

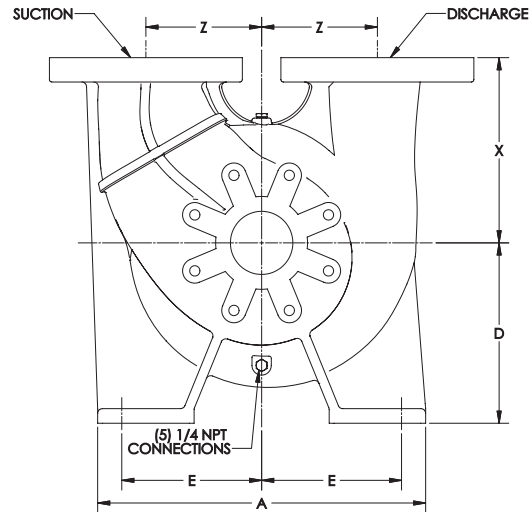
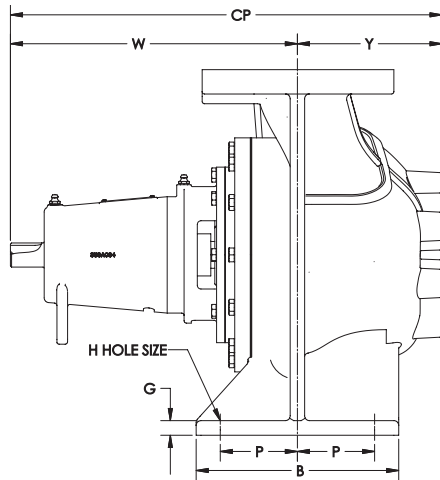
3314 Engineering and Dimension Details

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Dated May 2012



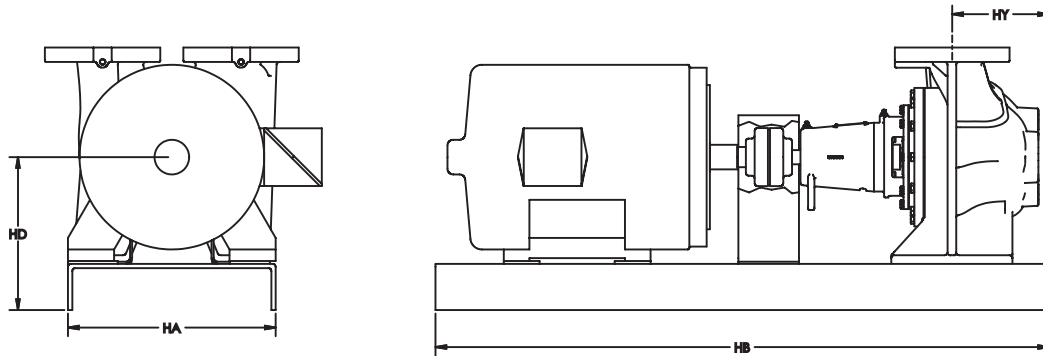
Pump Size	Discharge	Suction	D	X	Y	Z	P	B	G	H	E	A	W	CP	U	V	Key
4x4x9.5S	4	4	9.25 (235)	9.50 (241)	7.50 (191)	6.00 (152)	4.00 (102)	10.50 (267)	0.75 (019)	0.75 (019)	7.50 (191)	17.00 (432)	11.56 (294)	19.06 (484)	1.00 (025)	1.63 (041)	.25 (6) SQ. x 1.250 (30) LNG
4x4x9.5L	4	4	9.25 (235)	9.50 (241)	7.50 (191)	6.00 (152)	4.00 (102)	10.50 (267)	0.75 (019)	0.75 (019)	7.50 (191)	17.00 (432)	14.81 (376)	22.31 (567)	1.25 (032)	1.75 (044)	.25 (6) SQ. x 1.250 (30) LNG
5x5x9.5S	5	5	9.25 (235)	10.50 (267)	8.75 (222)	7.25 (184)	4.00 (102)	11.50 (292)	0.75 (019)	0.75 (019)	7.50 (191)	19.50 (495)	11.75 (298)	20.50 (521)	1.00 (025)	1.63 (041)	.25 (6) SQ. x 1.250 (30) LNG
5x5x9.5L	5	5	9.25 (235)	10.50 (267)	8.75 (222)	7.25 (184)	4.00 (102)	11.50 (292)	0.75 (019)	0.75 (019)	7.50 (191)	19.50 (495)	14.88 (378)	23.63 (600)	1.25 (032)	1.75 (044)	.25 (6) SQ. x 1.250 (30) LNG
5x5x12S	5	5	9.25 (235)	11.50 (292)	8.75 (222)	8.00 (203)	4.00 (102)	11.50 (292)	0.75 (019)	0.75 (019)	7.50 (191)	19.00 (483)	12.08 (307)	20.83 (529)	1.00 (025)	1.63 (041)	.25 (6) SQ. x 1.250 (30) LNG
5x5x12L	5	5	9.25 (235)	11.50 (292)	8.75 (222)	8.00 (203)	4.00 (102)	11.50 (292)	0.75 (019)	0.75 (019)	7.50 (191)	19.00 (483)	14.46 (367)	23.21 (590)	1.25 (032)	1.75 (044)	.25 (6) SQ. x 1.250 (30) LNG
5x5x12XL	5	5	9.25 (235)	11.50 (292)	8.75 (222)	8.00 (203)	4.00 (102)	11.50 (292)	0.75 (019)	0.75 (019)	7.50 (191)	19.00 (483)	18.61 (473)	27.36 (695)	1.88 (048)	3.50 (089)	.50 (13) SQ. x 2.63 (67) LNG
6x6x9.5S	6	6	10.50 (267)	11.50 (292)	9.75 (248)	8.00 (203)	7.00 (178)	17.00 (432)	0.88 (022)	0.88 (022)	10.50 (267)	26.00 (660)	12.06 (306)	21.81 (554)	1.00 (025)	1.63 (041)	.25 (6) SQ. x 1.250 (30) LNG
6x6x9.5L	6	6	10.50 (267)	11.50 (292)	9.75 (248)	8.00 (203)	7.00 (178)	17.00 (432)	0.88 (022)	0.88 (022)	10.50 (267)	26.00 (660)	15.19 (386)	24.94 (633)	1.25 (032)	1.75 (044)	.25 (6) SQ. x 1.250 (30) LNG
6x6x11S	6	6	10.88 (276)	12.13 (308)	10.25 (260)	8.75 (222)	7.00 (178)	17.00 (432)	0.75 (019)	0.88 (022)	10.50 (267)	26.00 (660)	11.04 (280)	21.29 (541)	1.00 (025)	1.63 (041)	.25 (6) SQ. x 1.250 (30) LNG
6x6x11L	6	6	10.88 (276)	12.13 (308)	10.25 (260)	8.75 (222)	7.00 (178)	17.00 (432)	0.75 (019)	0.88 (022)	10.50 (267)	26.00 (660)	13.75 (349)	24.00 (610)	1.25 (032)	1.75 (044)	.25 (6) SQ. x 1.250 (30) LNG
6x8x11L	6	8	10.88 (276)	12.13 (308)	11.13 (283)	8.25 (210)	7.00 (178)	17.00 (432)	0.75 (019)	0.88 (022)	10.50 (267)	24.00 (610)	15.17 (385)	26.30 (668)	1.25 (032)	1.75 (044)	.25 (6) SQ. x 1.250 (30) LNG
6x8x11XL	6	8	10.88 (276)	12.13 (308)	11.13 (283)	8.25 (210)	7.00 (178)	17.00 (432)	0.75 (019)	0.88 (022)	10.50 (267)	24.00 (610)	19.28 (490)	30.41 (772)	1.88 (048)	3.50 (089)	.50 (13) SQ. x 2.63 (67) LNG
8x8x12L	8	8	10.88 (276)	13.63 (346)	10.13 (257)	8.50 (216)	7.00 (178)	17.00 (432)	0.75 (019)	0.88 (022)	10.50 (267)	26.00 (660)	15.17 (385)	25.30 (643)	1.25 (032)	1.75 (044)	.25 (6) SQ. x 1.250 (30) LNG
8x8x12XL	8	8	10.88 (276)	13.63 (346)	10.13 (257)	8.50 (216)	7.00 (178)	17.00 (432)	0.75 (019)	0.88 (022)	10.50 (267)	26.00 (660)	19.28 (490)	29.41 (747)	1.88 (048)	3.50 (089)	.50 (13) SQ. x 2.63 (67) LNG
8x8x13.5XL	8	8	13.13 (333)	12.88 (327)	10.88 (276)	9.50 (241)	7.00 (178)	17.00 (432)	0.75 (019)	0.88 (022)	10.50 (267)	24.00 (610)	18.56 (471)	29.44 (748)	1.88 (048)	3.50 (089)	.50 (13) SQ. x 2.63 (67) LNG
10x10x13.5XL	10	10	14.63 (371)	16.38 (416)	12.88 (327)	11.00 (279)	7.50 (191)	19.00 (483)	0.88 (022)	0.88 (022)	12.50 (318)	32.00 (813)	18.44 (468)	31.32 (795)	1.88 (048)	3.50 (089)	.50 (13) SQ. x 2.63 (67) LNG

S - denotes small power frame
L - denotes large power frame
XL - denotes extra large power frame

Notes

1. Dimensions are approximate.
2. All dimensions are in inches (mm) and may vary +/- 1/4 (6).
3. Not for construction purposes unless certified.

3314 Engineering and Dimension Details



CATALOG DIMENSIONS		145T	182T	184T	213T	215T	254T	256T	284T	284TS	286T	286TS	324T	324TS	326T	326TS	364T	364TS	365T	365TS	404T	404TS	405T	405TS	444T	444TS	445T	445TS		
MOTOR "C" DIMENSION =>		12.75	13.75	16.00	17.00	20.50	22.25	23.25	22.00	25.00	23.50	26.00	24.50	27.50	26.00	28.50	26.50	29.50	27.50	32.50	29.50	34.00	31.00	37.75	34.00	39.75	36.00			
PUMP SIZE	FRAME	UNIT DIMS																												
4x4x9.5	S	"HA" x "HB"		18x38	18x38	18x44	18x44	18x44	18x44		18x48		18x48		18x48		18x48													
		"HY"		8.25	8.25	8.25	8.25	8.25	8.25		8.25		8.25		8.25		8.25													
		"HD"		13.25	13.25	13.25	13.25	13.25	13.25		13.25		13.25		13.25		13.25													
	L	"HA" x "HB"																	18x54		18x54		22x54							
		"HY"																	8.25		8.25		8.25							
		"HD"																13.25		13.25		14.00								
5x5x9.5	S	"HA" x "HB"			22x44	22x44	22x44	22x44	22x44			22x48		22x48		22x48														
		"HY"			8.25	8.25	8.25	8.25	8.25			8.25		8.25		8.25														
		"HD"			13.25	13.25	13.25	13.25	13.25			13.25		13.25		13.25														
	L	"HA" x "HB"																	22x54		22x54		22x60		22x60					
		"HY"																	8.25		8.25		8.25		8.25					
		"HD"																13.25		13.25		14.00		14.00						
5x5x12	S	"HA" x "HB"				22x44	22x44	22x44	22x44	22x54		22x54																		
		"HY"				8.25	8.25	8.25	8.25	8.25		8.25		8.25		8.25														
		"HD"				13.25	13.25	13.25	13.25	13.25		13.25																		
	L	"HA" x "HB"											22x54		22x54															
		"HY"											8.25		8.25															
		"HD"											13.25		13.25															
	XL	"HA" x "HB"																	22x60		22x60		22x60		22x64		22x64	22x64		
		"HY"																	8.25		8.25		8.25		8.25		8.25	8.25		
		"HD"																13.25		13.25		14.00		14.00		15.00	15.00	15.00		
6x6x9.5	S	"HA" x "HB"				26x54	26x54	26x54	26x54	26x54		26x54																		
		"HY"				11.50	11.50	11.50	11.50	11.50		11.50																		
		"HD"				14.50	14.50	14.50	14.50	14.50		14.50																		
	L	"HA" x "HB"																26x60		26x60		26x60		26x60		26x60	26x66	26x66	26x66	
		"HY"																11.50		11.50		11.50		11.50		11.50	11.50	11.50		
		"HD"															15.00		15.00		15.00		15.00		15.00	15.00	15.00	15.00		
6x6x11	S	"HA" x "HB"				26x54	26x54	26x54	26x54	26x54																				
		"HY"				11.50	11.50	11.50	11.50	11.50																				
		"HD"				14.88	14.88	14.88	14.88	14.88																				
	L	"HA" x "HB"										26x54		26x54		26x60	26x60	26x60	26x60	26x60		26x60		26x66		26x66				
		"HY"										11.50		11.50		11.50	11.50	11.50	11.50	11.50		11.50		11.50		11.50				
		"HD"									14.88		14.88		15.38	15.38	15.38	15.38	15.38		15.38		15.38		15.38		15.50			
6x8x11	L	"HA" x "HB"				26x54	26x54	26x54	26x54	26x54		26x54		26x54		26x60	26x60	26x60	26x60											
		"HY"				11.50	11.50	11.50	11.50	11.50		11.50		11.50		11.50	11.50	11.50	11.50											
		"HD"				14.88	14.88	14.88	14.88	14.88		14.88		14.88		15.38	15.38	15.38	15.38											
	XL	"HA" x "HB"																		26x60		26x60		26x66		26x66				
		"HY"																		11.50		11.50		11.50		11.50				
		"HD"																	15.38		15.38		15.38		15.38		15.50			
8x8x12	L	"HA" x "HB"					26x54	26x54	26x54		26x54		26x54		26x60			26x60					26x60							
		"HY"					11.50	11.50	11.50		11.50		11.50		11.50		11.50	11.50					11.50		11.50					
		"HD"					14.88	14.88	14.88		14.88		14.88		15.38		15.38	15.38					15.38		15.38					
	XL	"HA" x "HB"																			26x66		26x66		26x66		26x66	26x72	26x72	
		"HY"																			11.50		11.50		11.50		11.50	16.38		
		"HD"																		15.38		15.38		15.38		15.50	15.50	15.50		
8x8x13.5	XL	"HA" x "HB"							26x60		26x60		26x60		26x60		26x60		26x66		26x66		26x66		26x66		26x66			
		"HY"							11.50		11.50		11.50		11.50		11.50		11.50		11.50		11.50		11.50					
		"HD"							17.63		17.63		17.63		17.63		17.63		17.63		17.63		17.63		17.63		17.63			
10x10x13.5	XL	"HA" x "HB"								34x60		34x60		34x60		34x60		34x66		34x66		34x66		34x66		34x66				
		"HY"							12.50		12.50		12.50		12.50		12.50		12.50		12.50		12.50		12.50		12.50			
		"HD"							19.13		19.13		19.13		19.13		19.13		19.13		19.13		19.13		19.13		19.13			

S - denotes small power frame

L - denotes large power frame

XL - denotes extra large power frame

Notes

1. Dimensions are approximate.
2. All dimensions are in inches (mm) and may vary +/- 1/4 (6).
3. Not for construction purposes unless certified.

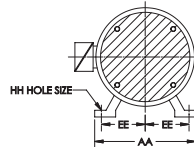
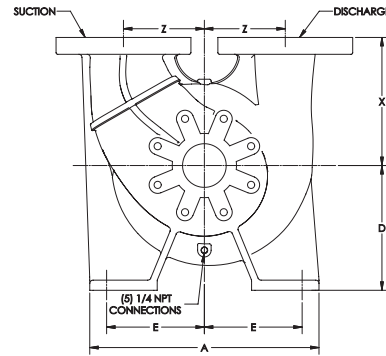
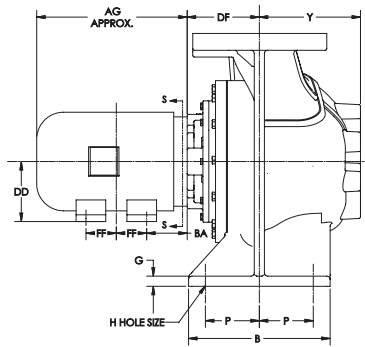
3311/3312 Engineering and Dimension Details

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Model 3311

															143-184	213-215	254-256	284-326	364-405	444-449
Pump Size	Discharge	Suction	D	X	Y	Z	P	B	G	H	E	A	VD	OPTIONAL SPOOL BASE SIZE	DF	DF	DF	DF	DF	DF
4x4x9.5	4	4	9.25 (235)	9.50 (241)	7.50 (191)	6.00 (152)	4.00 (102)	10.50 (267)	0.75 (019)	0.75 (019)	7.50 (191)	17.00 (432)	12.50 (318)	4" FLANGE	4.60 (117)	4.57 (116)	5.09 (129)	5.09 (129)	7.28 (185)	7.28 (185)
5x5x9.5	5	5	9.25 (235)	10.50 (267)	8.75 (222)	7.25 (184)	4.00 (102)	11.50 (292)	0.75 (019)	0.75 (019)	7.50 (191)	19.50 (495)	13.75 (349)	6" FLANGE	4.75 (121)	4.76 (121)	5.14 (131)	5.14 (131)	7.40 (188)	7.40 (188)
5x5x12	5	5	9.25 (235)	11.50 (292)	8.75 (222)	8.00 (203)	4.00 (102)	11.50 (292)	0.75 (019)	0.75 (019)	7.50 (191)	19.00 (483)	13.75 (349)	6" FLANGE	5.38 (137)	5.38 (137)	5.37 (136)	8.59 (218)	7.41 (188)	7.41 (188)
6x6x9.5	6	6	10.50 (267)	11.50 (292)	9.75 (248)	8.00 (203)	7.00 (178)	17.00 (432)	0.88 (022)	0.88 (022)	10.50 (267)	26.00 (660)	14.75 (375)	6" FLANGE	4.58 (116)	4.59 (116)	5.46 (139)	5.46 (139)	7.65 (194)	7.65 (194)
6x6x11	6	6	10.88 (276)	12.13 (308)	10.25 (260)	8.75 (222)	7.00 (178)	17.00 (432)	0.75 (019)	0.88 (022)	10.50 (267)	26.00 (660)	15.25 (387)	6" FLANGE	NA	4.311 (109)	4.821 (122)	7.712 (196)	6.953 (177)	6.953 (177)
6x8x11	6	8	10.88 (276)	12.13 (308)	11.13 (283)	8.25 (210)	7.00 (178)	17.00 (432)	0.75 (019)	0.88 (022)	10.50 (267)	24.00 (610)	16.13 (410)	8" FLANGE	NA	NA	6.267 (159)	9.293 (236)	8.077 (205)	8.077 (205)
8x8x12	8	8	10.88 (276)	13.63 (346)	10.13 (257)	8.50 (216)	7.00 (178)	17.00 (432)	0.75 (019)	0.88 (022)	10.50 (267)	26.00 (660)	15.13 (384)	8" FLANGE	NA	NA	6.267 (159)	9.293 (236)	8.077 (205)	8.077 (205)
8x8x13.5	8	8	13.13 (333)	12.88 (327)	10.88 (276)	9.50 (241)	7.00 (178)	17.00 (432)	0.75 (019)	0.88 (022)	10.50 (267)	24.00 (610)	15.88 (403)	8" FLANGE	NA	NA	NA	8.349 (212)	7.366 (187)	7.366 (187)
10x10x13.5	10	10	14.63 (371)	16.38 (416)	12.88 (327)	11.00 (279)	7.50 (191)	19.00 (483)	0.88 (022)	0.88 (022)	13.00 (330)	32.00 (813)	17.88 (454)	8" FLANGE	NA	NA	NA	7.739 (197)	7.241 (184)	7.241 (184)

JM / JP / TCZ MOTOR FRAMES							
FRAME	AG APPROX	AA	DD	EE	FF	HH	BA
143	10.00 (254)	7.00 (178)	3.50 (089)	2.75 (070)	2.00 (051)	0.34 (009)	2.38 (060)
145	11.00 (279)	7.00 (178)	3.50 (089)	2.75 (070)	2.50 (064)	0.34 (009)	2.38 (060)
182	11.00 (279)	9.00 (229)	4.50 (114)	3.75 (095)	2.25 (057)	0.41 (010)	2.88 (073)
184	12.00 (305)	9.00 (229)	4.50 (114)	3.75 (095)	2.75 (070)	0.41 (010)	2.88 (073)
213	14.00 (356)	10.50 (267)	5.25 (133)	4.25 (108)	2.75 (070)	0.41 (010)	3.75 (095)
215	15.00 (381)	10.50 (267)	5.25 (133)	4.25 (108)	3.50 (089)	0.41 (010)	3.75 (095)
254	17.50 (445)	12.50 (318)	6.25 (159)	5.00 (127)	4.13 (105)	0.53 (013)	4.50 (114)
256	19.00 (483)	12.50 (318)	6.25 (159)	5.00 (127)	5.00 (127)	0.53 (013)	4.50 (114)
284	19.00 (483)	14.00 (356)	7.00 (178)	5.50 (140)	4.75 (121)	0.53 (013)	5.00 (127)
286	21.00 (533)	14.00 (356)	7.00 (178)	5.50 (140)	5.50 (140)	0.53 (013)	5.00 (127)
324	22.00 (559)	16.00 (406)	8.00 (203)	6.25 (159)	5.25 (133)	0.66 (017)	5.50 (140)
326	23.00 (584)	16.00 (406)	8.00 (203)	6.25 (159)	6.00 (152)	0.66 (017)	5.50 (140)
364	24.00 (610)	18.00 (457)	9.00 (229)	7.00 (178)	5.63 (143)	0.66 (017)	6.13 (156)
365	24.00 (610)	18.00 (457)	9.00 (229)	7.00 (178)	6.13 (156)	0.66 (017)	6.13 (156)
404	27.25 (692)	20.00 (508)	10.00 (254)	8.00 (203)	6.13 (156)	0.81 (021)	6.88 (175)
405	28.75 (730)	20.00 (508)	10.00 (254)	8.00 (203)	6.88 (175)	0.81 (021)	6.88 (175)
444	31.13 (791)	22.00 (559)	11.00 (279)	9.00 (229)	7.25 (184)	0.81 (021)	7.75 (197)
445	31.13 (791)	22.00 (559)	11.00 (279)	9.00 (229)	8.25 (210)	0.81 (021)	7.75 (197)
447	39.63 (1006)	22.00 (559)	11.00 (279)	9.00 (229)	10.00 (254)	0.81 (021)	7.75 (197)
449	39.63 (1006)	22.00 (559)	11.00 (279)	9.00 (229)	12.50 (318)	0.81 (021)	7.75 (197)

Model 3312

