

A-C MOTOR INFORMATION (NEMA Frame Designation)

Frame Assignments

HP	Motor Speed, rpm				HP	Motor Speed, rpm			
	3600	1800	1200	900		3600	1800	1200	900
1/8 - 1/2	.....	48	.....	.....	15	215T, 256U	254T, 256U	284T, 324U	286T, 326U
1/8 - 1/2	48	.....	56	.....	20	254T, 284U	256T, 286U	286T, 326U	324T, 364U
1/4	.....	.....	48	.....	25	256T, 286U	284T, 324U	324T, 364U	326T, 365U
1/2 - 1	.....	56	.....	.....	30	284TS, 324S	286T, 326U	326T, 365U	364T, 404U
3/4 - 1	56	.....	.....	.....	40	286TS, 326S	324T, 364U	364T, 404U	365T, 404U
1/2	.....	.....	.....	143T	50	324TS, 364US	326T, 365U, 365US	365T, 405U	404T, 444U
3/4	.....	.....	143T	145T	60	326TS, 365US	364TSΔ, 404U, 404US	404T, 444U	405T, 445U
1	.....	143T	145T	182T	75	364TS, 404US	365TSΔ, 405U, 405US	405T, 445U	444T
1 1/2	143T	145T	182T	184T	100	365TS, 405US	404TSΔ, 444US	444T	445T
2	145T	145T	184T	213T	125	404TS, 444US	405TSΔ, 445US	445T	.....
3	145T	182T	213T	215T, 254U	150	405TS, 445US	444TSΔ	.....	.....
5	182T	184T	215T, 254U	254T, 256U	200	444TS	445TSΔ	.....	.....
7 1/2	184T	213T, 254U	254T, 256U	256T, 284U	250	445TS	.....	.....	.....
10	213T, 254U	215T, 256U	256T, 284U	284T, 286U	...	.....	.....	.....	.....

Motor Frame Dimensions

Frame Size	D	E	2F	H Dia. (4 Holes)	U Dia.	BA	V Min.	Key
48	3	2 1/8	2 3/4	1 1/32	1/2	2 1/2	...	3/16 Flat
56	3 1/2	2 7/16	3	1 1/32	5/8	2 3/4	...	3/16 x 3/16 x 1 3/8
143T	3 1/2	2 3/4	4	1 1/32	7/8	2 1/4	2	3/16 x 3/16 x 1 3/8
145T	3 1/2	2 3/4	5	1 1/32	7/8	2 1/4	2	3/16 x 3/16 x 1 3/8
182T	4 1/2	3 3/4	4 1/2	1 1/32	1 1/8	2 3/4	2 1/2	1/4 x 1/4 x 1 3/4
184T	4 1/2	3 3/4	5 1/2	1 1/32	1 1/8	2 3/4	2 1/2	1/4 x 1/4 x 1 3/4
213T	5 1/4	4 1/4	5 1/2	1 1/32	1 3/8	3 1/2	3 1/8	3/16 x 3/16 x 2 3/8
215T	5 1/4	4 1/4	7	1 1/32	1 3/8	3 1/2	3 1/8	3/16 x 3/16 x 2 3/8
254U	6 1/4	5	8 1/4	1 7/32	1 3/8	4 1/4	3 1/2	3/16 x 3/16 x 2 3/8
254T	6 1/4	5	8 1/4	1 7/32	1 3/8	4 1/4	3 1/2	3/16 x 3/16 x 2 3/8
256U	6 1/4	5	10	1 7/32	1 3/8	4 1/4	3 1/2	3/16 x 3/16 x 2 3/8
256T	6 1/4	5	10	1 7/32	1 3/8	4 1/4	3 1/2	3/16 x 3/16 x 2 3/8
284U	7	5 1/2	9 1/2	1 7/32	1 5/8	4 3/4	4 5/8	3/8 x 3/8 x 3 3/4
284T	7	5 1/2	9 1/2	1 7/32	1 5/8	4 3/4	4 5/8	1/2 x 1/2 x 3 1/4
284TS	7	5 1/2	9 1/2	1 7/32	1 5/8	4 3/4	3	3/8 x 3/8 x 1 7/8
286U	7	5 1/2	11	1 7/32	1 5/8	4 3/4	4 5/8	3/8 x 3/8 x 3 3/4
286T	7	5 1/2	11	1 7/32	1 5/8	4 3/4	4 5/8	1/2 x 1/2 x 3 1/4
286TS	7	5 1/2	11	1 7/32	1 5/8	4 3/4	3	3/8 x 3/8 x 1 7/8
324U	8	6 1/4	10 1/2	2 1/32	1 7/8	5 1/4	5 3/8	1/2 x 1/2 x 4 1/4
324T	8	6 1/4	10 1/2	2 1/32	2 1/8	5 1/4	5	1/2 x 1/2 x 3 7/8
324TS	8	6 1/4	10 1/2	2 1/32	1 7/8	5 1/4	3 1/2	1/2 x 1/2 x 2
326U	8	6 1/4	12	2 1/32	1 7/8	5 1/4	5 3/8	1/2 x 1/2 x 4 1/4
326T	8	6 1/4	12	2 1/32	2 1/8	5 1/4	5	1/2 x 1/2 x 3 7/8
326TS	8	6 1/4	12	2 1/32	1 7/8	5 1/4	3 1/2	1/2 x 1/2 x 2
364U	9	7	11 1/4	2 1/32	2 1/8	5 7/8	6 1/8	1/2 x 1/2 x 5
364US	9	7	11 1/4	2 1/32	1 7/8	5 7/8	3 1/2	1/2 x 1/2 x 2
364T	9	7	11 1/4	2 1/32	2 3/8	5 7/8	5 3/8	3/4 x 3/4 x 4 1/4
364TS	9	7	11 1/4	2 1/32	1 7/8	5 7/8	3 1/2	1/2 x 1/2 x 2
365U	9	7	12 1/4	2 1/32	2 1/8	5 7/8	6 1/8	1/2 x 1/2 x 5
365US	9	7	12 1/4	2 1/32	1 7/8	5 7/8	3 1/2	1/2 x 1/2 x 2
365T	9	7	12 1/4	2 1/32	2 3/8	5 7/8	5 3/8	3/4 x 3/4 x 4 1/4
365TS	9	7	12 1/4	2 1/32	1 7/8	5 7/8	3 1/2	1/2 x 1/2 x 2
404U	10	8	12 1/4	1 3/16	2 3/8	6 3/8	6 7/8	3/4 x 3/4 x 5 1/2
404US	10	8	12 1/4	1 3/16	2 1/8	6 3/8	4	1/2 x 1/2 x 2 3/4
404T	10	8	12 1/4	1 3/16	2 7/8	6 3/8	7	3/4 x 3/4 x 5 3/8
404TS	10	8	12 1/4	1 3/16	2 1/8	6 3/8	4	1/2 x 1/2 x 2 3/4
405U	10	8	13 3/4	1 3/16	2 3/8	6 3/8	6 7/8	3/4 x 3/4 x 5 1/2
405US	10	8	13 3/4	1 3/16	2 1/8	6 3/8	4	1/2 x 1/2 x 2 3/4
405T	10	8	13 3/4	1 3/16	2 7/8	6 3/8	7	3/4 x 3/4 x 5 3/8
405TS	10	8	13 3/4	1 3/16	2 1/8	6 3/8	4	1/2 x 1/2 x 2 3/4
444U	11	9	14 1/2	1 3/16	2 7/8	7 1/2	8 3/8	3/4 x 3/4 x 7
444US	11	9	14 1/2	1 3/16	2 1/8	7 1/2	7 1/2	1/2 x 1/2 x 2 3/4
444T	11	9	14 1/2	1 3/16	3 3/8	7 1/2	8 1/4	7/8 x 7/8 x 6 7/8
444TS	11	9	14 1/2	1 3/16	2 3/8	7 1/2	4 1/2	3/4 x 3/4 x 3
445U	11	9	16 1/2	1 3/16	2 7/8	7 1/2	8 3/8	3/4 x 3/4 x 7
445US	11	9	16 1/2	1 3/16	2 1/8	7 1/2	4	1/2 x 1/2 x 2 3/4
445T	11	9	16 1/2	1 3/16	3 3/8	7 1/2	8 1/4	7/8 x 7/8 x 6 7/8
445TS	11	9	16 1/2	1 3/16	2 3/8	7 1/2	4 1/2	3/4 x 3/4 x 3

