

JOB:

REPRESENTATIVE:

UNIT TAG:

ORDER NO.

DATE:

ENGINEER:

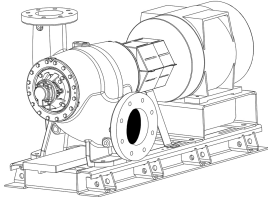
SUBMITTED BY:

DATE:

CONTRACTOR:

APPROVED BY:

DATE:



Model VSCS 10x12x17 $\frac{1}{2}$ B Double Suction Split Case Pump



SPECIFICATIONS

FLOW _____ HEAD _____

HP _____ RPM _____

VOLTS _____

CYCLE _____ PHASE _____

ENCLOSURE _____

APPROX. WEIGHT _____

SPECIALS _____

STANDARD MATERIALS OF CONSTRUCTION

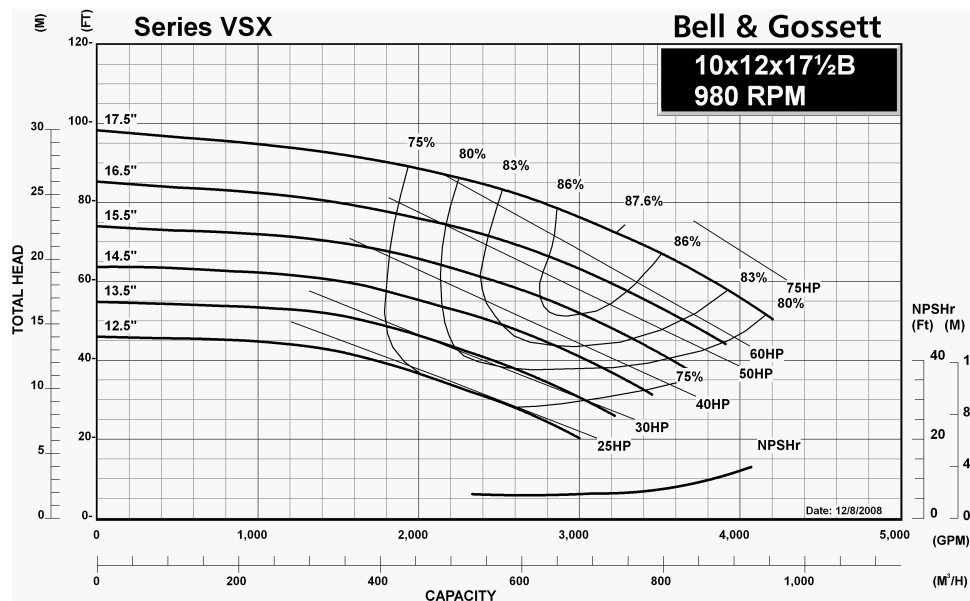
- ☒ Cast Iron Bronze Fitted
- ☒ Heavy Duty Maintenance Free Bearings
- ☒ Alignment Friendly Coupling
- ☒ Heavy Duty Groutless Baseplate
- ☒ ANSI/OSHA Coupling Guard
- ☒ ISO 1940-1:2003 Impeller Balance

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)
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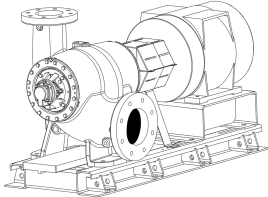
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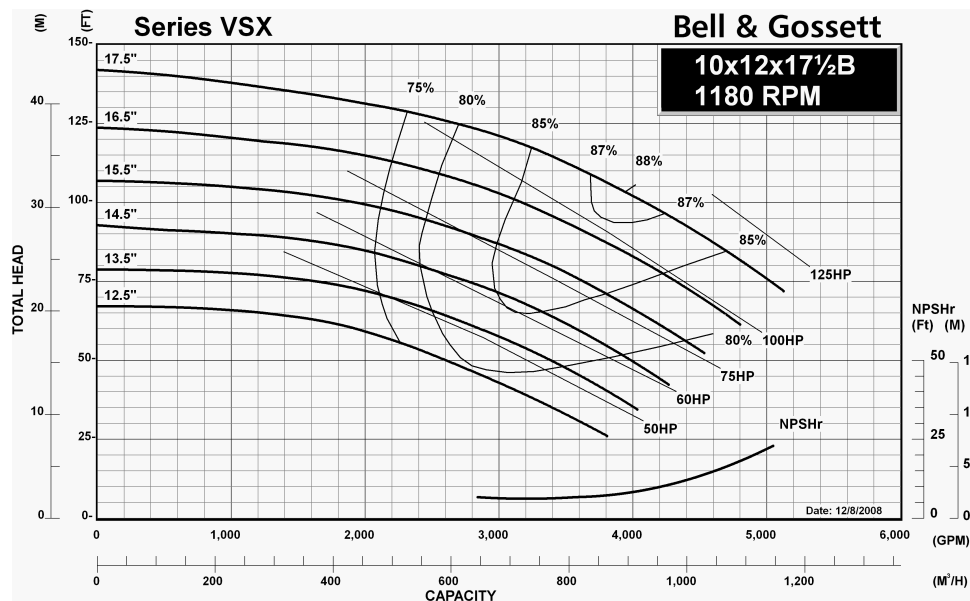
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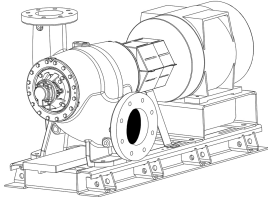
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STANDARD MATERIALS OF CONSTRUCTION

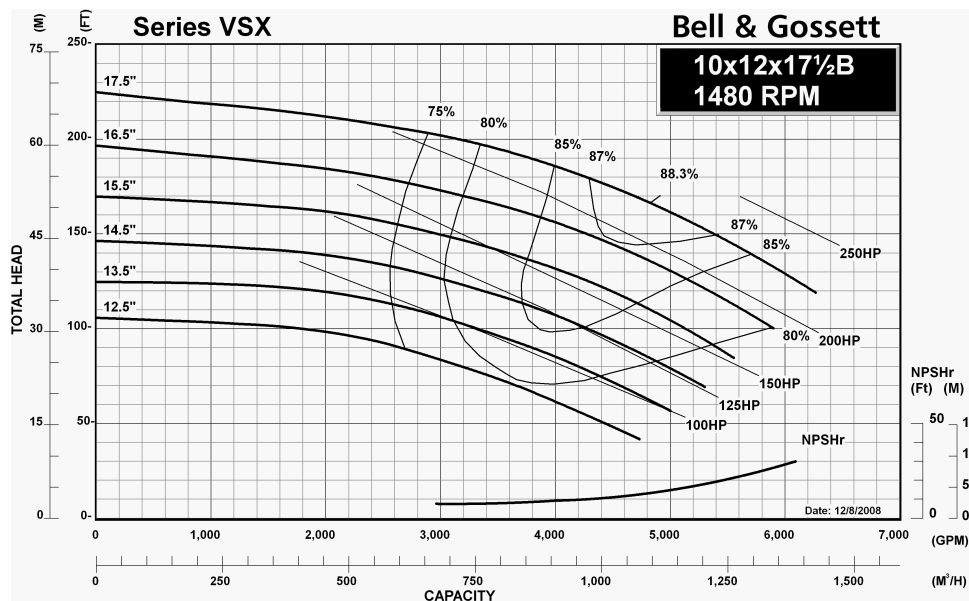
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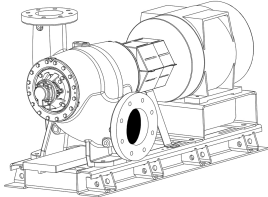
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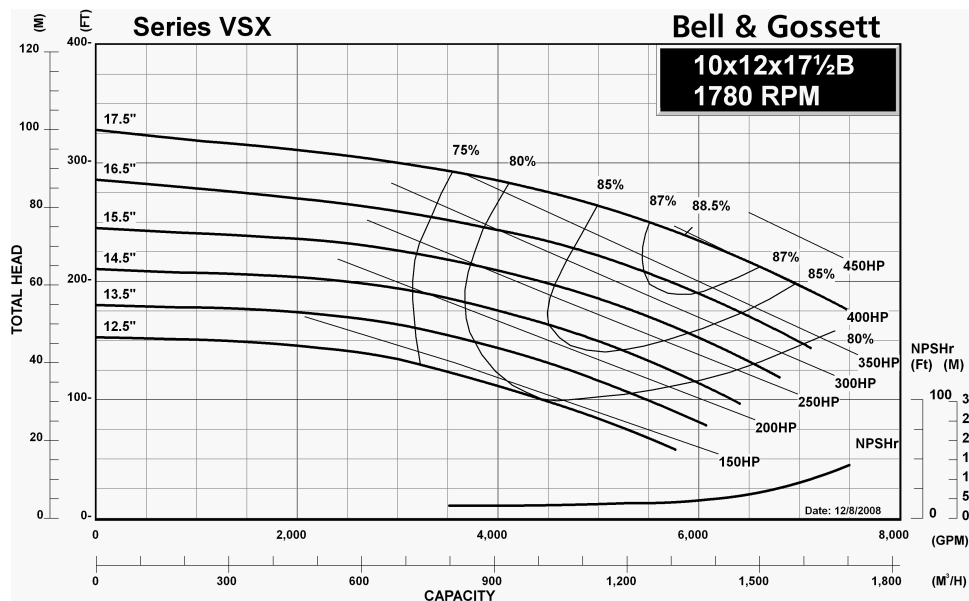
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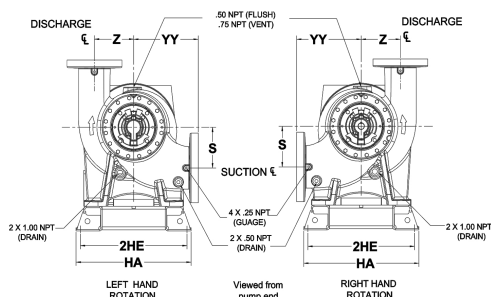
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Model VSCS 10x12x17½B Centrifugal Pump Submittal

B-867.8B



FLANGE DIMENSIONS IN INCHES (MM)			
	SIZE	THICKNESS	O.D.
Discharge	10"	2.13 (54)	17.00 (432)
Suction	12"	2.25 (57)	20.25 (514)

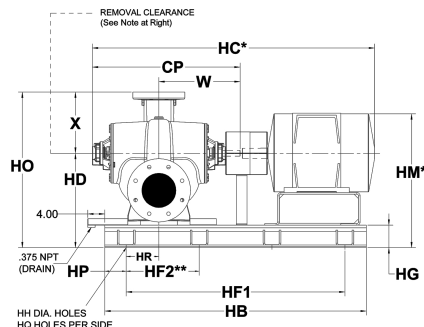
FLANGES ARE 125# ANSI - STANDARD

250# ANSI - AVAILABLE

DIMENSIONS IN INCHES (MM)			
S	X	YY	Z
13 (330)	22 (559)	22 (559)	13 (330)

Removal clearance from end
of bracket: 30 Inches (762 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
365T/TS	42.12 (1070)	41 (1041)	91 (2311)	76.329 (1939)	31.5 (800)	39.12 (994)	81 (2057)	20.25 (514)	7 (178)	1.13 (29)	41.45 (1053)	53.5 (1359)	5 (127)	5	14.75 (375)	23.56 (598)
404T/TS	42.12 (1070)	41 (1041)	91 (2311)	79.43 (2018)	31.5 (800)	39.12 (994)	81 (2057)	20.25 (514)	7 (178)	1.13 (29)	41.97 (1066)	53.5 (1359)	5 (127)	5	14.75 (375)	23.56 (598)
405T/TS	42.12 (1070)	41 (1041)	91 (2311)	81.43 (2068)	31.5 (800)	39.12 (994)	81 (2057)	20.25 (514)	7 (178)	1.13 (29)	41.97 (1066)	53.5 (1359)	5 (127)	5	14.75 (375)	23.56 (598)
444T/TS	42.12 (1070)	41 (1041)	91 (2311)	86.896 (2207)	31.5 (800)	39.12 (994)	81 (2057)	20.25 (514)	7 (178)	1.13 (29)	47.02 (1194)	53.5 (1359)	5 (127)	5	14.75 (375)	23.56 (598)
445T/TS	42.12 (1070)	41 (1041)	91 (2311)	88.5 (2248)	31.5 (800)	39.12 (994)	81 (2057)	20.25 (514)	7 (178)	1.13 (29)	47.02 (1194)	53.5 (1359)	5 (127)	5	14.75 (375)	23.56 (598)
447T/TS	42.12 (1070)	41 (1041)	96 (2438)	94.98 (2412)	31.5 (800)	39.12 (994)	86 (2184)	17.20 (437)	7 (178)	1.13 (29)	45.38 (1153)	53.5 (1359)	5 (127)	6	14.75 (375)	23.56 (598)
449T/TS	42.12 (1070)	41 (1041)	96 (2438)	95.68 (2430)	31.5 (800)	39.12 (994)	86 (2184)	17.20 (437)	7 (178)	1.13 (29)	45.38 (1153)	53.5 (1359)	5 (127)	6	14.75 (375)	23.56 (598)
† ± 5008MS	42.12 (1070)	41 (1041)	96 (2438)	91.5 (2324)	31.5 (800)	39.12 (994)	86 (2184)	17.20 (437)	7 (178)	1.13 (29)	46 (1168)	53.5 (1359)	5 (127)	6	14.75 (375)	23.56 (598)
† ± 5010MS	42.12 (1070)	41 (1041)	95.5 (2426)	98 (2489)	33.88 (861)	38 (965)	86 (2184)	21.5 (546)	9.38 (238)	1.375 (35)	48.38 (1168)	55.88 (1419)	4.75 (121)	5	15.00 (381)	23.56 (598)
† ± 5807S	42.12 (1070)	41 (1041)	107 (2718)	101.62 (2581)	33.88 (861)	38 (965)	97 (2464)	24.25 (616)	9.38 (238)	1.375 (35)	49.44 (1256)	55.88 (1419)	5 (127)	5	14.75 (375)	23.56 (598)
† ± 5809S	42.12 (1070)	41 (1041)	107 (2718)	108.62 (2759)	33.88 (861)	38 (965)	97 (2464)	24.25 (616)	9.38 (238)	1.375 (35)	49.44 (1256)	55.88 (1419)	5 (127)	5	14.75 (375)	23.56 (598)
† ± 5811S	42.12 (1070)	41 (1041)	107 (2718)	116.62 (2962)	33.88 (861)	38 (965)	97 (2464)	24.25 (616)	9.38 (238)	1.375 (35)	49.44 (1256)	55.88 (1419)	5 (127)	5	14.75 (375)	23.56 (598)

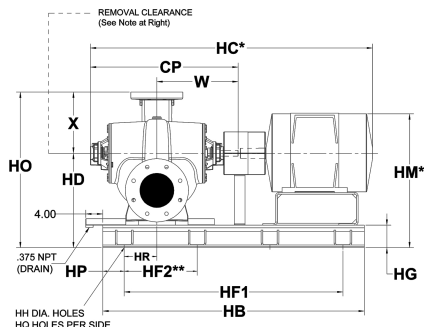
Dimensions are subject to change. Not to be used for construction purposes unless certified.

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.

B-867-8B



** Distance to the next available hole.

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

Removal clearance from end
of bracket: 30 Inches (762 mm)

SPACER COUPLER

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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