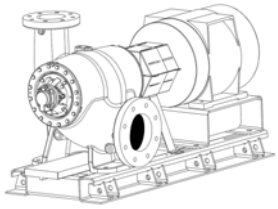
ITT

SUBMITTAL

B-865.2B

JOB:	**REPRESENTATIVE:**	
UNIT TAG:	**ORDER NO.**	**DATE:**
ENGINEER:	**SUBMITTED BY:**	**DATE:**
CONTRACTOR:	**APPROVED BY:**	**DATE:**



Model VSCS 14x16x13½A

Double Suction Split Case Pump

B&G VSX™ REVOLUTION-X

SPECIFICATIONS

FLOW _____ HEAD _____

HP _____ RPM _____

VOLTS _____

CYCLE _____ PHASE _____

ENCLOSURE _____

APPROX. WEIGHT _____

SPECIALS _____

STANDARD MATERIALS OF CONSTRUCTION

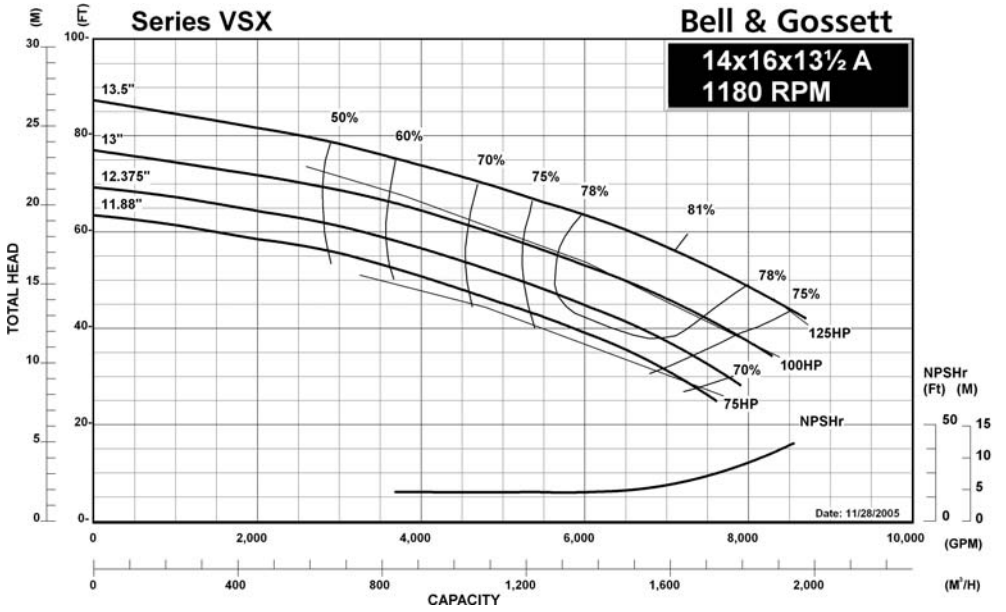
- ☒ Cast Iron Bronze Fitted
- ☒ Heavy Duty Maintenance Free Bearings
- ☒ Alignment Friendly Coupling
- ☒ Heavy Duty Groutless Baseplate
- ☒ ANSI/OSHA Coupling Guard
- ☒ ISO 1940-1:2003 Impeller Balance

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)



Bell & Gossett

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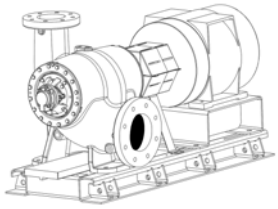

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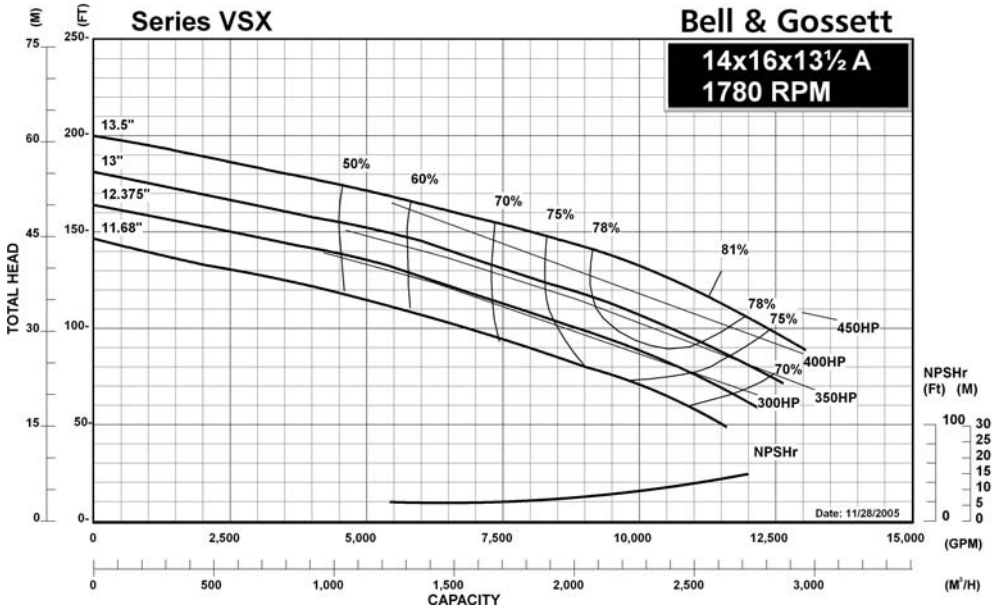

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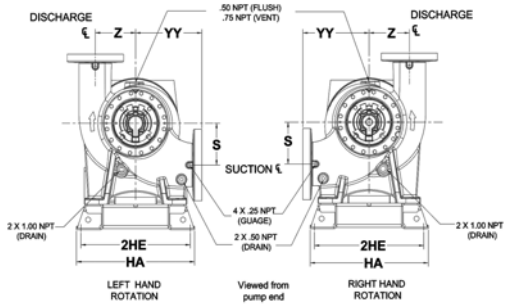
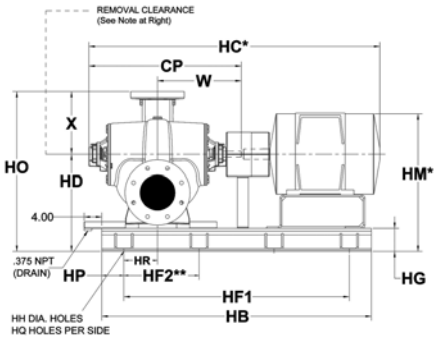
Model VSCS 14x16x13½A Centrifugal Pump Submittal

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)

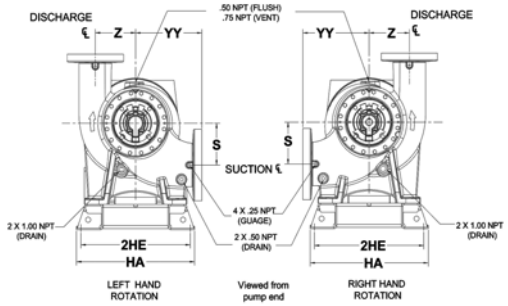
MOTOR FRAME	DIMENSIONS - INCHES (mm) FOR STANDARD COUPLER															
	CP	**HA**	**HB**	**HC**	**HD**	**2HE**	**HF_1**	**HF_2*****	**HG**	**HH**	**HM**	**HO**	**HP**	**HQ**	**HR**	**W**
365T/TS	49.91 (1268)	39 (991)	91 (2311)	84.119 (2137)	33 (838)	32 (813)	81 (2057)	27 (686)	7 (178)	1.375 (35)	42.95 (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)

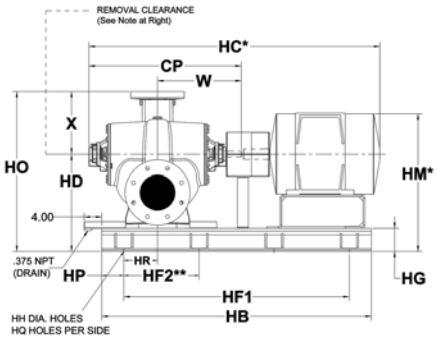
Dimensions are subject to change. Not to be used for construction purposes unless certified.
Units may be built where foot/feet overhang the motor mounting platform. If overhang is unacceptable, consult factory for a custom submittal, quotation and/or lead time. A certified motor drawing will be required.

ITT
8200 N. Austin Avenue
Morton Grove, IL 60053
Phone (847)966-3700
Facsimile (847)966-9052
www.completewatersystems.com

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)

SPACER 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 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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