



**Bell & Gossett**  
a xylem brand

**SUBMITTAL**

**B-866.18C**

JOB:

REPRESENTATIVE:

UNIT TAG:

ORDER NO.

DATE:

ENGINEER:

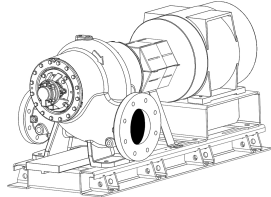
SUBMITTED BY:

DATE:

CONTRACTOR:

APPROVED BY:

DATE:



## Model VSH 18x20x22A Double Suction Split Case Pump



**VSH**  
REVOLUTION-X™

### SPECIFICATIONS

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

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

VOLTS \_\_\_\_\_

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

ENCLOSURE \_\_\_\_\_

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

SPECIALS \_\_\_\_\_

### STANDARD MATERIALS OF CONSTRUCTION

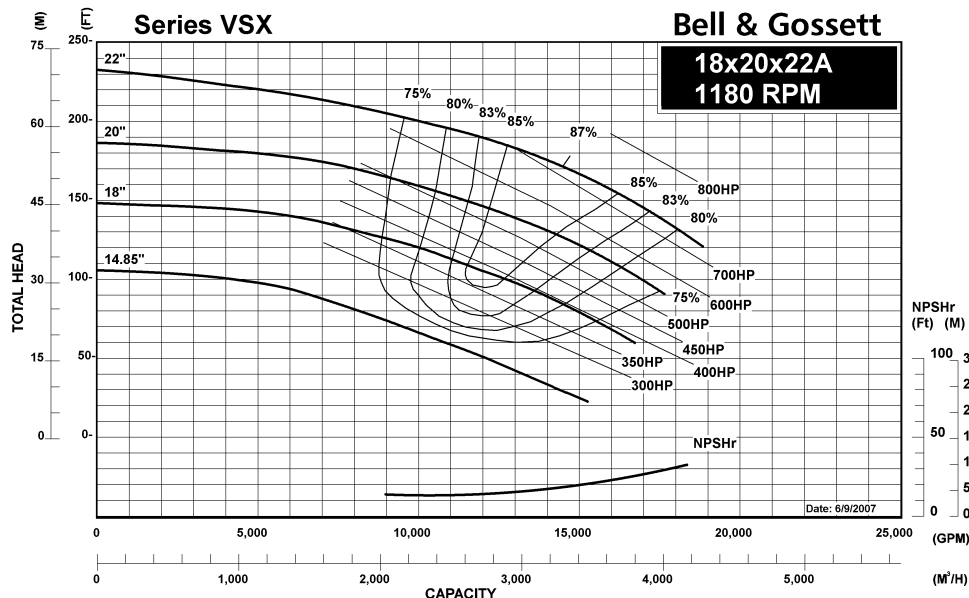
- ☒ Cast Ductile Iron, Bronze Fitted
- ☒ Heavy Duty Maintenance Free Bearings
- ☒ Alignment Friendly Coupling (Less Than 1500 HP)
- ☒ Heavy Duty Groutless Baseplate
- ☒ ANSI/OSHA Coupling Guard
- ☒ ISO 1940-1:2003 Impeller Balance

### 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, Balanced mechanical seal, EPR/Graphite loaded Silicon Carbide on 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, 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)



**xylem**  
Let's Solve Water

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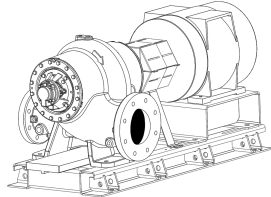
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# Model VSH 18x20x22A Double Suction Split Case Pump



## SPECIFICATIONS

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

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

VOLTS \_\_\_\_\_

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

ENCLOSURE \_\_\_\_\_

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

SPECIALS \_\_\_\_\_

## STANDARD MATERIALS OF CONSTRUCTION

- ☒ Cast Ductile Iron, Bronze Fitted
- ☒ Heavy Duty Maintenance Free Bearings
- ☒ Alignment Friendly Coupling (Less Than 1500 HP)

☒ Heavy Duty Groutless Baseplate

☒ ANSI/OSHA Coupling Guard

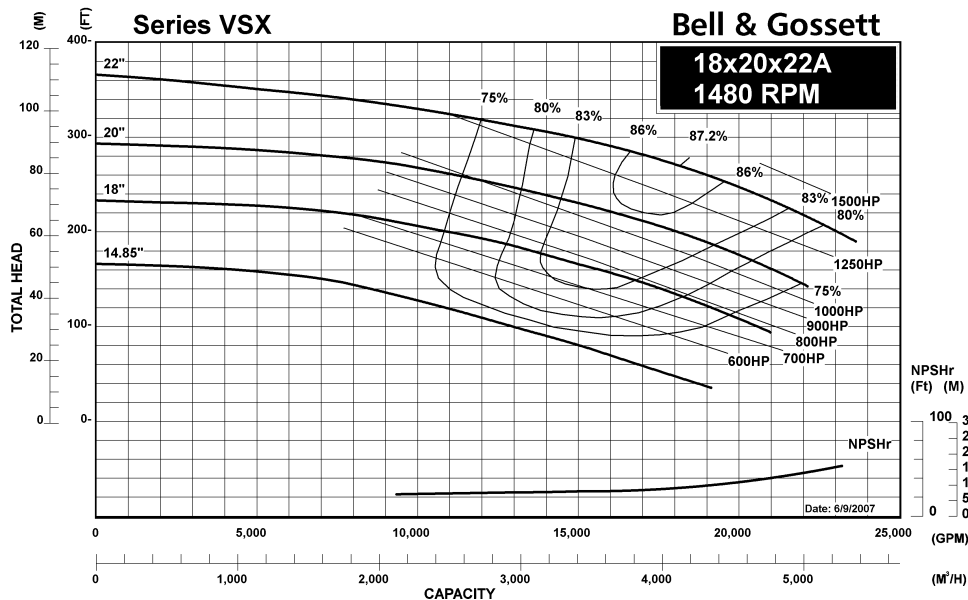
☒ ISO 1940-1:2003 Impeller Balance

## 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, Balanced mechanical seal, EPR/Graphite loaded Silicon Carbide on 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, 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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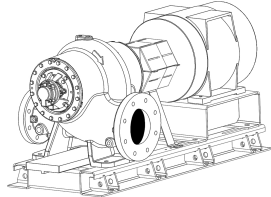
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DATE:

CONTRACTOR:

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DATE:



## Model VSH 18x20x22A Double Suction Split Case Pump



**VSH**  
REVOLUTION-X™

### SPECIFICATIONS

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

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

VOLTS \_\_\_\_\_

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

ENCLOSURE \_\_\_\_\_

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

SPECIALS \_\_\_\_\_

### STANDARD MATERIALS OF CONSTRUCTION

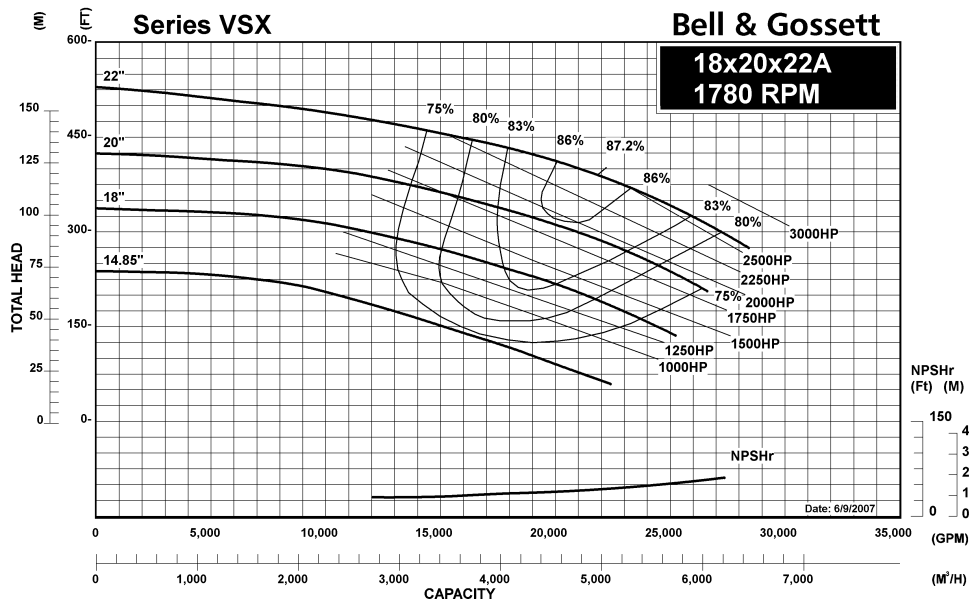
- ☒ Cast Ductile Iron, Bronze Fitted
- ☒ Heavy Duty Maintenance Free Bearings
- ☒ Alignment Friendly Coupling (Less Than 1500 HP)
- ☒ Heavy Duty Groutless Baseplate
- ☒ ANSI/OSHA Coupling Guard
- ☒ ISO 1940-1:2003 Impeller Balance

### OPTIONAL MATERIALS OF CONSTRUCTION

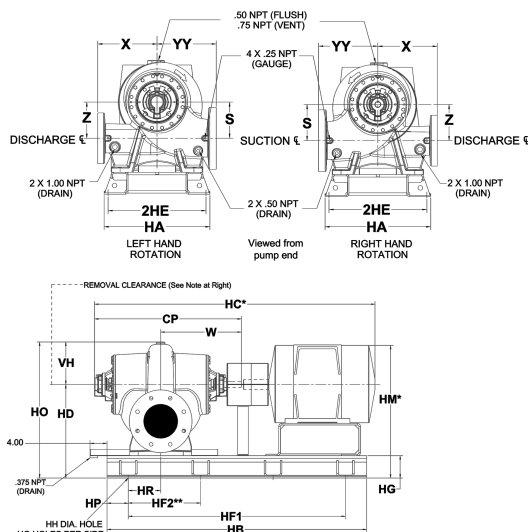
- ☐ Galvanized Drip Pan
- ☐ Spacer Coupling

### TYPE OF SEAL AND WORKING PRESSURE

- ☐ **Standard:** 175 PSIG (12 BAR) max. working pressure, flat face flanges, 125# ANSI flange drilling, Balanced mechanical seal, EPR/Graphite loaded Silicon Carbide on 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, 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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\*Motor dimensions are approximate and vary by manufacturer and motor type.

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

For all customers supplied motors above 449 NEMA frame, a certified motor drawing must be supplied by the customer at time of order entry. Submittal dimensions for motor frames above 449 NEMA are specific to ODP U.S. Electric Motors only.

| MOTOR FRAME | DIMENSIONS - INCHES (mm) FOR STANDARD COUPLER |                |                 |                  |                 |                |                 |                     |                   |              |                  |                 |            |    |
|-------------|-----------------------------------------------|----------------|-----------------|------------------|-----------------|----------------|-----------------|---------------------|-------------------|--------------|------------------|-----------------|------------|----|
|             | CP                                            | HA             | HB              | HC*              | HD              | 2HE            | HF <sub>1</sub> | HF <sub>2</sub> *** | HG                | HH           | HM*              | HO              | HP         | HQ |
| 447T/TS     | 66.95<br>(1701)                               | 53<br>(1346)   | 108<br>(2743)   | 119.81<br>(3043) | 42.13<br>(1070) | 50<br>(1270)   | 98<br>(2489)    | 24.5<br>(622)       | 9.38<br>(238)     | 1.37<br>(35) | 56.01<br>(1423)  | 62.38<br>(1584) | 5<br>(127) | 5  |
| 449T/TS     | 66.95<br>(1701)                               | 53<br>(1346)   | 108<br>(2743)   | 120.51<br>(3061) | 42.13<br>(1070) | 50<br>(1270)   | 98<br>(2489)    | 24.5<br>(622)       | 9.38<br>(238)     | 1.37<br>(35) | 56.01<br>(1423)  | 62.38<br>(1584) | 5<br>(127) | 5  |
| 449TM**     | 66.95<br>(1701)                               | 53<br>(1346)   | 108<br>(2743)   | 120.51<br>(3061) | 42.13<br>(1070) | 50<br>(1270)   | 98<br>(2489)    | 24.5<br>(622)       | 9.38<br>(238)     | 1.37<br>(35) | 56.01<br>(1423)  | 62.38<br>(1584) | 5<br>(127) | 5  |
| 5010S**     | 66.95<br>(1701)                               | 53<br>(1346)   | 123.5<br>(3137) | 123.83<br>(3145) | 42.13<br>(1070) | 50<br>(1270)   | 113.5<br>(2883) | 28.38<br>(721)      | 9.38<br>(238)     | 1.37<br>(35) | 56.63<br>(1438)  | 62.38<br>(1584) | 5<br>(127) | 5  |
| 5010MS**    | 66.95<br>(1701)                               | 53<br>(1346)   | 123.5<br>(3137) | 122.83<br>(3120) | 42.13<br>(1070) | 50<br>(1270)   | 113.5<br>(2883) | 28.38<br>(721)      | 9.38<br>(238)     | 1.37<br>(35) | 56.63<br>(1438)  | 62.38<br>(1584) | 5<br>(127) | 5  |
| 5012S**     | 66.95<br>(1701)                               | 53<br>(1346)   | 123.5<br>(3137) | 131.83<br>(3348) | 42.13<br>(1070) | 50<br>(1270)   | 113.5<br>(2883) | 28.38<br>(721)      | 9.38<br>(238)     | 1.37<br>(35) | 56.63<br>(1438)  | 62.38<br>(1584) | 5<br>(127) | 5  |
| 5012MS**    | 66.95<br>(1701)                               | 53<br>(1346)   | 123.5<br>(3137) | 130.83<br>(3323) | 42.13<br>(1070) | 50<br>(1270)   | 113.5<br>(2883) | 28.38<br>(721)      | 9.38<br>(238)     | 1.37<br>(35) | 56.63<br>(1438)  | 62.38<br>(1584) | 5<br>(127) | 5  |
| 5810M**     | 66.95<br>(1701)                               | 55<br>(1397)   | 137<br>(3480)   | 131.83<br>(3349) | 44.13<br>(1121) | 52<br>(1321)   | 127<br>(3226)   | 25.4<br>(645)       | 11.38<br>(289)    | 1.37<br>(35) | 60.69<br>(1542)  | 64.38<br>(1635) | 5<br>(127) | 6  |
| 5811M**     | 66.95<br>(1701)                               | 55<br>(1397)   | 137<br>(3480)   | 135.83<br>(3450) | 44.13<br>(1121) | 52<br>(1321)   | 127<br>(3226)   | 25.4<br>(645)       | 11.38<br>(289)    | 1.37<br>(35) | 60.69<br>(1542)  | 64.38<br>(1635) | 5<br>(127) | 6  |
| 5812M**     | 66.95<br>(1701)                               | 55<br>(1397)   | 137<br>(3480)   | 140.83<br>(3577) | 44.13<br>(1121) | 52<br>(1321)   | 127<br>(3226)   | 25.4<br>(645)       | 11.38<br>(289)    | 1.37<br>(35) | 60.69<br>(1542)  | 64.38<br>(1635) | 5<br>(127) | 6  |
| 5813M**     | 66.95<br>(1701)                               | 55<br>(1397)   | 137<br>(3480)   | 145.83<br>(3704) | 44.13<br>(1121) | 52<br>(1321)   | 127<br>(3226)   | 25.4<br>(645)       | 11.38<br>(289)    | 1.37<br>(35) | 60.69<br>(1542)  | 64.38<br>(1635) | 5<br>(127) | 6  |
| 6811S**     | 66.95<br>(1701)                               | 55<br>(1397)   | 137<br>(3480)   | 148.33<br>(3768) | 44.13<br>(1121) | 52<br>(1321)   | 127<br>(3226)   | 25.4<br>(645)       | 11.38<br>(289)    | 1.37<br>(35) | 61.26<br>(1556)  | 64.38<br>(1635) | 5<br>(127) | 6  |
| 6811MS**    | 66.95<br>(1701)                               | 55<br>(1397)   | 137<br>(3480)   | 148.33<br>(3768) | 44.13<br>(1121) | 52<br>(1321)   | 127<br>(3226)   | 25.4<br>(645)       | 11.38<br>(289)    | 1.37<br>(35) | 61.26<br>(1556)  | 64.38<br>(1635) | 5<br>(127) | 6  |
| 8009S**     | 66.95<br>(1700.53)                            | 55<br>(1397)   | 164<br>(4166)   | 155.33<br>(3945) | 44.13<br>(1121) | 52<br>(1321)   | 153.6<br>(3901) | 25.6<br>(650)       | 11.38<br>(289)    | 1.37<br>(35) | 99.51<br>(2528)  | 64.38<br>(1635) | 5<br>(127) | 6  |
| 8010S**     | 66.95<br>(1701)                               | 55<br>(1397)   | 164<br>(4166)   | 161.33<br>(4098) | 44.13<br>(1121) | 52<br>(1321)   | 153.6<br>(3901) | 25.6<br>(650)       | 11.38<br>(289)    | 1.37<br>(35) | 99.51<br>(2528)  | 64.38<br>(1635) | 5<br>(127) | 6  |
| 5807S**     | 66.95<br>(1700.53)                            | 53<br>(1346.2) | 124<br>(3149.6) | 126.45<br>(3212) | 42.13<br>(1070) | 50<br>(1270)   | 114<br>(2896)   | 28.5<br>(724)       | 9.38<br>(238.25)  | 1.37<br>(35) | 57.69<br>(1465)  | 62.38<br>(1584) | 5<br>(127) | 5  |
| 5809S**     | 66.95<br>(1700.53)                            | 53<br>(1346.2) | 124<br>(3149.6) | 133.45<br>(3390) | 42.13<br>(1070) | 50<br>(1270)   | 114<br>(2896)   | 28.5<br>(724)       | 9.38<br>(238.25)  | 1.37<br>(35) | 57.69<br>(1465)  | 62.38<br>(1584) | 5<br>(127) | 5  |
| 5811S**     | 66.95<br>(1700.53)                            | 53<br>(1346.2) | 124<br>(3149.6) | 141.45<br>(3593) | 42.13<br>(1070) | 50<br>(1270)   | 114<br>(2896)   | 28.5<br>(724)       | 9.38<br>(238.25)  | 1.37<br>(35) | 57.69<br>(1465)  | 62.38<br>(1584) | 5<br>(127) | 5  |
| 5811+M**    | 66.95<br>(1700.53)                            | 55<br>(1397)   | 137<br>(3479.8) | 153.39<br>(3896) | 44.13<br>(1121) | 52<br>(1320.8) | 127<br>(3226)   | 25.4<br>(645)       | 11.38<br>(289.05) | 1.37<br>(35) | 112.26<br>(2851) | 64.38<br>(1635) | 5<br>(127) | 6  |
| 5812+M**    | 66.95<br>(1700.53)                            | 55<br>(1397)   | 137<br>(3479.8) | 158.39<br>(4023) | 44.13<br>(1121) | 52<br>(1320.8) | 127<br>(3226)   | 25.4<br>(645)       | 11.38<br>(289.05) | 1.37<br>(35) | 112.26<br>(2851) | 64.38<br>(1635) | 5<br>(127) | 6  |
| 5813+M**    | 66.95<br>(1700.53)                            | 55<br>(1397)   | 137<br>(3479.8) | 163.39<br>(4150) | 44.13<br>(1121) | 52<br>(1320.8) | 127<br>(3226)   | 25.4<br>(645)       | 11.38<br>(289.05) | 1.37<br>(35) | 112.26<br>(2851) | 64.38<br>(1635) | 5<br>(127) | 6  |
| 8008S+**    | 66.95<br>(1700.53)                            | 55<br>(1397)   | 148.5<br>(3772) | 171.14<br>(4347) | 44.13<br>(1121) | 52<br>(1320.8) | 138.5<br>(3518) | 27.5<br>(699)       | 11.38<br>(289.05) | 1.37<br>(35) | 121.01<br>(3074) | 64.38<br>(1635) | 5<br>(127) | 6  |
| 8009S+**    | 66.95<br>(1700.53)                            | 55<br>(1397)   | 148.5<br>(3772) | 176.14<br>(4474) | 44.13<br>(1121) | 52<br>(1320.8) | 138.5<br>(3518) | 27.5<br>(699)       | 11.38<br>(289.05) | 1.37<br>(35) | 121.01<br>(3074) | 64.38<br>(1635) | 5<br>(127) | 6  |

\*\*US Electric Motors Only

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.

#### FLANGE DIMENSIONS IN INCHES (MM)

|           | SIZE | THICKNESS | O.D.       |
|-----------|------|-----------|------------|
| Discharge | 18"  | 2.57 (65) | 27.5 (699) |
| Suction   | 20"  | 2.69 (68) | 30 (762)   |

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

#### DIMENSIONS IN INCHES (MM)

| S           | X           | Z           |
|-------------|-------------|-------------|
| 17<br>(432) | 34<br>(864) | 17<br>(432) |

Removal clearance from end  
of bracket: 47 Inches (1194 mm)

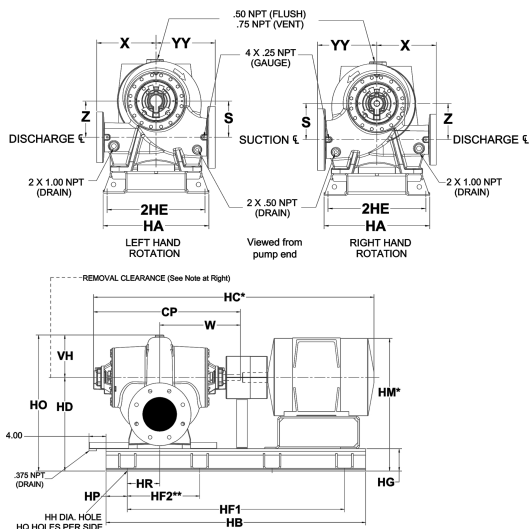
## STANDARD COUPLER

Motors weighing over 5,000 lbs. will be shipped  
separate and unmounted.

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



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

For all customers supplied motors above 449 NEMA frame, a certified motor drawing must be supplied by the customer at time of order entry. Submittal dimensions for motor frames above 449 NEMA are specific to ODP U.S. Electric Motors only.

| MOTOR FRAME | DIMENSIONS - INCHES (mm) FOR SPACER COUPLER**** |                |                 |                  |                 |                |                 |                     |                   |              |                  |                 |            |    |             |                   |
|-------------|-------------------------------------------------|----------------|-----------------|------------------|-----------------|----------------|-----------------|---------------------|-------------------|--------------|------------------|-----------------|------------|----|-------------|-------------------|
|             | CP                                              | HA             | HB              | HC*              | HD              | 2HE            | HF <sub>1</sub> | HF <sub>2</sub> *** | HG                | HH           | HM*              | HO              | HP         | HQ | HR          | W                 |
| 447T/TS     | 66.95<br>(1701)                                 | 53<br>(1346)   | 122.5<br>(3112) | 134.81<br>(3424) | 42.13<br>(1070) | 50<br>(1270)   | 113<br>(2870)   | 28.25<br>(718)      | 9.38<br>(238)     | 1.37<br>(35) | 56.01<br>(1423)  | 62.38<br>(1584) | 5<br>(127) | 5  | 20<br>(508) | 37.18<br>(944)    |
| 449T/TS     | 66.95<br>(1701)                                 | 53<br>(1346)   | 122.5<br>(3112) | 135.51<br>(3442) | 42.13<br>(1070) | 50<br>(1270)   | 113<br>(2870)   | 28.25<br>(718)      | 9.38<br>(238)     | 1.37<br>(35) | 56.01<br>(1423)  | 62.38<br>(1584) | 5<br>(127) | 5  | 20<br>(508) | 37.18<br>(944)    |
| 449TM**     | 66.95<br>(1701)                                 | 53<br>(1346)   | 122.5<br>(3112) | 135.51<br>(3442) | 42.13<br>(1070) | 50<br>(1270)   | 113<br>(2870)   | 28.25<br>(718)      | 9.38<br>(238)     | 1.37<br>(35) | 56.01<br>(1423)  | 62.38<br>(1584) | 5<br>(127) | 5  | 20<br>(508) | 37.18<br>(944)    |
| 5010S**     | 66.95<br>(1701)                                 | 53<br>(1346)   | 138.5<br>(3518) | 139.33<br>(3539) | 42.13<br>(1070) | 50<br>(1270)   | 128.5<br>(3264) | 25.7<br>(653)       | 9.38<br>(238)     | 1.37<br>(35) | 56.63<br>(1438)  | 62.38<br>(1584) | 5<br>(127) | 6  | 20<br>(508) | 37.18<br>(944)    |
| 5010MS**    | 66.95<br>(1701)                                 | 53<br>(1346)   | 138.5<br>(3518) | 138.33<br>(3514) | 42.13<br>(1070) | 50<br>(1270)   | 128.5<br>(3264) | 25.7<br>(653)       | 9.38<br>(238)     | 1.37<br>(35) | 56.63<br>(1438)  | 62.38<br>(1584) | 5<br>(127) | 6  | 20<br>(508) | 37.18<br>(944)    |
| 5012S**     | 66.95<br>(1701)                                 | 53<br>(1346)   | 138.5<br>(3518) | 147.33<br>(3742) | 42.13<br>(1070) | 50<br>(1270)   | 128.5<br>(3264) | 25.7<br>(653)       | 9.38<br>(238)     | 1.37<br>(35) | 56.63<br>(1438)  | 62.38<br>(1584) | 5<br>(127) | 6  | 20<br>(508) | 37.18<br>(944)    |
| 5012MS**    | 66.95<br>(1701)                                 | 53<br>(1346)   | 138.5<br>(3518) | 146.33<br>(3717) | 42.13<br>(1070) | 50<br>(1270)   | 128.5<br>(3264) | 25.7<br>(653)       | 9.38<br>(238)     | 1.37<br>(35) | 56.63<br>(1438)  | 62.38<br>(1584) | 5<br>(127) | 6  | 20<br>(508) | 37.18<br>(944)    |
| 5810M**     | 66.95<br>(1701)                                 | 55<br>(1397)   | 152<br>(3861)   | 146.83<br>(3730) | 44.13<br>(1121) | 52<br>(1321)   | 142<br>(3607)   | 28.4<br>(721)       | 11.38<br>(289)    | 1.37<br>(35) | 60.69<br>(1542)  | 64.38<br>(1635) | 5<br>(127) | 6  | 20<br>(508) | 37.18<br>(944)    |
| 5811M**     | 66.95<br>(1701)                                 | 55<br>(1397)   | 152<br>(3861)   | 150.83<br>(3831) | 44.13<br>(1121) | 52<br>(1321)   | 142<br>(3607)   | 28.4<br>(721)       | 11.38<br>(289)    | 1.37<br>(35) | 60.69<br>(1542)  | 64.38<br>(1635) | 5<br>(127) | 6  | 20<br>(508) | 37.18<br>(944)    |
| 5812M**     | 66.95<br>(1701)                                 | 55<br>(1397)   | 152<br>(3861)   | 155.83<br>(3958) | 44.13<br>(1121) | 52<br>(1321)   | 142<br>(3607)   | 28.4<br>(721)       | 11.38<br>(289)    | 1.37<br>(35) | 60.69<br>(1542)  | 64.38<br>(1635) | 5<br>(127) | 6  | 20<br>(508) | 37.18<br>(944)    |
| 5813M**     | 66.95<br>(1701)                                 | 55<br>(1397)   | 152<br>(3861)   | 160.83<br>(4085) | 44.13<br>(1121) | 52<br>(1321)   | 142<br>(3607)   | 28.4<br>(721)       | 11.38<br>(289)    | 1.37<br>(35) | 60.69<br>(1542)  | 64.38<br>(1635) | 5<br>(127) | 6  | 20<br>(508) | 37.18<br>(944)    |
| 6811S**     | 66.95<br>(1701)                                 | 55<br>(1397)   | 152<br>(3861)   | 163.33<br>(4149) | 44.13<br>(1121) | 52<br>(1321)   | 142<br>(3607)   | 28.4<br>(721)       | 11.38<br>(289)    | 1.37<br>(35) | 61.26<br>(1556)  | 64.38<br>(1635) | 5<br>(127) | 6  | 20<br>(508) | 37.18<br>(944)    |
| 6811MS**    | 66.95<br>(1701)                                 | 55<br>(1397)   | 152<br>(3861)   | 163.33<br>(4149) | 44.13<br>(1121) | 52<br>(1321)   | 142<br>(3607)   | 28.4<br>(721)       | 11.38<br>(289)    | 1.37<br>(35) | 61.26<br>(1556)  | 64.38<br>(1635) | 5<br>(127) | 6  | 20<br>(508) | 37.18<br>(944)    |
| 8009S**     | 66.95<br>(1701)                                 | 55<br>(1397)   | 164<br>(4165)   | 170.33<br>(4326) | 44.13<br>(1121) | 52<br>(1321)   | 153.6<br>(3901) | 25.6<br>(650)       | 11.38<br>(289)    | 1.37<br>(35) | 94.01<br>(2388)  | 64.38<br>(1635) | 5<br>(127) | 7  | 20<br>(508) | 37.18<br>(944)    |
| 8010S**     | 66.95<br>(1701)                                 | 55<br>(1397)   | 164<br>(4165)   | 176.33<br>(4479) | 44.13<br>(1121) | 52<br>(1321)   | 153.6<br>(3901) | 25.6<br>(650)       | 11.38<br>(289)    | 1.37<br>(35) | 94.01<br>(2388)  | 64.38<br>(1635) | 5<br>(127) | 7  | 20<br>(508) | 37.18<br>(944)    |
| 5807S**     | 66.95<br>(1700.53)                              | 53<br>(1346.2) | 139<br>(3530.6) | 141.45<br>(3593) | 42.13<br>(1070) | 50<br>(1270)   | 129<br>(3277)   | 25.8<br>(655)       | 9.38<br>(238.25)  | 1.37<br>(35) | 57.69<br>(1465)  | 62.38<br>(1584) | 5<br>(127) | 6  | 20<br>(508) | 37.19<br>(944.62) |
| 5809S**     | 66.95<br>(1700.53)                              | 53<br>(1346.2) | 139<br>(3530.6) | 148.45<br>(3771) | 42.13<br>(1070) | 50<br>(1270)   | 129<br>(3277)   | 25.8<br>(655)       | 9.38<br>(238.25)  | 1.37<br>(35) | 57.69<br>(1465)  | 62.38<br>(1584) | 5<br>(127) | 6  | 20<br>(508) | 37.19<br>(944.62) |
| 5811S**     | 66.95<br>(1700.53)                              | 53<br>(1346.2) | 139<br>(3530.6) | 156.45<br>(3974) | 42.13<br>(1070) | 50<br>(1270)   | 129<br>(3277)   | 25.8<br>(655)       | 9.38<br>(238.25)  | 1.37<br>(35) | 57.69<br>(1465)  | 62.38<br>(1584) | 5<br>(127) | 6  | 20<br>(508) | 37.19<br>(944.62) |
| 5811+M**    | 66.95<br>(1700.53)                              | 55<br>(1397)   | 152<br>(3860.8) | 168.39<br>(4277) | 44.13<br>(1121) | 52<br>(1320.8) | 142<br>(3607)   | 28.4<br>(721)       | 11.38<br>(289.05) | 1.37<br>(35) | 112.26<br>(2851) | 64.38<br>(1635) | 5<br>(127) | 6  | 20<br>(508) | 37.18<br>(944.37) |
| 5812+M**    | 66.95<br>(1700.53)                              | 55<br>(1397)   | 152<br>(3860.8) | 173.39<br>(4404) | 44.13<br>(1121) | 52<br>(1320.8) | 142<br>(3607)   | 28.4<br>(721)       | 11.38<br>(289.05) | 1.37<br>(35) | 112.26<br>(2851) | 64.38<br>(1635) | 5<br>(127) | 6  | 20<br>(508) | 37.18<br>(944.37) |
| 5813+M**    | 66.95<br>(1700.53)                              | 55<br>(1397)   | 152<br>(3860.8) | 178.39<br>(4531) | 44.13<br>(1121) | 52<br>(1320.8) | 142<br>(3607)   | 28.4<br>(721)       | 11.38<br>(289.05) | 1.37<br>(35) | 112.26<br>(2851) | 64.38<br>(1635) | 5<br>(127) | 6  | 20<br>(508) | 37.18<br>(944.37) |
| 8008S+**    | 66.95<br>(1700.53)                              | 55<br>(1397)   | 164<br>(4166)   | 186.14<br>(4728) | 44.13<br>(1121) | 52<br>(1320.8) | 153.6<br>(3901) | 25.6<br>(650)       | 11.38<br>(289.05) | 1.37<br>(35) | 121.01<br>(3074) | 64.38<br>(1635) | 5<br>(127) | 7  | 20<br>(508) | 37.18<br>(944.37) |
| 8009S+**    | 66.95<br>(1700.53)                              | 55<br>(1397)   | 164<br>(4166)   | 191.14<br>(4855) | 44.13<br>(1121) | 52<br>(1320.8) | 153.6<br>(3901) | 25.6<br>(650)       | 11.38<br>(289.05) | 1.37<br>(35) | 121.01<br>(3074) | 64.38<br>(1635) | 5<br>(127) | 7  | 20<br>(508) | 37.18<br>(944.37) |

\*\*US Electric Motors Only

**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.

\*\*\*\*These dimensions are valid when using the Woods DuraFlex (up to 1000HP @ 1780 RPM), or Dodge ParaFlex (up to 700HP at 1780 RPM) spacer coupling option. For dimensions on Falk SteelFlex coupling options, consult factory for a special submittal drawing.

| FLANGE DIMENSIONS IN INCHES (MM) |      |           |            |
|----------------------------------|------|-----------|------------|
|                                  | SIZE | THICKNESS | O.D.       |
| Discharge                        | 18"  | 2.57 (65) | 27.5 (699) |
| Suction                          | 20"  | 2.69 (68) | 30 (762)   |

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

| DIMENSIONS IN INCHES (MM) |             |             |
|---------------------------|-------------|-------------|
| S                         | X           | Z           |
| 17<br>(432)               | 34<br>(864) | 17<br>(432) |

Removal clearance from end  
of bracket: 47 Inches (1194 mm)

## SPACER COUPLER

**Motors weighing over 5,000 lbs. will be shipped separate and unmounted.**

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



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JOB:

REPRESENTATIVE:

UNIT TAG:

ORDER NO.

DATE:

ENGINEER:

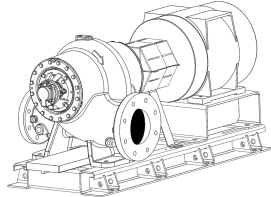
SUBMITTED BY:

DATE:

CONTRACTOR:

APPROVED BY:

DATE:



# **Model VSH** **18x20x22A** **Double Suction Split Case Pump**



## **SPECIFICATIONS**

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

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

VOLTS \_\_\_\_\_

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

ENCLOSURE \_\_\_\_\_

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

SPECIALS \_\_\_\_\_

## **STANDARD MATERIALS OF CONSTRUCTION**

- ☒ Cast Ductile Iron, Bronze Fitted
- ☒ Heavy Duty Maintenance Free Bearings
- ☒ Alignment Friendly Coupling (Less Than 1500 HP)

☒ 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, Balanced mechanical seal, EPR/Graphite loaded Silicon Carbide on 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, 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)

