

JOB:

REPRESENTATIVE:

UNIT TAG:

ORDER NO.

DATE:

ENGINEER:

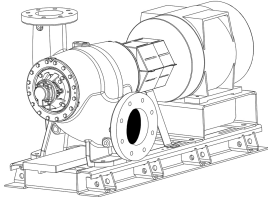
SUBMITTED BY:

DATE:

CONTRACTOR:

APPROVED BY:

DATE:



Model VSCS 14x16x17¹/₂A Double Suction Split Case Pump



SPECIFICATIONS

FLOW _____ HEAD _____

HP _____ RPM _____

VOLTS _____

CYCLE _____ PHASE _____

ENCLOSURE _____

APPROX. WEIGHT _____

SPECIALS _____

STANDARD MATERIALS OF CONSTRUCTION

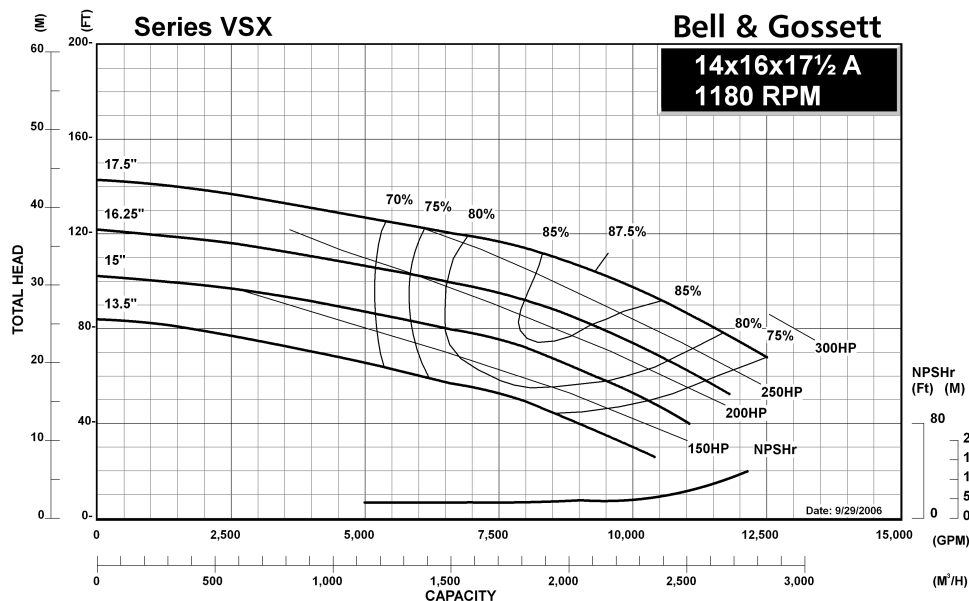
- ☒ Cast Iron Bronze Fitted
- ☒ Heavy Duty Maintenance Free Bearings
- ☒ Alignment Friendly Coupling
- ☒ Heavy Duty Groutless Baseplate
- ☒ ANSI/OSHA Coupling Guard
- ☒ ISO 1940-1:2003 Impeller Balance

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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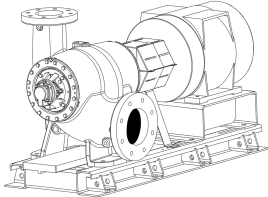
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Model VSCS 14x16x17¹/₂A Double Suction Split Case Pump



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SPECIALS _____

STANDARD MATERIALS OF CONSTRUCTION

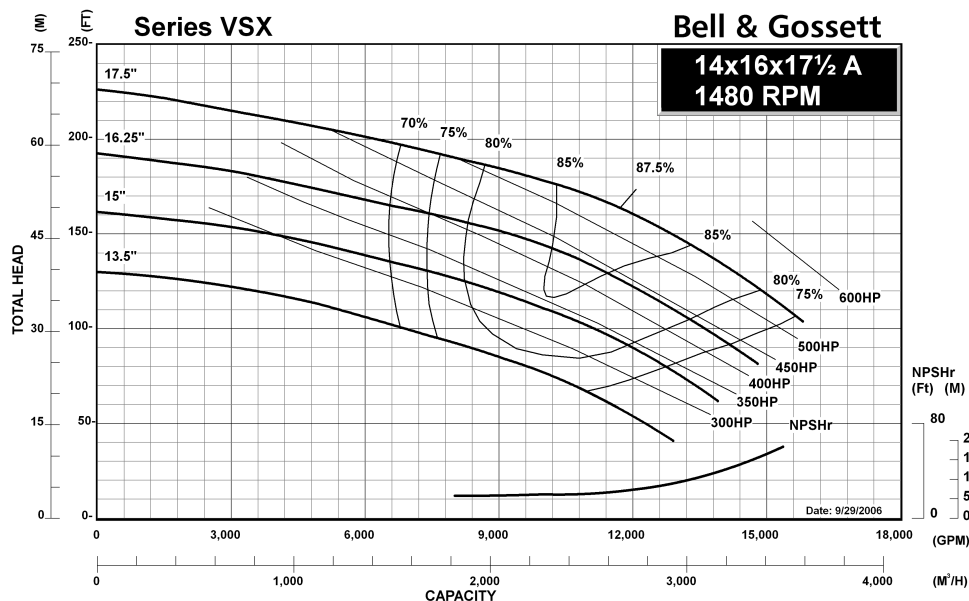
- ☒ Cast Iron Bronze Fitted
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- ☐ **Optional:** 300 PSIG (20 BAR) max. working pressure, flat face flanges, 250# ANSI flange drilling, Unitized mechanical seal, EPR/Carbon/Silicon Carbide, 125 PSIG (8.5 BAR) max. suction pressure, 0 to 300°F (-18 to 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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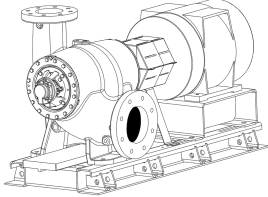
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Model VSCS 14x16x17¹/₂A Double Suction Split Case Pump



SPECIFICATIONS

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HP _____ RPM _____

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CYCLE _____ PHASE _____

ENCLOSURE _____

APPROX. WEIGHT _____

SPECIALS _____

STANDARD MATERIALS OF CONSTRUCTION

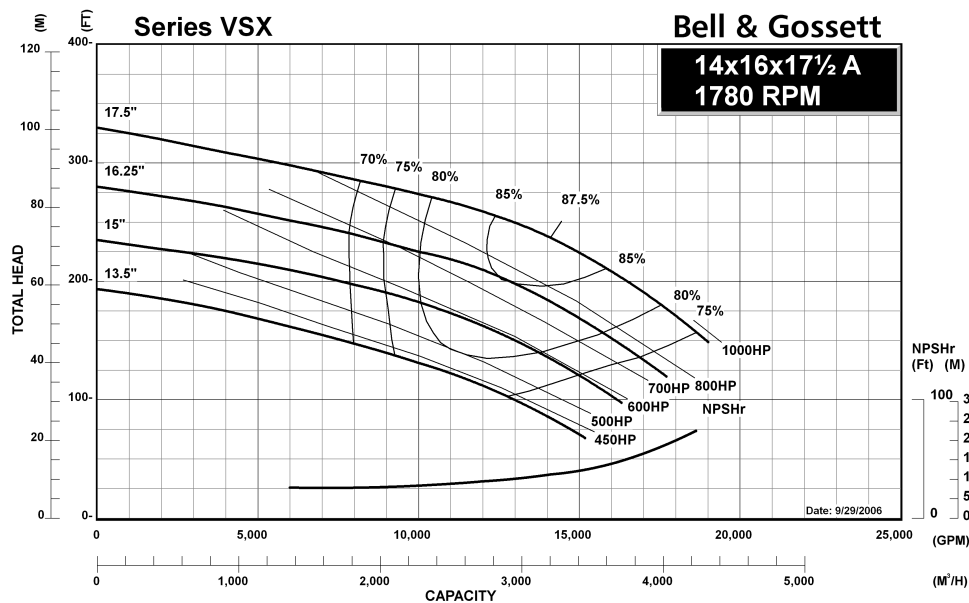
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- ☒ Heavy Duty Maintenance Free Bearings
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OPTIONAL MATERIALS OF CONSTRUCTION

- ☐ Galvanized Drip Pan
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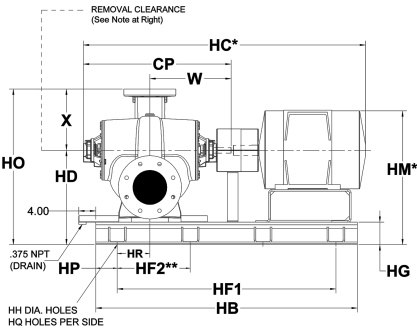
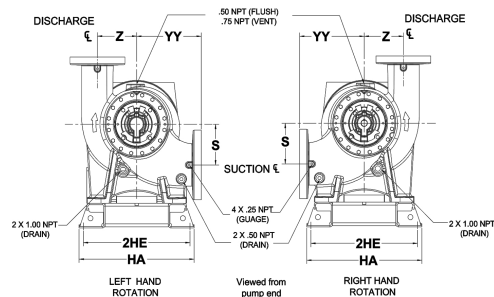
TYPE OF SEAL AND WORKING PRESSURE

- ☐ **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)



Model VSCS 14x16x17½A Centrifugal Pump Submittal

B-865.15D



*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	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	X	YY	Z
15.35 (390)	26.5 (673)	26.5 (673)	15.35 (390)

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

STANDARD COUPLER

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)	63 (1600)	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)	63 (1600)	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)	63 (1600)	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)	63 (1600)	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)	63 (1600)	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)	63 (1600)	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)	63 (1600)	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)	65.38 (1661)	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)	65.38 (1661)	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)	65.38 (1661)	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)	65.38 (1661)	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)	65.38 (1661)	5 (127)	5	14.75 (375)	27.63 (702)
† ± 5811M+	50.25 (1276)	41 (1041)	110.5 (2807)	136.69 (3472)	38.88 (988)	38 (965)	100.52 (2553)	25.13 (638)	9.38 (238)	1.375 (35)	107.01 (2718)	65.38 (1661)	5 (127)	5	14.75 (375)	27.63 (702)
† ± 5812M+	50.25 (1276)	41 (1041)	117 (2972)	141.69 (3599)	38.88 (988)	38 (965)	100.52 (2553)	25.13 (638)	9.38 (238)	1.375 (35)	107.01 (2718)	65.38 (1661)	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.

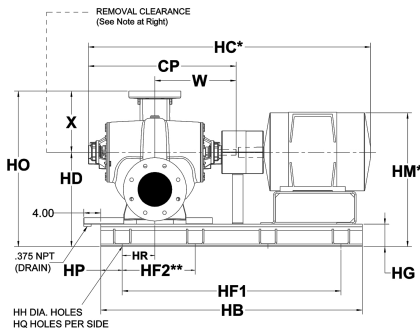
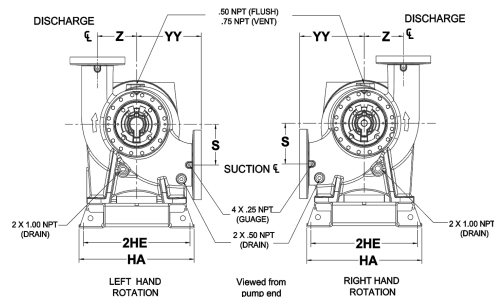
Xylem Inc.
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Morton Grove, IL 60053
Phone: (847)966-3700
Fax: (847)965-8379
www.bellgossett.com



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Model VSCS 14x16x17½A Centrifugal Pump Submittal

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S	X	YY	Z
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SPACER COUPLER

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	63 (1600)	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)	63 (1600)	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)	63 (1600)	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)	63 (1600)	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)	65.38 (1661)	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)	65.38 (1661)	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)	65.38 (1661)	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)	65.38 (1661)	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)	65.38 (1661)	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)	65.38 (1661)	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)	65.38 (1661)	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)	65.38 (1661)	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)	28.8 (734)	9.38 (238)	1.375 (35)	107.01 (2718)	65.38 (1661)	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)	28.8 (734)	9.38 (238)	1.375 (35)	107.01 (2718)	65.38 (1661)	5 (127)	5	14.75 (375)	27.63 (702)

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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.

Xylem Inc.
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Morton Grove, IL 60053
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