

JOB:

REPRESENTATIVE:

UNIT TAG:

ORDER NO.

DATE:

ENGINEER:

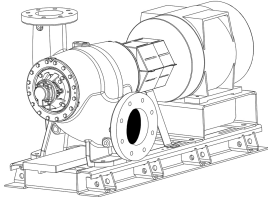
SUBMITTED BY:

DATE:

CONTRACTOR:

APPROVED BY:

DATE:



# Model VSCS 8x10x22A Double Suction Split Case Pump



## SPECIFICATIONS

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

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

VOLTS \_\_\_\_\_

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

ENCLOSURE \_\_\_\_\_

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

SPECIALS \_\_\_\_\_

## STANDARD MATERIALS OF CONSTRUCTION

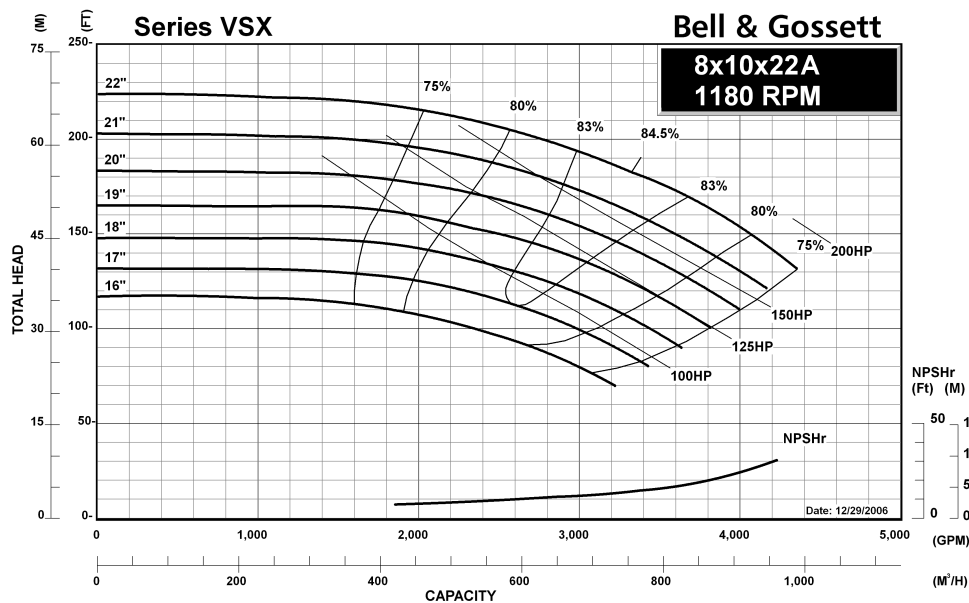
- ☒ Cast Iron Bronze Fitted
- ☒ Heavy Duty Maintenance Free Bearings
- ☒ Alignment Friendly Coupling
- ☒ Heavy Duty Groutless Baseplate
- ☒ ANSI/OSHA Coupling Guard
- ☒ ISO 1940-1:2003 Impeller Balance

## 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)



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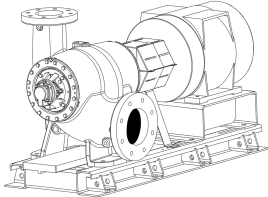
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ENCLOSURE \_\_\_\_\_

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

SPECIALS \_\_\_\_\_

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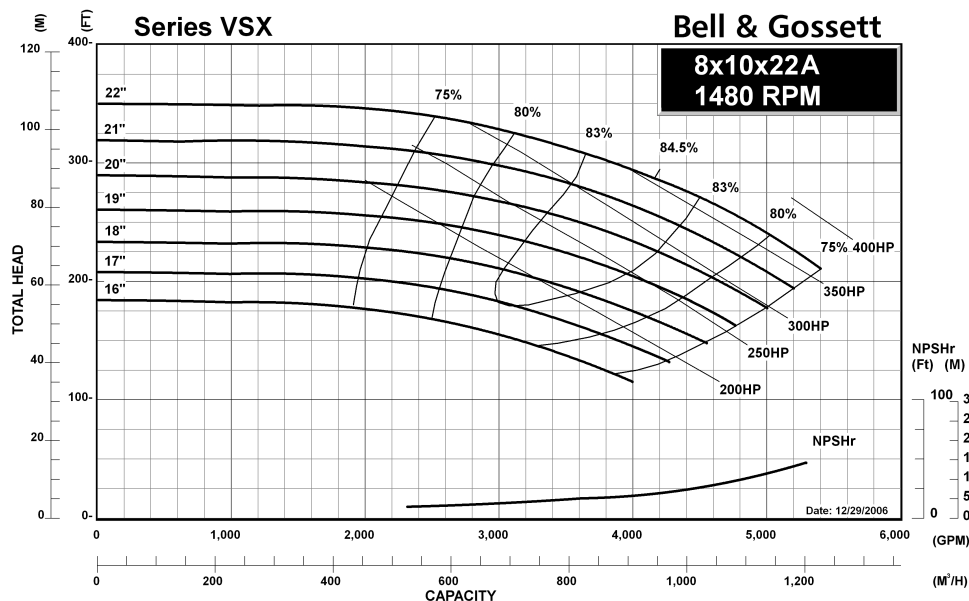
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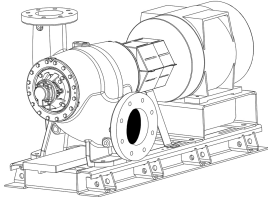
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HP \_\_\_\_\_ RPM \_\_\_\_\_

VOLTS \_\_\_\_\_

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

ENCLOSURE \_\_\_\_\_

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

SPECIALS \_\_\_\_\_

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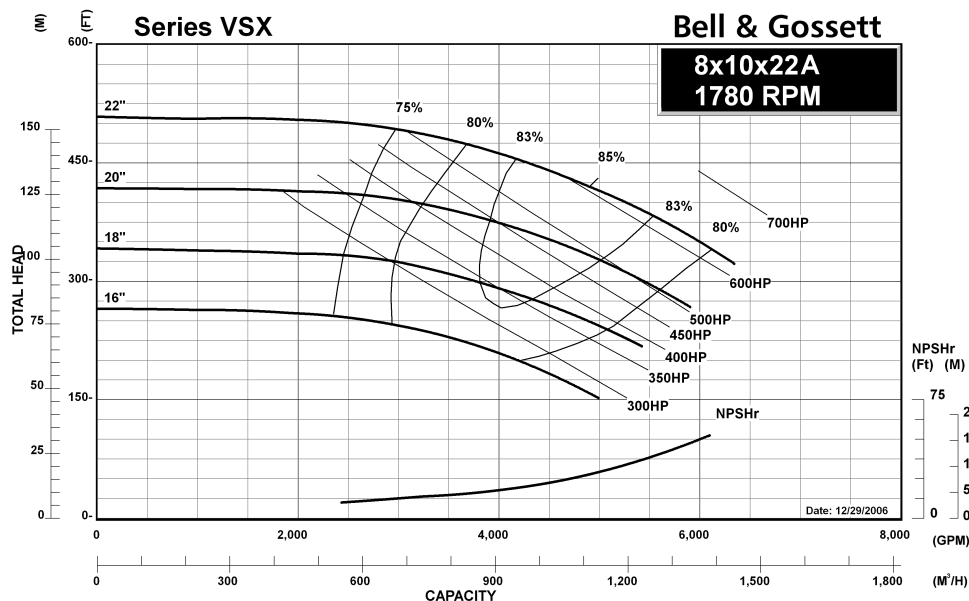
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## OPTIONAL MATERIALS OF CONSTRUCTION

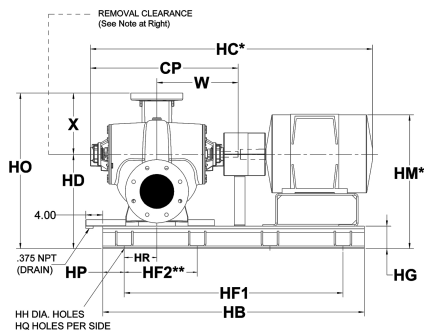
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**B-857.8D**



\*\*Distance to the next available hole.

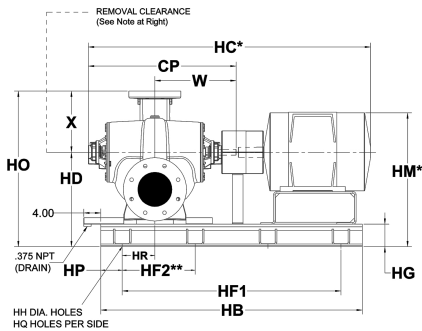
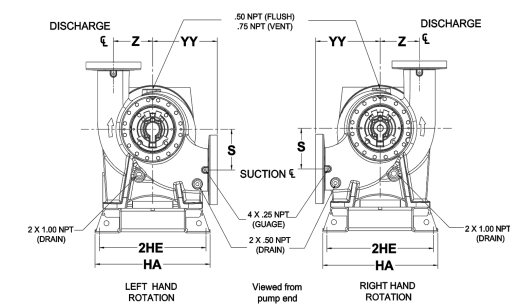
**FLANGES ARE DRILLED 125# ANSI - STANDARD**  
**250# ANSI - AVAILABLE**

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

## STANDARD COUPLER

**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.





\*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              |
| 13.75<br>(349)            | 23<br>(584) | 23<br>(584) | 13.75<br>(349) |

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* MAX.         | HD             | 2HE            | HF <sub>1</sub> | HF <sub>2</sub> ** | HG            | HH            | HM* MAX.        | HO              | HP         | HQ | HR             | W              |
| 364T/TS      | 41.4<br>(1052)                                         | 41<br>(1041) | 96<br>(2438)  | 86.859<br>(2206) | 31.5<br>(800)  | 39.12<br>(994) | 86<br>(2184)    | 17.2<br>(437)      | 7<br>(178)    | 1.13<br>(29)  | 41.45<br>(1053) | 54.5<br>(1384)  | 5<br>(127) | 6  | 14.75<br>(375) | 23.21<br>(590) |
| 365T/TS      | 41.4<br>(1052)                                         | 41<br>(1041) | 96<br>(2438)  | 86.859<br>(2206) | 31.5<br>(800)  | 39.12<br>(994) | 86<br>(2184)    | 17.2<br>(437)      | 7<br>(178)    | 1.13<br>(29)  | 41.45<br>(1053) | 54.5<br>(1384)  | 5<br>(127) | 6  | 14.75<br>(375) | 23.21<br>(590) |
| 404T/TS      | 41.4<br>(1052)                                         | 41<br>(1041) | 105<br>(2667) | 89.46<br>(2272)  | 31.5<br>(800)  | 39.12<br>(994) | 95<br>(2413)    | 19<br>(483)        | 7<br>(178)    | 1.13<br>(29)  | 41.97<br>(1066) | 54.5<br>(1384)  | 5<br>(127) | 6  | 14.75<br>(375) | 23.21<br>(590) |
| 405T/TS      | 41.4<br>(1052)                                         | 41<br>(1041) | 105<br>(2667) | 91.46<br>(2323)  | 31.5<br>(800)  | 39.12<br>(994) | 95<br>(2413)    | 19<br>(483)        | 7<br>(178)    | 1.13<br>(29)  | 41.97<br>(1066) | 54.5<br>(1384)  | 5<br>(127) | 6  | 14.75<br>(375) | 23.21<br>(590) |
| 444T/TS      | 41.4<br>(1052)                                         | 41<br>(1041) | 105<br>(2667) | 96.926<br>(2462) | 31.5<br>(800)  | 39.12<br>(994) | 95<br>(2413)    | 19<br>(483)        | 7<br>(178)    | 1.13<br>(29)  | 47.02<br>(1194) | 54.5<br>(1384)  | 5<br>(127) | 6  | 14.75<br>(375) | 23.21<br>(590) |
| 445T/TS      | 41.4<br>(1052)                                         | 41<br>(1041) | 105<br>(2667) | 98.53<br>(2503)  | 31.5<br>(800)  | 39.12<br>(994) | 95<br>(2413)    | 19<br>(483)        | 7<br>(178)    | 1.13<br>(29)  | 47.02<br>(1194) | 54.5<br>(1384)  | 5<br>(127) | 6  | 14.75<br>(375) | 23.21<br>(590) |
| 447T/TS      | 41.4<br>(1052)                                         | 41<br>(1041) | 105<br>(2667) | 105.01<br>(2667) | 31.5<br>(800)  | 39.12<br>(994) | 95<br>(2413)    | 19<br>(483)        | 7<br>(178)    | 1.13<br>(29)  | 45.38<br>(1153) | 54.5<br>(1384)  | 5<br>(127) | 6  | 14.75<br>(375) | 23.21<br>(590) |
| 449T/TS      | 41.4<br>(1052)                                         | 41<br>(1041) | 105<br>(2667) | 105.71<br>(2685) | 31.5<br>(800)  | 39.12<br>(994) | 95<br>(2413)    | 19<br>(483)        | 7<br>(178)    | 1.13<br>(29)  | 45.38<br>(1153) | 54.5<br>(1384)  | 5<br>(127) | 6  | 14.75<br>(375) | 23.21<br>(590) |
| 5008S/MS † ‡ | 41.4<br>(1052)                                         | 41<br>(1041) | 105<br>(2667) | 101.53<br>(2579) | 31.5<br>(800)  | 39.12<br>(994) | 95<br>(2413)    | 19<br>(483)        | 7<br>(178)    | 1.13<br>(29)  | 46<br>(1168)    | 54.5<br>(1384)  | 5<br>(127) | 6  | 14.75<br>(375) | 23.21<br>(590) |
| 5010S/MS † ‡ | 41.4<br>(1052)                                         | 41<br>(1041) | 108<br>(2743) | 108.53<br>(2757) | 33.88<br>(861) | 38<br>(965)    | 98<br>(2489)    | 24.5<br>(622)      | 9.38<br>(238) | 1.375<br>(35) | 48.38<br>(1229) | 56.88<br>(1445) | 5<br>(127) | 5  | 13<br>(330)    | 23.21<br>(590) |
| 5807S † ‡    | 41.4<br>(1052)                                         | 41<br>(1041) | 118<br>(2997) | 111.65<br>(2836) | 33.88<br>(861) | 38<br>(965)    | 108<br>(2743)   | 27<br>(686)        | 9.38<br>(238) | 1.375<br>(35) | 49.44<br>(1256) | 56.88<br>(1445) | 5<br>(127) | 5  | 13<br>(330)    | 23.21<br>(590) |
| 5809S † ‡    | 41.4<br>(1052)                                         | 41<br>(1041) | 118<br>(2997) | 118.65<br>(3014) | 33.88<br>(861) | 38<br>(965)    | 108<br>(2743)   | 27<br>(686)        | 9.38<br>(238) | 1.375<br>(35) | 49.44<br>(1256) | 56.88<br>(1445) | 5<br>(127) | 5  | 13<br>(330)    | 23.21<br>(590) |
| 5811S † ‡    | 41.4<br>(1052)                                         | 41<br>(1041) | 118<br>(2997) | 126.65<br>(3217) | 33.88<br>(861) | 38<br>(965)    | 108<br>(2743)   | 27<br>(686)        | 9.38<br>(238) | 1.375<br>(35) | 49.44<br>(1256) | 56.88<br>(1445) | 5<br>(127) | 5  | 13<br>(330)    | 23.21<br>(590) |

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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.  
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