

JOB:

REPRESENTATIVE:

UNIT TAG:

ORDER NO.

DATE:

ENGINEER:

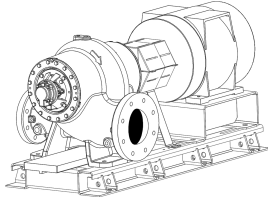
SUBMITTED BY:

DATE:

CONTRACTOR:

APPROVED BY:

DATE:



Model VSH 8x10x22A Double Suction Split Case Pump



SPECIFICATIONS

FLOW _____ HEAD _____

HP _____ RPM _____

VOLTS _____

CYCLE _____ PHASE _____

ENCLOSURE _____

APPROX. WEIGHT _____

SPECIALS _____

STANDARD MATERIALS OF CONSTRUCTION

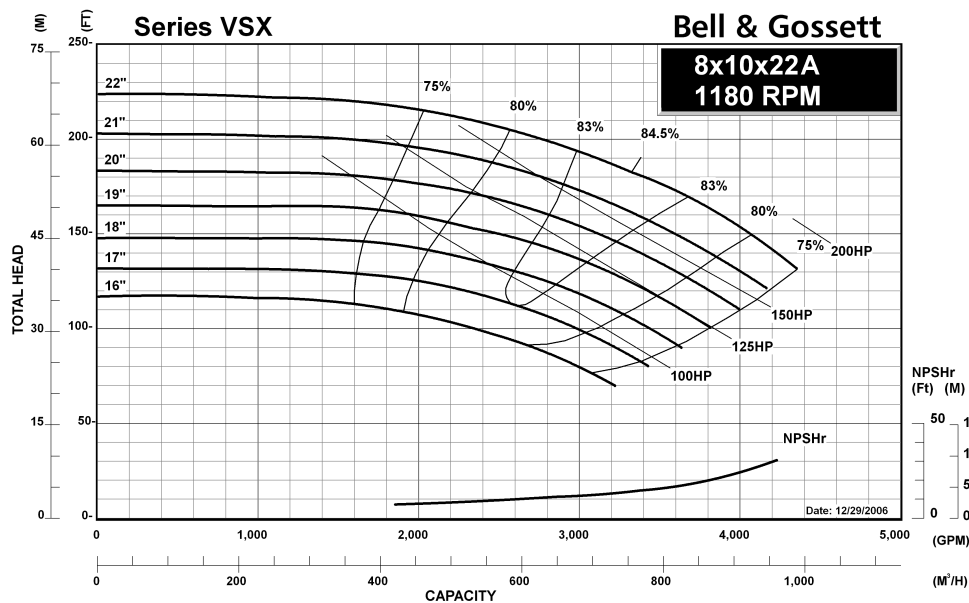
- ☒ Cast Iron Bronze Fitted
- ☒ Heavy Duty Maintenance Free Bearings
- ☒ Alignment Friendly Coupling
- ☒ Heavy Duty Groutless Baseplate
- ☒ ANSI/OSHA Coupling Guard
- ☒ ISO 1940-1:2003 Impeller Balance

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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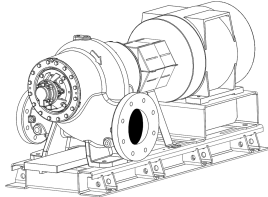
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Model VSH 8x10x22A Double Suction Split Case Pump



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APPROX. WEIGHT _____

SPECIALS _____

STANDARD MATERIALS OF CONSTRUCTION

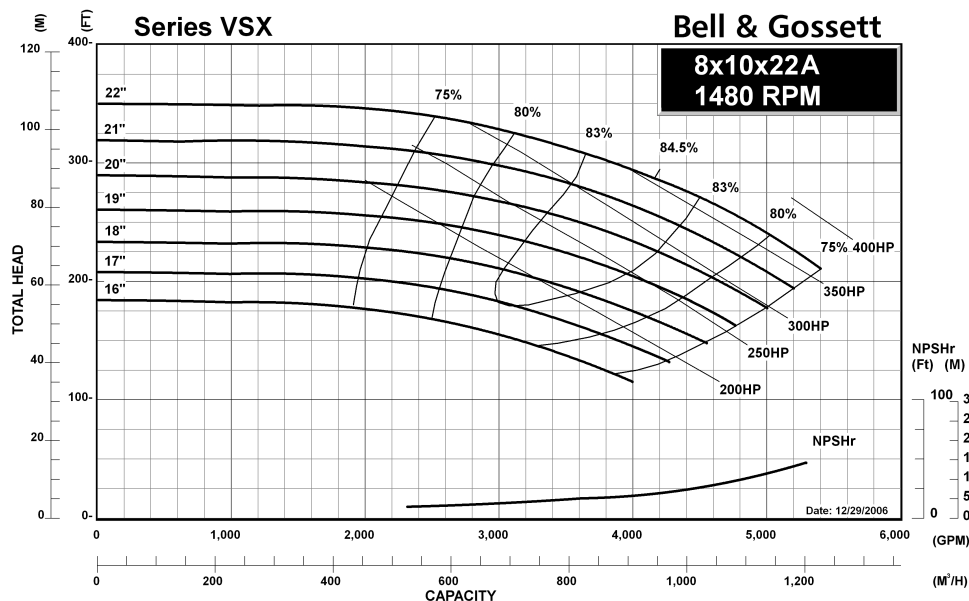
- ☒ Cast Iron Bronze Fitted
- ☒ Heavy Duty Maintenance Free Bearings
- ☒ Alignment Friendly Coupling
- ☒ Heavy Duty Groutless Baseplate
- ☒ ANSI/OSHA Coupling Guard
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- ☐ **Optional:** 300 PSIG (20 BAR) max. working pressure, flat face flanges, 250# 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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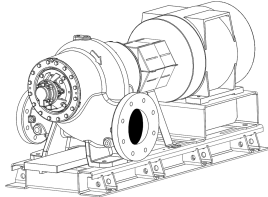
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Model VSH 8x10x22A Double Suction Split Case Pump



SPECIFICATIONS

FLOW _____ HEAD _____

HP _____ RPM _____

VOLTS _____

CYCLE _____ PHASE _____

ENCLOSURE _____

APPROX. WEIGHT _____

SPECIALS _____

STANDARD MATERIALS OF CONSTRUCTION

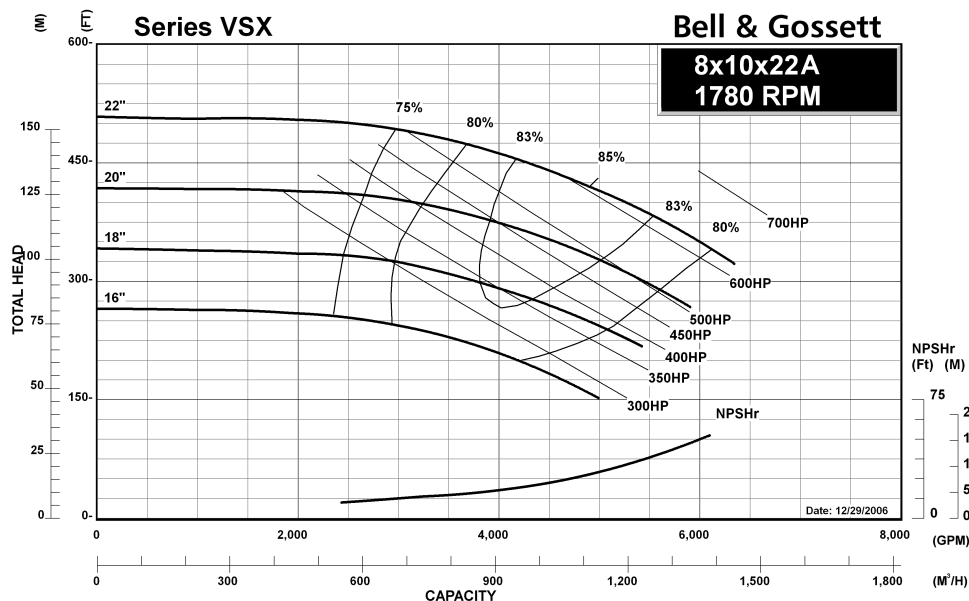
- ☒ Cast Iron Bronze Fitted
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- ☒ ISO 1940-1:2003 Impeller Balance

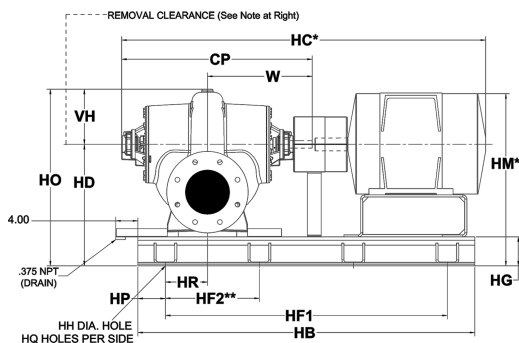
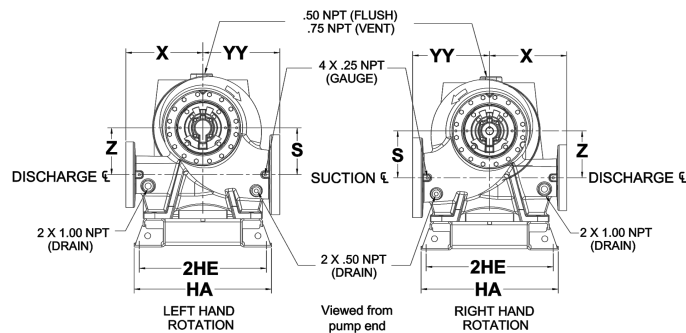
OPTIONAL MATERIALS OF CONSTRUCTION

- ☐ 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)





*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	VH
13.75 (349)	23 (584)	23 (584)	13.75 (349)	16.25 (413)

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

STANDARD COUPLER

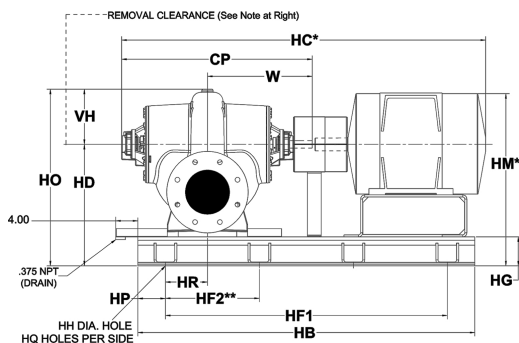
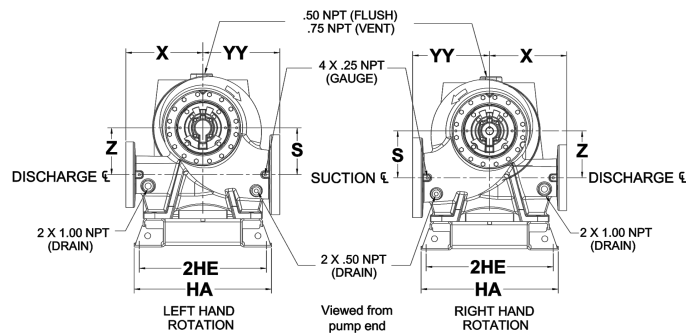
MOTOR FRAME	DIMENSIONS - INCHES (mm) FOR PUMPS WITH STANDARD COUPLER															
	CP	HA	HB	HC* MAX.	HD	2HE	HF ₁	HF ₂ **	HG	HH	HM* MAX.	HO	HP	HQ	HR	W
364T/TS	41.4 (1052)	41 (1041)	91 (2311)	76.109 (1933)	31.5 (800)	39.12 (994)	81 (2057)	20.25 (514)	7 (178)	1.13 (29)	41.45 (1053)	47.75 (1213)	5 (127)	5	14.75 (375)	23.21 (590)
365T/TS	41.4 (1052)	41 (1041)	91 (2311)	76.109 (1933)	31.5 (800)	39.12 (994)	81 (2057)	20.25 (514)	7 (178)	1.13 (29)	41.45 (1053)	47.75 (1213)	5 (127)	5	14.75 (375)	23.21 (590)
404T/TS	41.4 (1052)	41 (1041)	91 (2311)	78.71 (1999)	31.5 (800)	39.12 (994)	81 (2057)	20.25 (514)	7 (178)	1.13 (29)	41.97 (1066)	47.75 (1213)	5 (127)	5	14.75 (375)	23.21 (590)
405T/TS	41.4 (1052)	41 (1041)	91 (2311)	80.71 (2050)	31.5 (800)	39.12 (994)	81 (2057)	20.25 (514)	7 (178)	1.13 (29)	41.97 (1066)	47.75 (1213)	5 (127)	5	14.75 (375)	23.21 (590)
444T/TS	41.4 (1052)	41 (1041)	91 (2311)	86.176 (2189)	31.5 (800)	39.12 (994)	81 (2057)	20.25 (514)	7 (178)	1.13 (29)	47.02 (1194)	47.75 (1213)	5 (127)	5	14.75 (375)	23.21 (590)
445T/TS	41.4 (1052)	41 (1041)	91 (2311)	87.78 (2230)	31.5 (800)	39.12 (994)	81 (2057)	20.25 (514)	7 (178)	1.13 (29)	47.02 (1194)	47.75 (1213)	5 (127)	5	14.75 (375)	23.21 (590)
447T/TS	41.4 (1052)	41 (1041)	96 (2438)	94.26 (2394)	31.5 (800)	39.12 (994)	86 (2184)	17.2 (437)	7 (178)	1.13 (29)	45.38 (1153)	47.75 (1213)	5 (127)	6	14.75 (375)	23.21 (590)
449T/TS	41.4 (1052)	41 (1041)	96 (2438)	94.96 (2412)	31.5 (800)	39.12 (994)	86 (2184)	17.2 (437)	7 (178)	1.13 (29)	45.38 (1153)	47.75 (1213)	5 (127)	6	14.75 (375)	23.21 (590)
5008S/MS † ‡	41.4 (1052)	41 (1041)	96 (2438)	90.78 (2306)	31.5 (800)	39.12 (994)	86 (2184)	17.2 (437)	7 (178)	1.13 (29)	46 (1168)	47.75 (1213)	5 (127)	6	14.75 (375)	23.21 (590)
5010S/MS † ‡	41.4 (1052)	41 (1041)	95.5 (2426)	97.78 (2484)	33.88 (861)	38 (965)	86 (2184)	21.5 (546)	9.38 (238)	1.375 (35)	48.38 (1229)	50.13 (1273)	4.75 (121)	5	13.25 (337)	23.21 (590)
5807S † ‡	41.4 (1052)	41 (1041)	107 (2718)	100.9 (2563)	33.88 (861)	38 (965)	97 (2464)	24.25 (616)	9.38 (238)	1.375 (35)	49.44 (1256)	50.13 (1273)	5 (127)	5	13 (330)	23.21 (590)
5811S † ‡	41.4 (1052)	41 (1041)	107 (2718)	115.9 (2944)	33.88 (861)	38 (965)	97 (2464)	24.25 (616)	9.38 (238)	1.375 (35)	49.44 (1256)	50.13 (1273)	5 (127)	5	13 (330)	23.21 (590)

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	VH
13.75 (349)	23 (584)	23 (584)	13.75 (349)	16.25 (413)

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 ₁	HF ₂ **	HG	HH	HM* MAX.	HO	HP	HQ	HR	W
364T/TS	41.4 (1052)	41 (1041)	96 (2438)	86.859 (2206)	31.5 (800)	39.12 (994)	86 (2184)	17.2 (437)	7 (178)	1.13 (29)	41.45 (1053)	47.75 (1213)	5 (127)	6	14.75 (375)	23.21 (590)
365T/TS	41.4 (1052)	41 (1041)	96 (2438)	86.859 (2206)	31.5 (800)	39.12 (994)	86 (2184)	17.2 (437)	7 (178)	1.13 (29)	41.45 (1053)	47.75 (1213)	5 (127)	6	14.75 (375)	23.21 (590)
404T/TS	41.4 (1052)	41 (1041)	105 (2667)	89.46 (2272)	31.5 (800)	39.12 (994)	95 (2413)	19 (483)	7 (178)	1.13 (29)	41.97 (1066)	47.75 (1213)	5 (127)	6	14.75 (375)	23.21 (590)
405T/TS	41.4 (1052)	41 (1041)	105 (2667)	91.46 (2323)	31.5 (800)	39.12 (994)	95 (2413)	19 (483)	7 (178)	1.13 (29)	41.97 (1066)	47.75 (1213)	5 (127)	6	14.75 (375)	23.21 (590)
444T/TS	41.4 (1052)	41 (1041)	105 (2667)	96.926 (2462)	31.5 (800)	39.12 (994)	95 (2413)	19 (483)	7 (178)	1.13 (29)	47.02 (1194)	47.75 (1213)	5 (127)	6	14.75 (375)	23.21 (590)
445T/TS	41.4 (1052)	41 (1041)	105 (2667)	98.53 (2503)	31.5 (800)	39.12 (994)	95 (2413)	19 (483)	7 (178)	1.13 (29)	47.02 (1194)	47.75 (1213)	5 (127)	6	14.75 (375)	23.21 (590)
447T/TS	41.4 (1052)	41 (1041)	105 (2667)	105.01 (2667)	31.5 (800)	39.12 (994)	95 (2413)	19 (483)	7 (178)	1.13 (29)	45.38 (1153)	47.75 (1213)	5 (127)	6	14.75 (375)	23.21 (590)
449T/TS	41.4 (1052)	41 (1041)	105 (2667)	105.71 (2685)	31.5 (800)	39.12 (994)	95 (2413)	19 (483)	7 (178)	1.13 (29)	45.38 (1153)	47.75 (1213)	5 (127)	6	14.75 (375)	23.21 (590)
5008S/MS † ‡	41.4 (1052)	41 (1041)	105 (2667)	101.53 (2579)	31.5 (800)	39.12 (994)	95 (2413)	19 (483)	7 (178)	1.13 (29)	46 (1168)	47.75 (1213)	5 (127)	6	14.75 (375)	23.21 (590)
5010S/MS † ‡	41.4 (1052)	41 (1041)	108 (2743)	108.53 (2757)	33.88 (861)	38 (965)	98 (2489)	24.5 (622)	9.38 (238)	1.38 (35)	48.38 (1229)	50.13 (1273)	5 (127)	5	13 (330)	23.21 (590)
5807S † ‡	41.4 (1052)	41 (1041)	118 (2997)	111.65 (2836)	33.88 (861)	38 (965)	108 (2743)	27 (686)	9.38 (238)	1.375 (35)	49.44 (1256)	50.13 (1273)	5 (127)	5	13 (330)	23.21 (590)
5809S † ‡	41.4 (1052)	41 (1041)	118 (2997)	118.65 (3014)	33.88 (861)	38 (965)	108 (2743)	27 (686)	9.38 (238)	1.375 (35)	49.44 (1256)	50.13 (1273)	5 (127)	5	13 (330)	23.21 (590)
5811S † ‡	41.4 (1052)	41 (1041)	118 (2997)	126.65 (3217)	33.88 (861)	38 (965)	108 (2743)	27 (686)	9.38 (238)	1.375 (35)	49.44 (1256)	50.13 (1273)	5 (127)	5	13 (330)	23.21 (590)

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 spacer coupling option. For dimensions on Faulk SteelFlex coupling options, consult factory for a special submittal drawing.

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