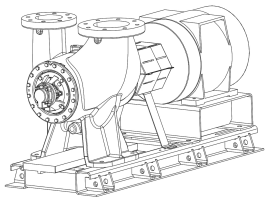
Bell & Gossett
a xylem brand

SUBMITTAL

B-865.12E

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



Model VSC 10x12x17½A

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

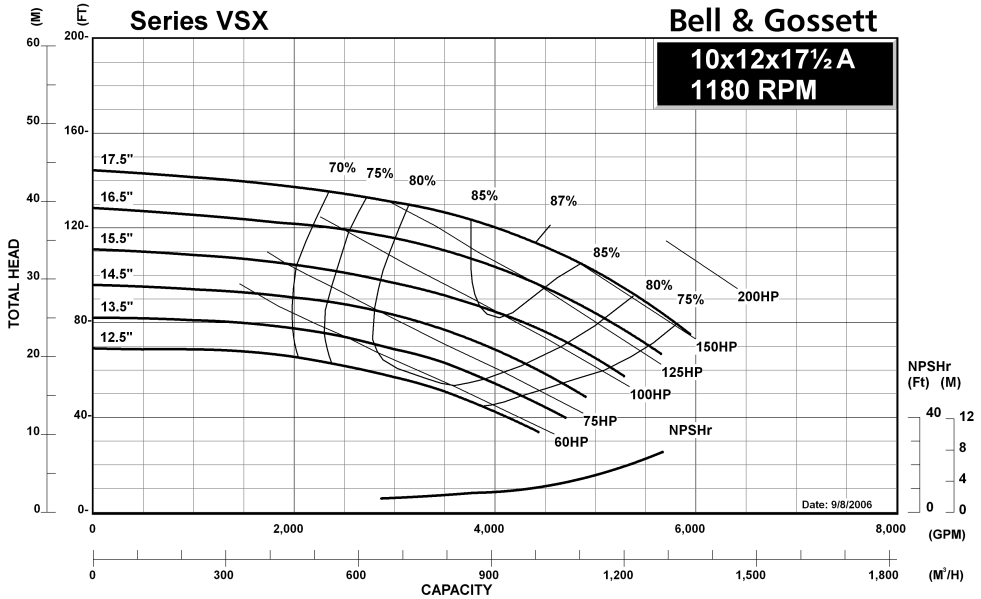
☐ Spacer Coupling

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, 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)



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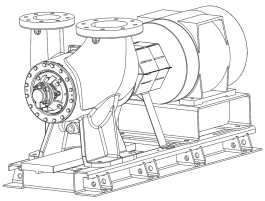
SUBMITTAL

B-865.12E

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



Model VSC 10x12x17½A

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

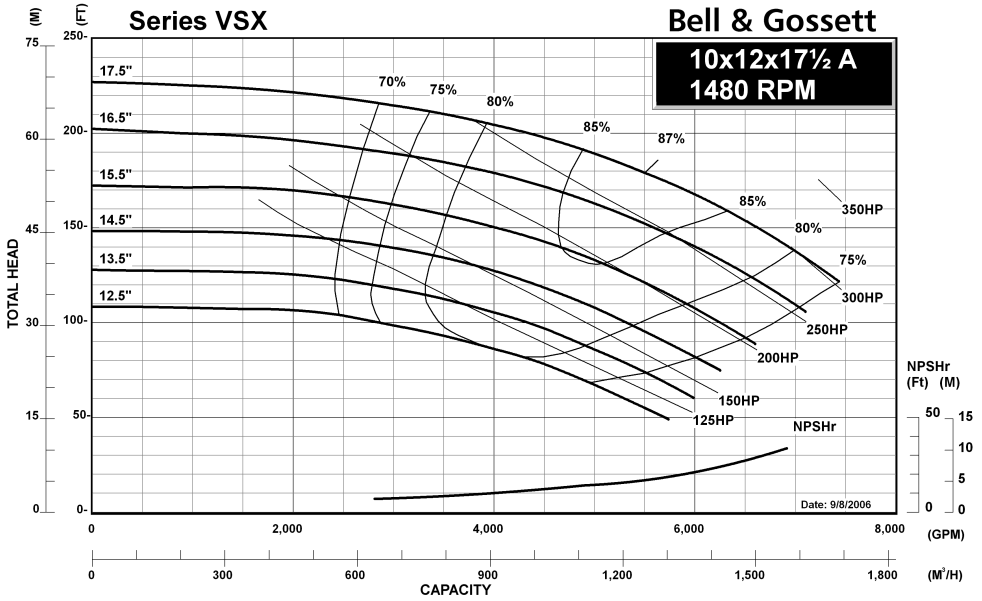
☐ Spacer Coupling

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, 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)



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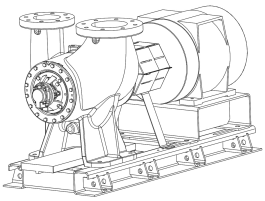
SUBMITTAL

B-865.12E

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



Model VSC 10x12x17½A

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

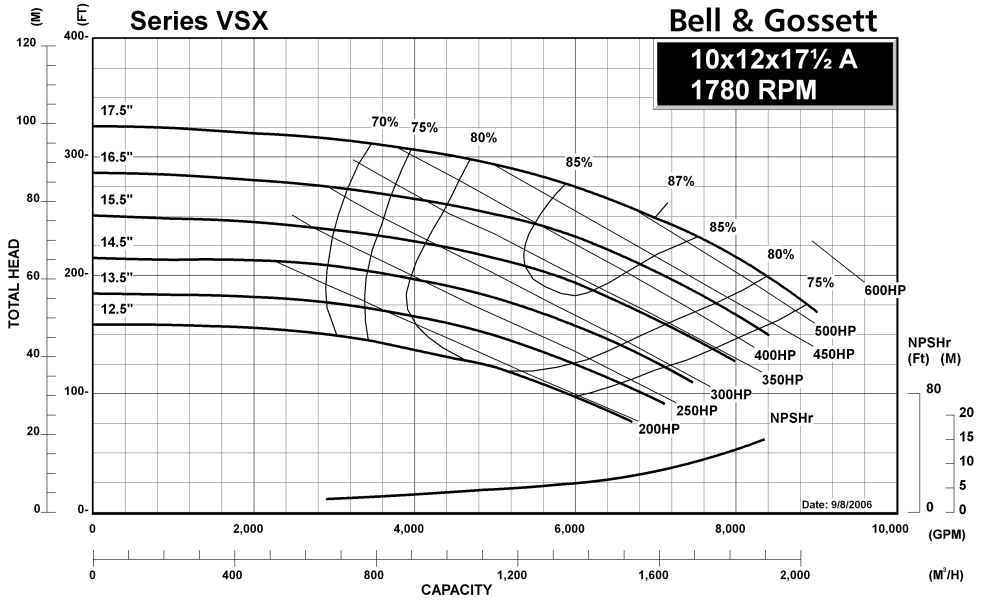
☐ Spacer Coupling

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, 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)



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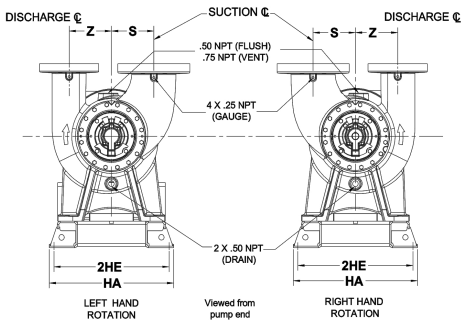
Model VSC 10x12x17½A Centrifugal Pump Submittal

B-865.12E



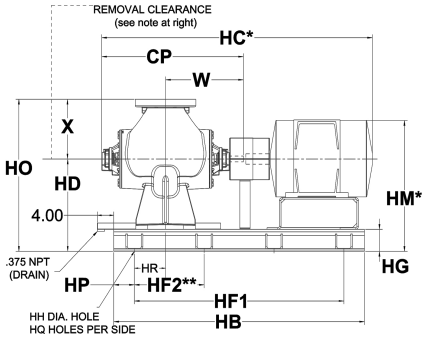
FLANGE DIMENSIONS IN INCHES (MM)			
	SIZE	**THICKNESS**	**O.D.**
Discharge	10"	2.13 (54)	17 (432)
Suction	12"	2.25 (57)	20.25 (514)

FLANGES ARE 125# ANSI - STANDARD

250# ANSI - AVAILABLE

DIMENSIONS IN INCHES (MM)		
S	**X**	**Z**
13 (330)	22 (559)	13 (330)

Removal clearance from end of bracket: 30 Inches (762 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 STANDARD COUPLER															
	CP	**HA**	**HB**	**HC***	**HD**	**2HE**	**HF_1**	**HF_2****	**HG**	**HH**	**HM***	**HO**	**HP**	**HQ**	**HR**	**W**
365	42.12 (1070)	41 (1041)	91 (2311)	76.329 (1939)	31.5 (800)	39.12 (994)	81 (2057)	20.25 (514)	7 (178)	1.13 (29)	41.45 (1053)	53.5 (1359)	5 (127)	5	14.75 (375)	23.56 (598)
404	42.12 (1070)	41 (1041)	91 (2311)	79.43 (2018)	31.5 (800)	39.12 (994)	81 (2057)	20.25 (514)	7 (178)	1.13 (29)	41.97 (1066)	53.5 (1359)	5 (127)	5	14.75 (375)	23.56 (598)
405	42.12 (1070)	41 (1041)	91 (2311)	81.43 (2068)	31.5 (800)	39.12 (994)	81 (2057)	20.25 (514)	7 (178)	1.13 (29)	41.97 (1066)	53.5 (1359)	5 (127)	5	14.75 (375)	23.56 (598)
444	42.12 (1070)	41 (1041)	91 (2311)	86.896 (2207)	31.5 (800)	39.12 (994)	81 (2057)	20.25 (514)	7 (178)	1.13 (29)	47.02 (1194)	53.5 (1359)	5 (127)	5	14.75 (375)	23.56 (598)
445	42.12 (1070)	41 (1041)	91 (2311)	88.5 (2248)	31.5 (800)	39.12 (994)	81 (2057)	20.25 (514)	7 (178)	1.13 (29)	47.02 (1194)	53.5 (1359)	5 (127)	5	14.75 (375)	23.56 (598)
447	42.12 (1070)	41 (1041)	96 (2438)	94.98 (2412)	31.5 (800)	39.12 (994)	86 (2184)	17.2 (437)	7 (178)	1.13 (29)	45.38 (1153)	53.5 (1359)	5 (127)	6	14.75 (375)	23.56 (598)
449	42.12 (1070)	41 (1041)	96 (2438)	95.68 (2430)	31.5 (800)	39.12 (994)	86 (2184)	17.2 (437)	7 (178)	1.13 (29)	45.38 (1153)	53.5 (1359)	5 (127)	6	14.75 (375)	23.56 (598)
† ‡ 5008MS	42.12 (1070)	41 (1041)	96 (2438)	91.5 (2324)	31.5 (800)	39.12 (994)	86 (2184)	17.2 (437)	7 (178)	1.13 (29)	46 (1168)	53.5 (1359)	5 (127)	6	14.75 (375)	23.56 (598)
† ‡ 5010MS	42.12 (1070)	41 (1041)	95.5 (2426)	98 (2489)	33.88 (861)	38 (965)	86 (2184)	21.5 (546)	9.38 (238)	1.375 (35)	48.38 (1168)	55.88 (1419)	4.75 (121)	4	15.00 (381)	23.56 (598)
† ‡ 5807S	42.12 (1070)	41 (1041)	107 (2718)	101.62 (2581)	33.88 (861)	38 (965)	97 (2464)	24.25 (616)	9.38 (238)	1.375 (35)	49.44 (1256)	55.88 (1419)	5 (127)	5	14.75 (375)	23.56 (598)
† ‡ 5809S	42.12 (1070)	41 (1041)	107 (2718)	108.62 (2759)	33.88 (861)	38 (965)	97 (2464)	24.25 (616)	9.38 (238)	1.375 (35)	49.44 (1256)	55.88 (1419)	5 (127)	5	14.75 (375)	23.56 (598)
† ‡ 5811S	42.12 (1070)	41 (1041)	107 (2718)	116.62 (2962)	33.88 (861)	38 (965)	97 (2464)	24.25 (616)	9.38 (238)	1.375 (35)	49.44 (1256)	55.88 (1419)	5 (127)	5	14.75 (375)	23.56 (598)

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.

‡ Subimttal 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
www.bellgossett.com

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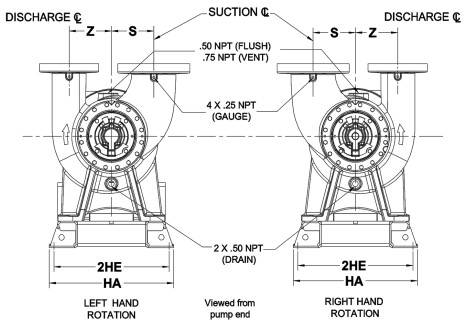
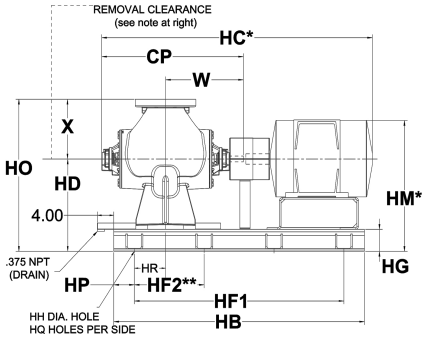


FLANGE DIMENSIONS IN INCHES (MM)			
	SIZE	**THICKNESS**	**O.D.**
Discharge	10"	2.13 (54)	17 (432)
Suction	12"	2.25 (57)	20.25 (514)

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

DIMENSIONS IN INCHES (MM)		
S	**X**	**Z**
13 (330)	22 (559)	13 (330)

Removal clearance from end of bracket: 30 Inches (762 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 SPACER COUPLER															
	CP	**HA**	**HB**	**HC***	**HD**	**2HE**	**HF_1**	**HF_2****	**HG**	**HH**	**HM***	**HO**	**HP**	**HQ**	**HR**	**W**
365	42.12 (1070)	41 (1041)	96 (2438)	89.329 (2269)	31.5 (800)	39.12 (994)	86 (2184)	17.2 (437)	7 (178)	1.13 (29)	41.45 (1053)	53.5 (1359)	5 (127)	6	14.75 (375)	23.56 (598)
404	42.12 (1070)	41 (1041)	105 (2667)	91.93 (2335)	31.5 (800)	39.12 (994)	95 (2413)	19 (483)	7 (178)	1.13 (29)	41.97 (1066)	53.5 (1359)	5 (127)	6	14.75 (375)	23.56 (598)
405	42.12 (1070)	41 (1041)	105 (2667)	93.93 (2386)	31.5 (800)	39.12 (994)	95 (2413)	19 (483)	7 (178)	1.13 (29)	41.97 (1066)	53.5 (1359)	5 (127)	6	14.75 (375)	23.56 (598)
444	42.12 (1070)	41 (1041)	105 (2667)	99.396 (2525)	31.5 (800)	39.12 (994)	95 (2413)	19 (483)	7 (178)	1.13 (29)	47.02 (1194)	53.5 (1359)	5 (127)	6	14.75 (375)	23.56 (598)
445	42.12 (1070)	41 (1041)	105 (2667)	101 (2565)	31.5 (800)	39.12 (994)	95 (2413)	19 (483)	7 (178)	1.13 (29)	47.02 (1194)	53.5 (1359)	5 (127)	6	14.75 (375)	23.56 (598)
447	42.12 (1070)	41 (1041)	105 (2667)	107.48 (2730)	31.5 (800)	39.12 (994)	95 (2413)	19 (483)	7 (178)	1.13 (29)	45.38 (1153)	53.5 (1359)	5 (127)	6	14.75 (375)	23.56 (598)
449	42.12 (1070)	41 (1041)	105 (2667)	108.18 (2748)	31.5 (800)	39.12 (994)	95 (2413)	19 (483)	7 (178)	1.13 (29)	45.38 (1153)	53.5 (1359)	5 (127)	6	14.75 (375)	23.56 (598)
† ‡ 5008MS	42.12 (1070)	41 (1041)	105 (2667)	104 (2642)	31.5 (800)	39.12 (994)	95 (2413)	19 (483)	7 (178)	1.13 (29)	46 (1168)	53.5 (1359)	5 (127)	6	14.75 (375)	23.56 (598)
† ‡ 5010MS	42.12 (1070)	41 (1041)	108 (2743)	110.5 (2807)	33.88 (861)	38 (965)	98 (2489)	24.5 (622)	9.38 (238)	1.375 (35)	48.38 (1168)	55.88 (1419)	5 (127)	5	14.75 (375)	23.56 (598)
† ‡ 5807S	42.12 (1070)	41 (1041)	118 (2997)	114.12 (2899)	33.88 (861)	38 (965)	108 (2743)	27 (686)	9.38 (238)	1.375 (35)	49.44 (1256)	55.88 (1419)	5 (127)	5	14.75 (375)	23.56 (598)
† ‡ 5809S	42.12 (1070)	41 (1041)	118 (2997)	121.12 (3076)	33.88 (861)	38 (965)	108 (2743)	27 (686)	9.38 (238)	1.375 (35)	49.44 (1256)	55.88 (1419)	5 (127)	5	14.75 (375)	23.56 (598)
† ‡ 5811S	42.12 (1070)	41 (1041)	118 (2997)	129.12 (3280)	33.88 (861)	38 (965)	108 (2743)	27 (686)	9.38 (238)	1.375 (35)	49.44 (1256)	55.88 (1419)	5 (127)	5	14.75 (375)	23.56 (598)

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.
‡ Subimttal dimensions for motor frames above 449 NEMA are specific to ODP U.S. Electric Motors Only.
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.

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8200 N. Austin Avenue
Morton Grove, IL 60053
Phone: (847)966-3700

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