

JOB:

REPRESENTATIVE:

UNIT TAG:

ORDER NO.

DATE:

ENGINEER:

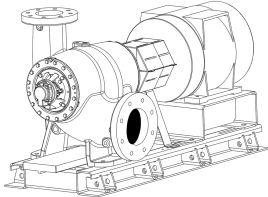
SUBMITTED BY:

DATE:

CONTRACTOR:

APPROVED BY:

DATE:



Model VSCS 14x16x13¹/₂A Double Suction Split Case Pump



SPECIFICATIONS

FLOW _____ HEAD _____

HP _____ RPM _____

VOLTS _____

CYCLE _____ PHASE _____

ENCLOSURE _____

APPROX. WEIGHT _____

SPECIALS _____

STANDARD MATERIALS OF CONSTRUCTION

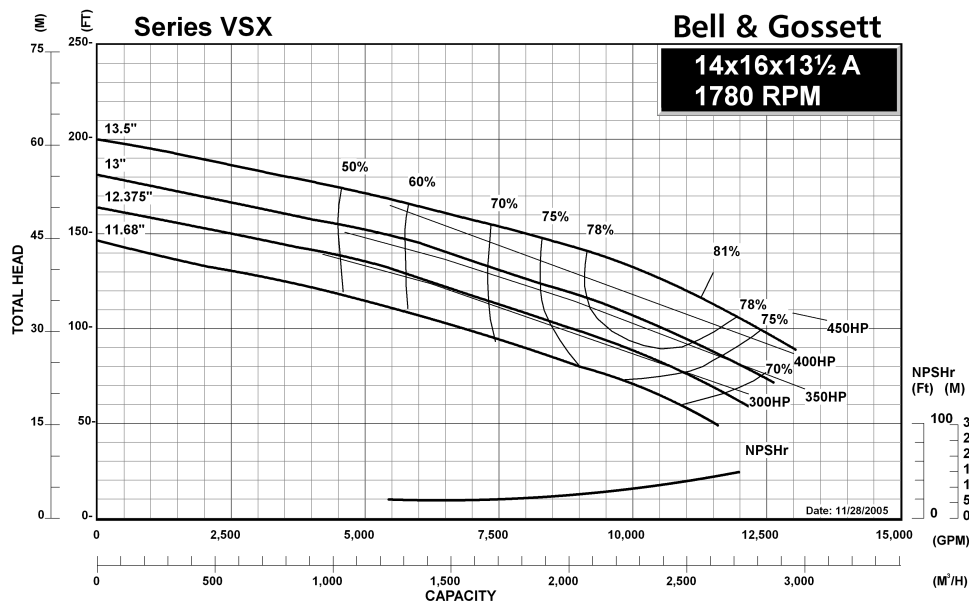
- ☒ Cast Iron Bronze Fitted
- ☒ Heavy Duty Maintenance Free Bearings
- ☒ Alignment Friendly Coupling
- ☒ Heavy Duty Groutless Baseplate
- ☒ ANSI/OSHA Coupling Guard
- ☒ ISO 1940-1:2003 Impeller Balance

OPTIONAL MATERIALS OF CONSTRUCTION

- ☐ Galvanized Drip Pan
- ☐ Spacer Coupling

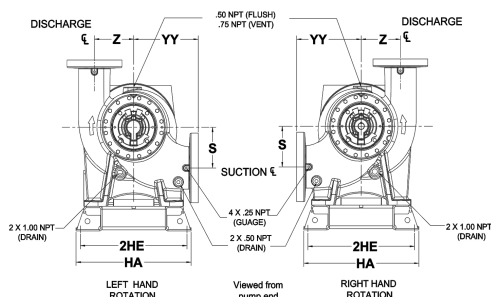
TYPE OF SEAL AND WORKING PRESSURE

- ☐ **Standard:** 175 PSIG (12 BAR) max. working pressure, flat face flanges, 125# ANSI flange drilling, Unitized mechanical seal, EPR/Carbon/Silicon Carbide, 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)



Model VSCS 14x16x13½A Centrifugal Pump Submittal

B-865.2B



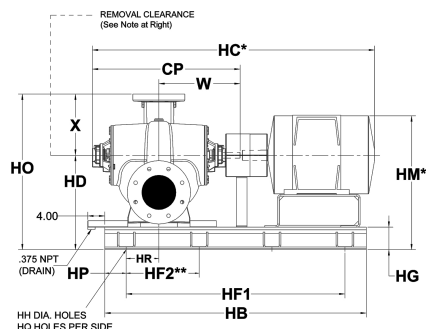
FLANGE DIMENSIONS IN INCHES (MM)			
	SIZE	THICKNESS	O.D.
Discharge	14"	2.375 (59)	22.38 (121)
Suction	16"	2.5 (64)	25.00 (635)

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

DIMENSIONS IN INCHES (MM)			
S	X	YY	Z
12.69 (322)	24 (610)	24 (610)	12.69 (322)

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

STANDARD COUPLER



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

**Dimensions vary due to coupler gap based on horse power.

***Distance to the next available hole.

DIMENSIONS – Inches (mm)

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	49.91 (1268)	39 (991)	91 (2311)	84.119 (2137)	33 (838)	32 (813)	81 (2057)	27 (686)	7 (178)	1.375 (35)	42.95 (1091)	57 (1448)	5 (127)	4	14.75 (375)	27.45 (697)
404T/TS	49.91 (1268)	39 (991)	91 (2311)	87.22** (2215)	33 (838)	32 (813)	81 (2057)	27 (686)	7 (178)	1.375 (35)	43.47 (1104)	57 (1448)	5 (127)	4	14.75 (375)	27.45 (697)
405T/TS	49.91 (1268)	39 (991)	91 (2311)	89.22** (2266)	33 (838)	32 (813)	81 (2057)	27 (686)	7 (178)	1.375 (35)	43.47 (1104)	57 (1448)	5 (127)	4	14.75 (375)	27.45 (697)
444T/TS	49.91 (1268)	39 (991)	91 (2311)	94.686 (2405)	33 (838)	32 (813)	81 (2057)	27 (686)	7 (178)	1.375 (35)	48.52 (1232)	57 (1448)	5 (127)	4	14.75 (375)	27.45 (697)
445T/TS	49.91 (1268)	39 (991)	91 (2311)	96.29 (2446)	33 (838)	32 (813)	81 (2057)	27 (686)	7 (178)	1.375 (35)	48.52 (1232)	57 (1448)	5 (127)	4	14.75 (375)	27.45 (697)
447T/TS	49.91 (1268)	39 (991)	96 (2438)	102.77 (2610)	33 (838)	32 (813)	86 (2184)	21.5 (546)	7 (178)	1.375 (35)	46.88 (1191)	57 (1448)	5 (127)	5	14.75 (375)	27.45 (697)
449T/TS	49.91 (1268)	39 (991)	96 (2438)	103.47 (2628)	33 (838)	32 (813)	86 (2184)	21.5 (546)	7 (178)	1.375 (35)	46.88 (1191)	57 (1448)	5 (127)	5	14.75 (375)	27.45 (697)

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.

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

xylem
Let's Solve Water

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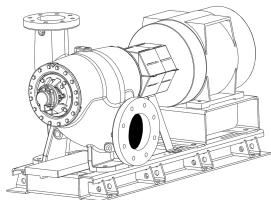
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Model VSCS
14x16x13½A
Double Suction Split Case Pump



SPECIFICATIONS

FLOW _____ HEAD _____

HP RPM

VOLTS

CYCLE	PHASE
1	1
2	1
3	1
4	1
5	1
6	1
7	1
8	1
9	1
10	1
11	1
12	1
13	1
14	1
15	1
16	1
17	1
18	1
19	1
20	1
21	1
22	1
23	1
24	1
25	1
26	1
27	1
28	1
29	1
30	1
31	1
32	1
33	1
34	1
35	1
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42	1
43	1
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45	1
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58	1
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67	1
68	1
69	1
70	1
71	1
72	1
73	1
74	1
75	1
76	1
77	1
78	1
79	1
80	1
81	1
82	1
83	1
84	1
85	1
86	1
87	1
88	1
89	1
90	1
91	1
92	1
93	1
94	1
95	1
96	1
97	1
98	1
99	1
100	1

ENCLOSURE

APPROX. WEIGHT

SPECIALS

STANDARD MATERIALS OF CONSTRUCTION

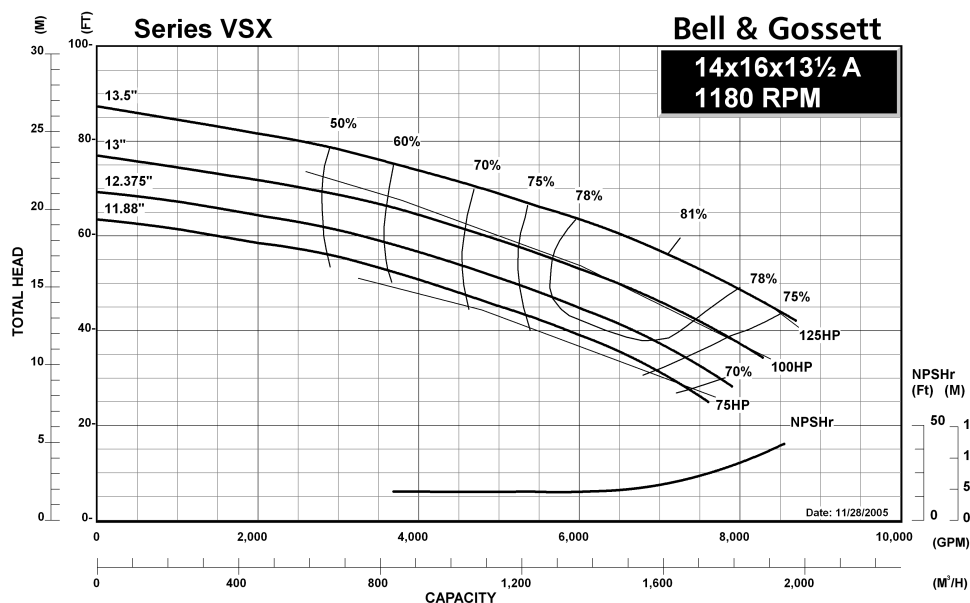
- ☒ Cast Iron Bronze Fitted
- ☒ Heavy Duty Maintenance Free Bearings
- ☒ Alignment Friendly Coupling
- ☒ Heavy Duty Groutless Baseplate
- ☒ ANSI/OSHA Coupling Guard
- ☒ ISO 1940-1:2003 Impeller Balance

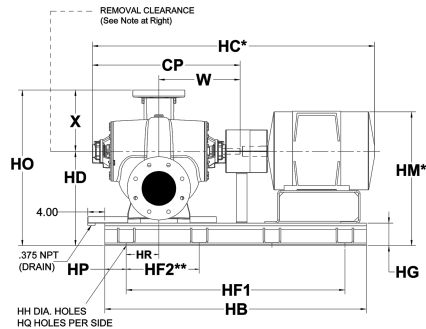
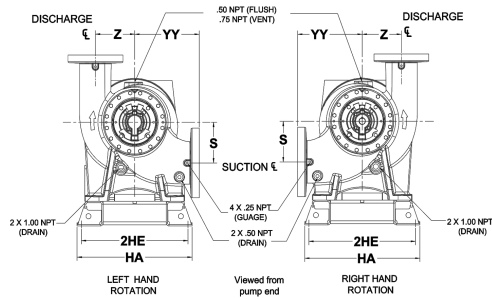
OPTIONAL MATERIALS OF CONSTRUCTION

- ☐ 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)





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

**Dimensions vary due to coupler gap based on horse power.

Distance to the next available hole.

FLANGE DIMENSIONS IN INCHES (MM)			
	SIZE	THICKNESS	O.D.
Discharge	14"	2.375 (59)	22.38 (121)
Suction	16"	2.5 (64)	25.00 (635)

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

DIMENSIONS IN INCHES (MM)			
S	X	YY	Z
12.69 (322)	24 (610)	24 (610)	12.69 (322)

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

SPACER COUPLER

DIMENSIONS – Inches (mm)

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
365T/TS	49.91 (1268)	39 (991)	96 (2438)	97.119 (2497)	33 (838)	32 (813)	86 (2184)	21.5 (546)	7 (178)	1.375 (35)	42.95 (1091)	57 (1448)	5 (127)	5	14.75 (375)	27.45 (697)
404T/TS	49.91 (1268)	39 (991)	108 (2743)	99.72 (2533)	33 (838)	32 (813)	98 (2489)	24.5 (622)	7 (178)	1.375 (35)	43.47 (1104)	57 (1448)	5 (127)	5	14.75 (375)	27.45 (697)
405T/TS	49.91 (1268)	39 (991)	108 (2743)	101.72** (2584)	33 (838)	32 (813)	98 (2489)	24.5 (622)	7 (178)	1.375 (35)	43.47 (1104)	57 (1448)	5 (127)	5	14.75 (375)	27.45 (697)
444T/TS	49.91 (1268)	39 (991)	108 (2743)	107.186** (2723)	33 (838)	32 (813)	98 (2489)	24.5 (622)	7 (178)	1.375 (35)	48.52 (1232)	57 (1448)	5 (127)	5	14.75 (375)	27.45 (697)
445T/TS	49.91 (1268)	39 (991)	108 (2743)	108.79 (2763)	33 (838)	32 (813)	98 (2489)	24.5 (622)	7 (178)	1.375 (35)	48.52 (1232)	57 (1448)	5 (127)	5	14.75 (375)	27.45 (697)
447T/TS	49.91 (1268)	39 (991)	108 (2743)	115.27 (2928)	33 (838)	32 (813)	98 (2489)	24.5 (622)	7 (178)	1.375 (35)	46.88 (1191)	57 (1448)	5 (127)	5	14.75 (375)	27.45 (697)
449T/TS	49.91 (1268)	39 (991)	108 (2743)	115.97 (2946)	33 (838)	32 (813)	98 (2489)	24.5 (622)	7 (178)	1.375 (35)	46.88 (1191)	57 (1448)	5 (127)	5	14.75 (375)	27.45 (697)

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 or Dodge Paraflex spacer coupling option. For dimensions on Falk SteelFlex coupling options, consult factory for a special submittal drawing.

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