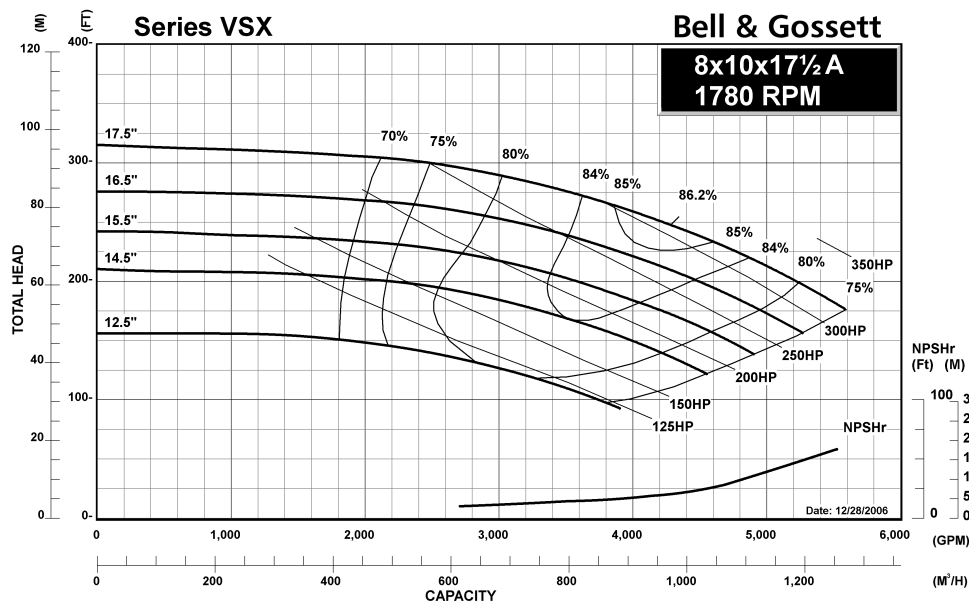
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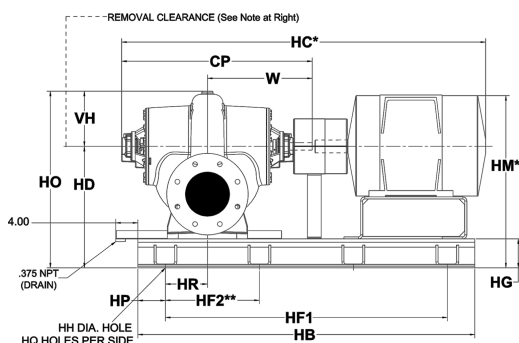
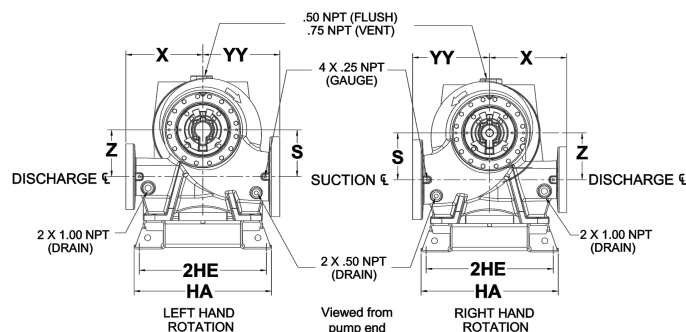
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- ☐ **Optional:** 300 PSIG (20 BAR) max. working pressure, flat face flanges, 250# ANSI flange drilling, Unitized mechanical seal, EPR/Carbon/Silicon Carbide, 160 PSIG (10.9 BAR) max. suction pressure, 0 to 300°F (-18 to 149°C)
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| FLANGE DIMENSIONS IN INCHES (MM) |      |           |             |
|----------------------------------|------|-----------|-------------|
|                                  | SIZE | THICKNESS | O.D.        |
| Discharge                        | 8"   | 1.81 (46) | 14.75 (375) |
| Suction                          | 10"  | 2.06 (52) | 17 (432)    |

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

| DIMENSIONS IN INCHES (MM) |             |             |                |                |
|---------------------------|-------------|-------------|----------------|----------------|
| S                         | X           | YY          | Z              | VH             |
| 12.61<br>(320)            | 21<br>(533) | 21<br>(533) | 12.61<br>(320) | 14.75<br>(375) |

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.

| MOTOR FRAME | DIMENSIONS - INCHES (mm) FOR PUMPS WITH STANDARD COUPLER |              |              |                  |               |                |                 |                    |            |              |                 |                 |            |    |                |                |
|-------------|----------------------------------------------------------|--------------|--------------|------------------|---------------|----------------|-----------------|--------------------|------------|--------------|-----------------|-----------------|------------|----|----------------|----------------|
|             | CP                                                       | HA           | HB           | HC*<br>MAX.      | HD            | 2HE            | HF <sub>1</sub> | HF <sub>2</sub> ** | HG         | HH           | HM*<br>MAX.     | HO              | HP         | HQ | HR             | W              |
| 324T/TS     | 42.12<br>(1070)                                          | 41<br>(1041) | 91<br>(2311) | 73.37<br>(1864)  | 29.5<br>(749) | 39.12<br>(994) | 81<br>(2057)    | 20.25<br>(514)     | 7<br>(178) | 1.13<br>(29) | 38.07<br>(967)  | 44.25<br>(1124) | 5<br>(127) | 5  | 14.75<br>(375) | 23.56<br>(598) |
| 326T/TS     | 42.12<br>(1070)                                          | 41<br>(1041) | 91<br>(2311) | 74.49<br>(1892)  | 29.5<br>(749) | 39.12<br>(994) | 81<br>(2057)    | 20.25<br>(514)     | 7<br>(178) | 1.13<br>(29) | 38.6<br>(980)   | 44.25<br>(1124) | 5<br>(127) | 5  | 14.75<br>(375) | 23.56<br>(598) |
| 364T/TS     | 42.12<br>(1070)                                          | 41<br>(1041) | 91<br>(2311) | 76.829<br>(1951) | 29.5<br>(749) | 39.12<br>(994) | 81<br>(2057)    | 20.25<br>(514)     | 7<br>(178) | 1.13<br>(29) | 39.45<br>(1002) | 44.25<br>(1124) | 5<br>(127) | 5  | 14.75<br>(375) | 23.56<br>(598) |
| 365T/TS     | 42.12<br>(1070)                                          | 41<br>(1041) | 91<br>(2311) | 76.829<br>(1951) | 29.5<br>(749) | 39.12<br>(994) | 81<br>(2057)    | 20.25<br>(514)     | 7<br>(178) | 1.13<br>(29) | 39.45<br>(1002) | 44.25<br>(1124) | 5<br>(127) | 5  | 14.75<br>(375) | 23.56<br>(598) |
| 404T/TS     | 42.12<br>(1070)                                          | 41<br>(1041) | 91<br>(2311) | 79.43<br>(2018)  | 29.5<br>(749) | 39.12<br>(994) | 81<br>(2057)    | 20.25<br>(514)     | 7<br>(178) | 1.13<br>(29) | 39.97<br>(1015) | 44.25<br>(1124) | 5<br>(127) | 5  | 14.75<br>(375) | 23.56<br>(598) |
| 405T/TS     | 42.12<br>(1070)                                          | 41<br>(1041) | 91<br>(2311) | 81.43<br>(2068)  | 29.5<br>(749) | 39.12<br>(994) | 81<br>(2057)    | 20.25<br>(514)     | 7<br>(178) | 1.13<br>(29) | 39.97<br>(1015) | 44.25<br>(1124) | 5<br>(127) | 5  | 14.75<br>(375) | 23.56<br>(598) |
| 444T/TS     | 42.12<br>(1070)                                          | 41<br>(1041) | 91<br>(2311) | 86.896<br>(2207) | 29.5<br>(749) | 39.12<br>(994) | 81<br>(2057)    | 20.25<br>(514)     | 7<br>(178) | 1.13<br>(29) | 45.02<br>(1144) | 44.25<br>(1124) | 5<br>(127) | 5  | 14.75<br>(375) | 23.56<br>(598) |
| 445T/TS     | 42.12<br>(1070)                                          | 41<br>(1041) | 91<br>(2311) | 88.5<br>(2248)   | 29.5<br>(749) | 39.12<br>(994) | 81<br>(2057)    | 20.25<br>(514)     | 7<br>(178) | 1.13<br>(29) | 45.02<br>(1144) | 44.25<br>(1124) | 5<br>(127) | 5  | 14.75<br>(375) | 23.56<br>(598) |
| 447T/TS     | 42.12<br>(1070)                                          | 41<br>(1041) | 96<br>(2438) | 94.98<br>(2412)  | 29.5<br>(749) | 39.12<br>(994) | 86<br>(2184)    | 17.2<br>(437)      | 7<br>(178) | 1.13<br>(29) | 43.38<br>(1102) | 44.25<br>(1124) | 5<br>(127) | 6  | 14.75<br>(375) | 23.56<br>(598) |
| 449T/TS     | 42.12<br>(1070)                                          | 41<br>(1041) | 96<br>(2438) | 95.68<br>(2430)  | 29.5<br>(749) | 39.12<br>(994) | 86<br>(2184)    | 17.2<br>(437)      | 7<br>(178) | 1.13<br>(29) | 43.38<br>(1102) | 44.25<br>(1124) | 5<br>(127) | 6  | 14.75<br>(375) | 23.56<br>(598) |

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

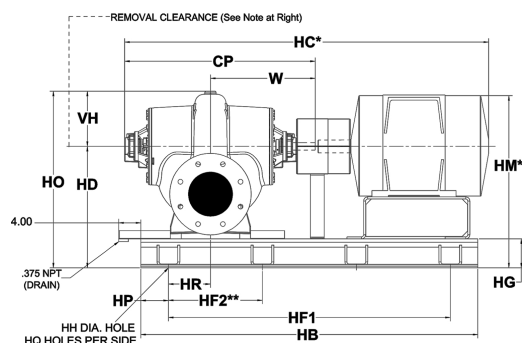
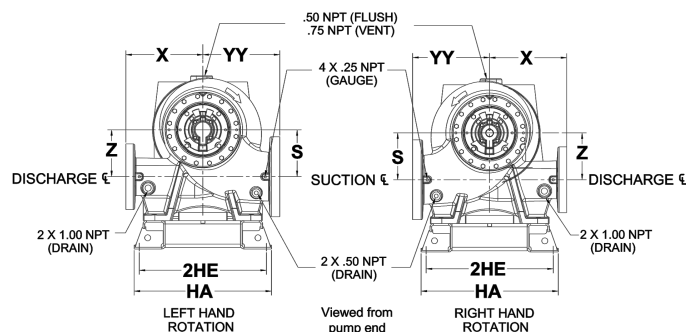
Units may be built where foot/feet overhang the motor mounting platform. If overhang is unacceptable, consult factory for a custom submittal, quotation and/or lead time. A certified motor drawing will be required.

† 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.  
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Morton Grove, IL 60053  
Phone: (847)966-3700  
Fax: (847)965-8379  
www.bellgossett.com

**xylem**  
Let's Solve Water



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

\*\*Distance to the next available hole.

| FLANGE DIMENSIONS IN INCHES (MM) |      |           |             |
|----------------------------------|------|-----------|-------------|
|                                  | SIZE | THICKNESS | O.D.        |
| Discharge                        | 8"   | 1.81 (46) | 14.75 (375) |
| Suction                          | 10"  | 2.06 (52) | 17 (432)    |

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

| DIMENSIONS IN INCHES (MM) |             |             |                |                |
|---------------------------|-------------|-------------|----------------|----------------|
| S                         | X           | YY          | Z              | VH             |
| 12.61<br>(320)            | 21<br>(533) | 21<br>(533) | 12.61<br>(320) | 14.75<br>(375) |

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

## SPACER COUPLER

| MOTOR FRAME | DIMENSIONS - INCHES (mm) FOR PUMPS WITH SPACER COUPLER |              |               |                  |               |                |                 |                    |            |              |                 |                 |            |    |                |                |
|-------------|--------------------------------------------------------|--------------|---------------|------------------|---------------|----------------|-----------------|--------------------|------------|--------------|-----------------|-----------------|------------|----|----------------|----------------|
|             | CP                                                     | HA           | HB            | HC*<br>MAX.      | HD            | 2HE            | HF <sub>1</sub> | HF <sub>2</sub> ** | HG         | HH           | HM*<br>MAX.     | HO              | HP         | HQ | HR             | W              |
| 324T/TS     | 42.12<br>(1070)                                        | 41<br>(1041) | 96<br>(2438)  | 86.37<br>(2194)  | 29.5<br>(749) | 39.12<br>(994) | 86<br>(2184)    | 17.2<br>(437)      | 7<br>(178) | 1.13<br>(29) | 38.07<br>(967)  | 44.25<br>(1124) | 5<br>(127) | 6  | 14.75<br>(375) | 23.56<br>(598) |
| 326T/TS     | 42.12<br>(1070)                                        | 41<br>(1041) | 96<br>(2438)  | 87.49<br>(2222)  | 29.5<br>(749) | 39.12<br>(994) | 86<br>(2184)    | 17.2<br>(437)      | 7<br>(178) | 1.13<br>(29) | 38.6<br>(980)   | 44.25<br>(1124) | 5<br>(127) | 6  | 14.75<br>(375) | 23.56<br>(598) |
| 364T/TS     | 42.12<br>(1070)                                        | 41<br>(1041) | 96<br>(2438)  | 89.329<br>(2269) | 29.5<br>(749) | 39.12<br>(994) | 86<br>(2184)    | 17.2<br>(437)      | 7<br>(178) | 1.13<br>(29) | 39.45<br>(1002) | 44.25<br>(1124) | 5<br>(127) | 6  | 14.75<br>(375) | 23.56<br>(598) |
| 365T/TS     | 42.12<br>(1070)                                        | 41<br>(1041) | 96<br>(2438)  | 89.329<br>(2269) | 29.5<br>(749) | 39.12<br>(994) | 86<br>(2184)    | 17.2<br>(437)      | 7<br>(178) | 1.13<br>(29) | 39.45<br>(1002) | 44.25<br>(1124) | 5<br>(127) | 6  | 14.75<br>(375) | 23.56<br>(598) |
| 404T/TS     | 42.12<br>(1070)                                        | 41<br>(1041) | 105<br>(2667) | 91.93<br>(2335)  | 29.5<br>(749) | 39.12<br>(994) | 95<br>(2413)    | 19<br>(483)        | 7<br>(178) | 1.13<br>(29) | 39.97<br>(1015) | 44.25<br>(1124) | 5<br>(127) | 6  | 14.75<br>(375) | 23.56<br>(598) |
| 405T/TS     | 42.12<br>(1070)                                        | 41<br>(1041) | 105<br>(2667) | 93.93<br>(2386)  | 29.5<br>(749) | 39.12<br>(994) | 95<br>(2413)    | 19<br>(483)        | 7<br>(178) | 1.13<br>(29) | 39.97<br>(1015) | 44.25<br>(1124) | 5<br>(127) | 6  | 14.75<br>(375) | 23.56<br>(598) |
| 444T/TS     | 42.12<br>(1070)                                        | 41<br>(1041) | 105<br>(2667) | 99.396<br>(2525) | 29.5<br>(749) | 39.12<br>(994) | 95<br>(2413)    | 19<br>(483)        | 7<br>(178) | 1.13<br>(29) | 45.02<br>(1144) | 44.25<br>(1124) | 5<br>(127) | 6  | 14.75<br>(375) | 23.56<br>(598) |
| 445T/TS     | 42.12<br>(1070)                                        | 41<br>(1041) | 105<br>(2667) | 101<br>(2565)    | 29.5<br>(749) | 39.12<br>(994) | 95<br>(2413)    | 19<br>(483)        | 7<br>(178) | 1.13<br>(29) | 45.02<br>(1144) | 44.25<br>(1124) | 5<br>(127) | 6  | 14.75<br>(375) | 23.56<br>(598) |
| 447T/TS     | 42.12<br>(1070)                                        | 41<br>(1041) | 105<br>(2667) | 107.48<br>(2730) | 29.5<br>(749) | 39.12<br>(994) | 95<br>(2413)    | 19<br>(483)        | 7<br>(178) | 1.13<br>(29) | 43.38<br>(1102) | 44.25<br>(1124) | 5<br>(127) | 6  | 14.75<br>(375) | 23.56<br>(598) |
| 449T/TS     | 42.12<br>(1070)                                        | 41<br>(1041) | 105<br>(2667) | 108.18<br>(2748) | 29.5<br>(749) | 39.12<br>(994) | 95<br>(2413)    | 19<br>(483)        | 7<br>(178) | 1.13<br>(29) | 43.38<br>(1102) | 44.25<br>(1124) | 5<br>(127) | 6  | 14.75<br>(375) | 23.56<br>(598) |

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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.

† 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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