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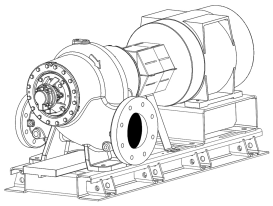
SUBMITTAL

B-865.32D

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



Model VSH 10x12x22A

Double Suction Split Case Pump

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 Grootless Baseplate

☒ ANSI/OSHA Coupling Guard

☒ ISO 1940-1:2003 Impeller Balance

OPTIONAL MATERIALS OF CONSTRUCTION

☐ Galvanized Drip Pan

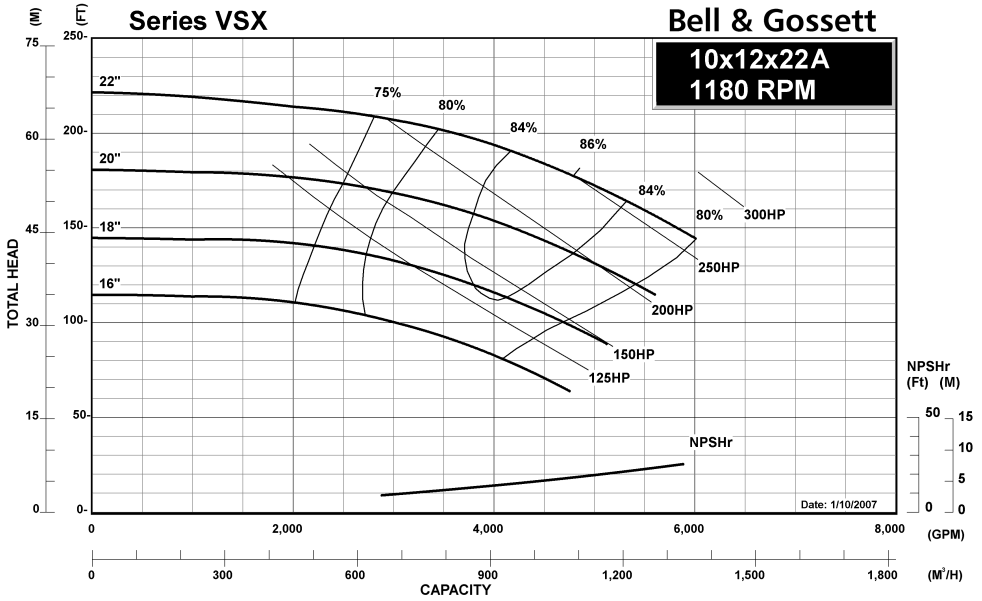
☐ Spacer Coupling

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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SUBMITTAL

B-865.32D

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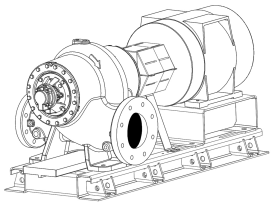


Model VSH 10x12x22A

Double Suction Split Case Pump

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

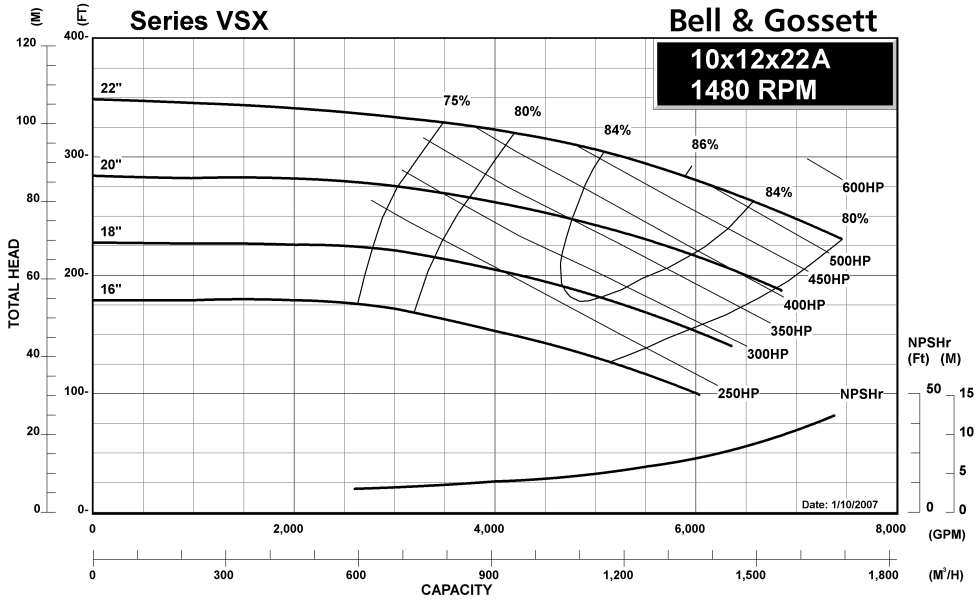
☐ Spacer Coupling

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, 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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SUBMITTAL

B-865.32D

JOB:	**REPRESENTATIVE:**	
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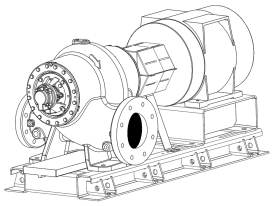

Model VSH 10x12x22A

Double Suction Split Case Pump

VSX™ REVOLUTION-X

SPECIFICATIONS

FLOW _____ HEAD _____

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STANDARD MATERIALS OF CONSTRUCTION

☒ Cast Iron Bronze Fitted

☒ Heavy Duty Maintenance Free Bearings

☒ Alignment Friendly Coupling

☒ Heavy Duty Grootless Baseplate

☒ ANSI/OSHA Coupling Guard

☒ ISO 1940-1:2003 Impeller Balance

OPTIONAL MATERIALS OF CONSTRUCTION

☐ Galvanized Drip Pan

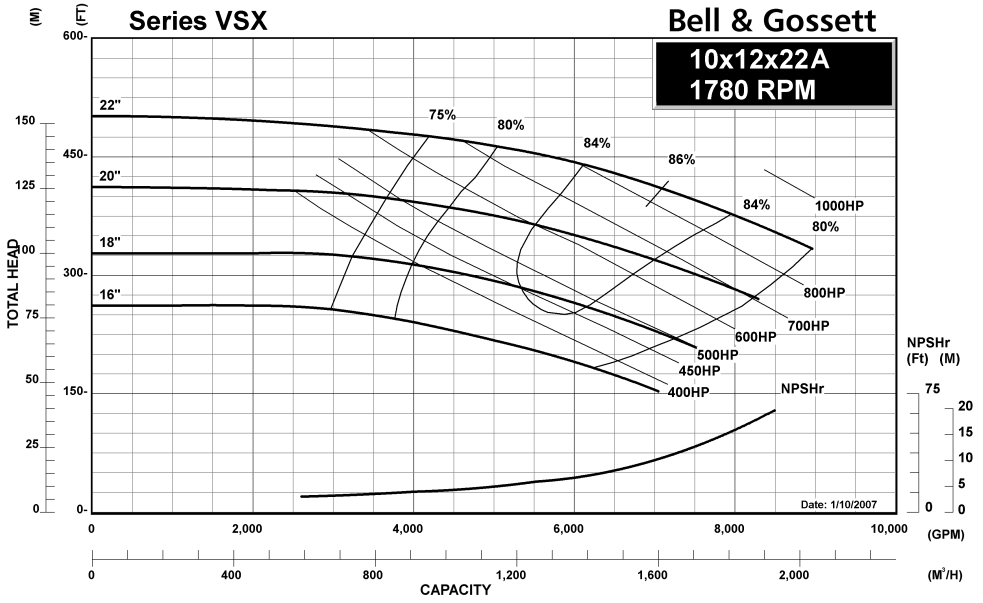
☐ Spacer Coupling

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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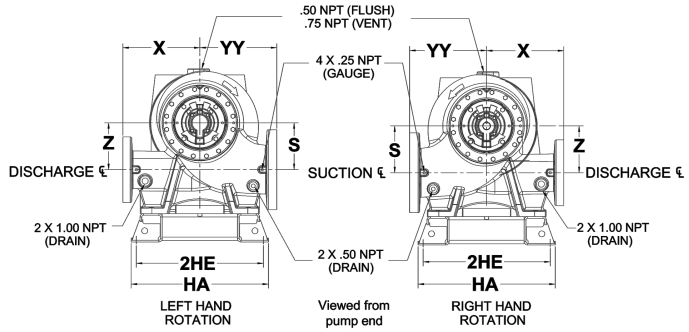
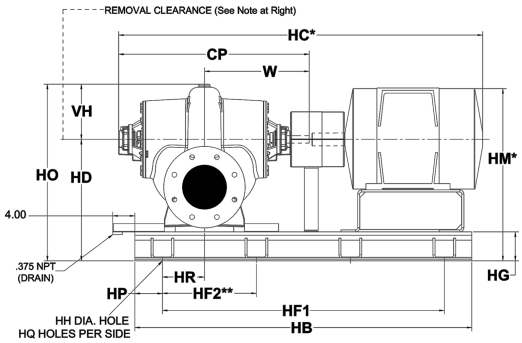


FLANGE DIMENSIONS IN INCHES (MM)			
	SIZE	THICKNESS	O.D.
Discharge	10"	2.06 (52)	17 (432)
Suction	12"	2.19 (56)	20.25 (514)

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

DIMENSIONS IN INCHES (MM)				
S	Z	X	YY	VH
14.56 (370)	14.56 (370)	24.75 (629)	24.75 (629)	17.25 (438)

Removal clearance from end of bracket: 26 Inches (660 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 PUMPS WITH STANDARD COUPLERS															
	CP	HA	HB	HC* MAX.	HD	2HE	HF_1	HF_2**	HG	HH	HM* MAX.	HO	HP	HQ	HR	W
404T/TS	41.4 (1052)	41 (1041)	91 (2311)	78.71 (1999)	33 (838)	39.12 (994)	81 (2057)	20.25 (514)	7 (178)	1.13 (29)	47 (1194)	50.25 (1276)	5 (127)	5	14.75 (375)	23.21 (590)
405T/TS	41.4 (1052)	41 (1041)	91 (2311)	80.71 (2050)	33 (838)	39.12 (994)	81 (2057)	20.25 (514)	7 (178)	1.13 (29)	47 (1194)	50.25 (1276)	5 (127)	5	14.75 (375)	23.21 (590)
444T/TS	41.4 (1052)	41 (1041)	91 (2311)	86.176 (2189)	33 (838)	39.12 (994)	81 (2057)	20.25 (514)	7 (178)	1.13 (29)	48.52 (1232)	50.25 (1276)	5 (127)	5	14.75 (375)	23.21 (590)
445T/TS	41.4 (1052)	41 (1041)	91 (2311)	87.78 (2230)	33 (838)	39.12 (994)	81 (2057)	20.25 (514)	7 (178)	1.13 (29)	48.52 (1232)	50.25 (1276)	5 (127)	5	14.75 (375)	23.21 (590)
447T/TS	41.4 (1052)	41 (1041)	96 (2438)	94.26 (2394)	33 (838)	39.12 (994)	86 (2184)	17.2 (437)	7 (178)	1.13 (29)	46.88 (1191)	50.25 (1276)	5 (127)	6	14.75 (375)	23.21 (590)
449T/TS	41.4 (1052)	41 (1041)	96 (2438)	94.96 (2412)	33 (838)	39.12 (994)	86 (2184)	17.2 (437)	7 (178)	1.13 (29)	46.88 (1191)	50.25 (1276)	5 (127)	6	14.75 (375)	23.21 (590)
5008S/MS † ‡	41.4 (1052)	41 (1041)	96 (2438)	90.78 (2306)	33 (838)	39.12 (994)	86 (2184)	17.2 (437)	7 (178)	1.13 (29)	47.5 (1207)	50.25 (1276)	5 (127)	6	14.75 (375)	23.21 (590)
5010S/MS † ‡	41.4 (1052)	41 (1041)	108 (2743)	97.78 (2484)	35.38 (899)	38 (965)	98 (2489)	24.5 (622)	9.38 (238)	1.375 (35)	49.88 (1267)	52.63 (1337)	5 (127)	5	14.75 (375)	23.21 (590)
5012S/MS † ‡	41.4 (1052)	41 (1041)	108 (2743)	105.78 (2687)	35.38 (899)	38 (965)	98 (2489)	24.5 (622)	9.38 (238)	1.375 (35)	49.88 (1267)	52.63 (1337)	5 (127)	5	14.75 (375)	23.21 (590)
5807S † ‡	41.4 (1052)	41 (1041)	106.50 (2705)	101.15 (2569)	35.38 (899)	38 (965)	96.50 (2451)	24.125 (613)	9.38 (238)	1.375 (35)	50.94 (1294)	52.63 (1337)	5 (127)	5	14.75 (375)	23.21 (590)
5809S † ‡	41.4 (1052)	41 (1041)	106.50 (2705)	108.15 (2747)	35.38 (899)	38 (965)	96.50 (2451)	24.125 (613)	9.38 (238)	1.375 (35)	50.94 (1294)	52.63 (1337)	5 (127)	5	14.75 (375)	23.21 (590)
5811S † ‡	41.4 (1052)	41 (1041)	106.50 (2750)	116.15 (2950)	35.38 (899)	38 (965)	96.50 (2451)	24.125 (613)	9.38 (238)	1.375 (35)	50.94 (1294)	52.63 (1337)	5 (127)	5	14.75 (375)	23.21 (590)
5811M+ † ‡	41.4 (1052)	41 (1041)	106.5 (2705)	128.09 (3253)	35.38 (899)	38 (965)	96.52 (2452)	24.13 (613)	9.38 (238)	1.375 (35)	103.51 (2629)	52.63 (1337)	5 (127)	5	14.75 (375)	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.

Xylem Inc.
8200 N. Austin Avenue
Morton Grove, IL 60053
Phone: (847)966-3700
Fax: (847)965-8379

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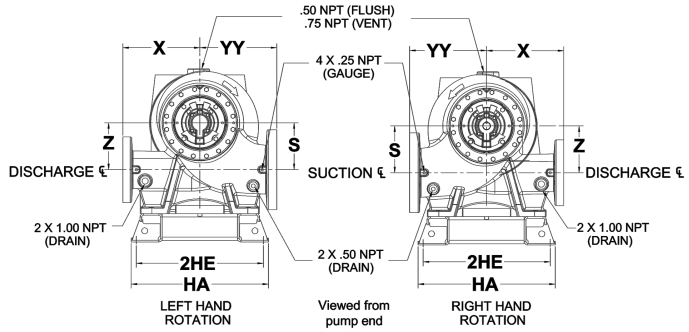


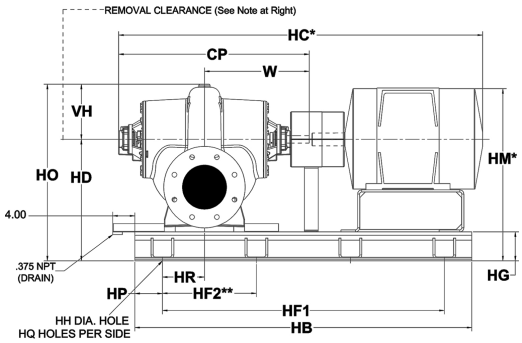
FLANGE DIMENSIONS IN INCHES (MM)			
	SIZE	THICKNESS	O.D.
Discharge	10"	2.06 (52)	17 (432)
Suction	12"	2.19 (56)	20.25 (514)

FLANGES ARE DRILLED 125# ANSI - STANDARD

250# ANSI - AVAILABLE

DIMENSIONS IN INCHES (MM)				
S	Z	X	YY	VH
14.56 (370)	14.56 (370)	24.75 (629)	24.75 (629)	17.25 (438)

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



SPACER COUPLER

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

**Distance to the next available hole.

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
404T/TS	41.4 (1052)	41 (1041)	105 (2667)	87.46 (2221)	33 (838)	39.12 (994)	95 (2413)	19 (483)	7 (178)	1.13 (29)	47 (1194)	50.25 (1276)	5 (127)	6	14.75 (375)	23.21 (590)
405T/TS	41.4 (1052)	41 (1041)	105 (2667)	89.46 (2272)	33 (838)	39.12 (994)	95 (2413)	19 (483)	7 (178)	1.13 (29)	47 (1194)	50.25 (1276)	5 (127)	6	14.75 (375)	23.21 (590)
444T/TS	41.4 (1052)	41 (1041)	105 (2667)	94.926 (2411)	33 (838)	39.12 (994)	95 (2413)	19 (483)	7 (178)	1.13 (29)	48.52 (1232)	50.25 (1276)	5 (127)	6	14.75 (375)	23.21 (590)
445T/TS	41.4 (1052)	41 (1041)	105 (2667)	96.53 (2452)	33 (838)	39.12 (994)	95 (2413)	19 (483)	7 (178)	1.13 (29)	48.52 (1232)	50.25 (1276)	5 (127)	6	14.75 (375)	23.21 (590)
447T/TS	41.4 (1052)	41 (1041)	105 (2667)	103.01 (2616)	33 (838)	39.12 (994)	95 (2413)	19 (483)	7 (178)	1.13 (29)	46.88 (1191)	50.25 (1276)	5 (127)	6	14.75 (375)	23.21 (590)
449T/TS	41.4 (1052)	41 (1041)	105 (2667)	103.71 (2634)	33 (838)	39.12 (994)	95 (2413)	19 (483)	7 (178)	1.13 (29)	46.88 (1191)	50.25 (1276)	5 (127)	6	14.75 (375)	23.21 (590)
5008S/MS † ‡	41.4 (1052)	41 (1041)	105 (2667)	99.53 (2528)	33 (838)	39.12 (994)	95 (2413)	19 (483)	7 (178)	1.13 (29)	47.5 (1207)	50.25 (1276)	5 (127)	6	14.75 (375)	23.21 (590)
5010S/MS † ‡	41.4 (1052)	41 (1041)	124 (3150)	106.03 (2693)	35.38 (899)	38 (965)	114 (2895)	28.5 (724)	9.38 (238)	1.375 (35)	49.88 (1267)	52.63 (1337)	5 (127)	5	14.75 (375)	23.21 (590)
5012S/MS † ‡	41.4 (1052)	41 (1041)	124 (3150)	114.03 (2896)	35.38 (899)	38 (965)	114 (2896)	28.5 (724)	9.38 (238)	1.375 (35)	49.88 (1267)	52.63 (1337)	5 (127)	5	14.75 (375)	23.21 (590)
5807S † ‡	41.4 (1052)	41 (1041)	110.50 (2807)	109.65 (2785)	35.38 (899)	38 (965)	100.52 (2553)	25.13 (638)	9.38 (238)	1.375 (35)	50.94 (1294)	52.63 (1337)	5 (127)	5	14.75 (375)	23.21 (590)
5809S † ‡	41.4 (1052)	41 (1041)	110.50 (2807)	116.65 (2963)	35.38 (899)	38 (965)	100.52 (2553)	25.13 (638)	9.38 (238)	1.375 (35)	50.94 (1294)	52.63 (1337)	5 (127)	5	14.75 (375)	23.21 (590)
5811S † ‡	41.4 (1052)	41 (1041)	110.50 (2807)	124.65 (3166)	35.38 (899)	38 (965)	100.52 (2553)	25.13 (638)	9.38 (238)	1.375 (35)	50.94 (1294)	52.63 (1337)	5 (127)	5	14.75 (375)	23.21 (590)
5811M+ † ‡	41.4 (1052)	41 (1041)	110.50 (2807)	136.59 (3469)	35.38 (899)	38 (965)	100.52 (2553)	25.13 (638)	9.38 (238)	1.375 (35)	103.51 (2629)	52.63 (1337)	5 (127)	5	14.75 (375)	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.

† 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.
8200 N. Austin Avenue
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Phone: (847)966-3700
Fax: (847)965-8379
www.bellgossett.com