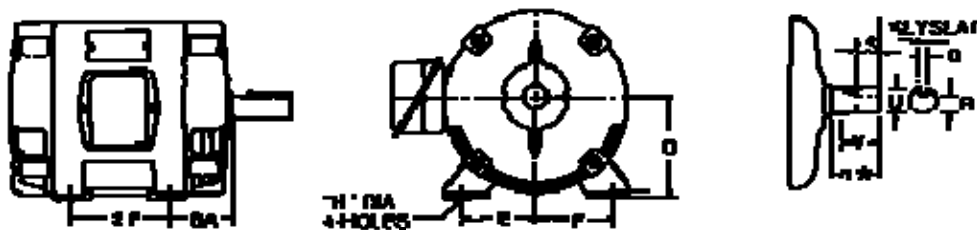


Nema Motor Information

NEMA FRAME DIMENSIONS A.C. Motors



Dimensions in Inches											
Frame	D	E	2F	H	U	BA	N-W	V min.	R	ES min.	S
48	3	2.12	2.75	.34	.5	2.5	1.5	-	.453	-	Flat
56	3.5	2.44	3	.34	.625	2.75	1.88	-	.517	1.41	.188
143	3.5	2.75	4	.34	.75	2.25	2	1.75	.643	1.41	.188
143T	3.5	2.75	4	.34	.875	2.25	2.25	2	.771	1.41	.188
145	3.5	2.75	5	.34	.75	2.25	2	1.75	.643	1.41	.188
145T	3.5	2.75	5	.34	.875	2.25	2.25	2	.771	1.41	.188
182	4.5	3.75	4.5	.41	.875	2.75	2.25	2	.771	1.41	.188
182T	4.5	3.75	4.5	.41	1.125	2.75	2.75	2.5	.986	1.78	.25
184	4.5	3.75	5.5	.41	.875	2.75	2.25	2	.771	1.41	.188
184T	4.5	3.75	5.5	.41	1.125	2.75	2.75	2.5	.986	1.78	.25
203	5	4	5.5	.41	.75	3.12	2.25	2	.643	1.53	.188
204	5	4	6.5	.41	.75	3.12	2.25	2	.643	1.53	.188
213	5.25	4.25	5.5	.41	1.125	3.5	3	2.75	.986	2.03	.25
213T	5.25	4.25	5.5	.41	1.375	3.5	3.38	3.12	1.201	2.41	.312
215	5.25	4.25	7	.41	1.125	3.5	3	2.75	.986	2.03	.25
215T	5.25	4.25	7	.41	1.375	3.5	3.38	3.12	1.201	2.41	.312
224	5.5	4.5	6.75	.41	1	3.5	3	2.75	.857	2.03	.25
225	5.5	4.5	7.5	.41	1	3.5	3	2.75	.857	2.03	.25
254	6.25	5	8.25	.53	1.125	4.25	3.37	3.12	.986	2.03	.25
254U	6.25	5	8.25	.53	1.375	4.25	3.75	3.5	1.201	2.78	.312
254T	6.25	5	8.25	.53	1.625	4.25	4	3.75	1.416	2.91	.375
256U	6.25	5	10	.53	1.375	4.25	3.75	3.5	1.201	2.78	.312
256T	6.25	5	10	.53	1.625	4.25	4	3.75	1.416	2.91	.375

284	7	5.5	9.5	.53	1.25	4.75	3.75	3.5	.986	2.03	.25
284U	7	5.5	9.5	.53	1.625	4.75	4.88	4.62	1.416	3.78	.375
284T	7	5.5	9.5	.53	1.875	4.75	4.62	4.38	1.591	3.28	.5
284TS	7	5.5	9.5	.53	1.625	4.75	3.25	3	1.416	1.91	.375
286U	7	5.5	11	.53	1.625	4.75	4.88	4.62	1.416	3.78	.375
286T	7	5.5	11	.53	1.875	4.75	4.62	4.38	1.591	3.28	.5
286TS	7	5.5	11	.53	1.625	4.75	3.25	3	1.416	1.91	.375
324	8	6.25	10.5	.66	1.625	5.25	4.87	4.62	1.416	3.78	.375
324U	8	6.25	10.5	.66	1.875	5.25	5.62	5.38	1.591	4.28	.5
324S	8	6.25	10.5	.66	1.625	5.25	3.25	3	1.416	1.91	.375
324T	8	6.25	10.5	.66	2.125	5.25	5.25	5	1.845	3.91	.5
324TS	8	6.25	10.5	.66	1.875	5.25	3.75	3.5	1.591	2.03	.5
326	8	6.25	12	.66	1.625	5.25	4.87	4.62	1.416	3.78	.375
326U	8	6.25	12	.66	1.875	5.25	5.62	5.38	1.591	4.28	.5
326S	8	6.25	12	.66	1.625	5.25	3.25	3	1.416	1.91	.375
326T	8	6.25	12	.66	2.125	5.25	5.25	5	1.845	3.91	.5
326TS	8	6.25	12	.66	1.875	5.25	3.75	3.5	1.591	2.03	.5
364	9	7	11.25	.66	1.875	5.88	5.62	5.38	1.591	4.28	.5
364S	9	7	11.25	.66	1.625	5.88	3.25	3	1.416	1.91	.375
364U	9	7	11.25	.66	2.125	5.88	6.37	6.12	1.845	5.03	.5
364US	9	7	11.25	.66	1.875	5.88	3.75	3.5	1.591	2.03	.5
364T	9	7	11.25	.66	2.375	5.88	5.88	5.62	2.01	4.28	.625
364TS	9	7	11.25	.66	1.875	5.88	3.75	3.5	1.591	2.03	.5
365	9	7	12.25	.66	1.875	5.88	5.62	5.38	1.591	4.28	.5
365S	9	7	12.25	.66	1.625	5.88	3.25	3	1.416	1.91	.375
365U	9	7	12.25	.66	2.125	5.88	6.37	6.12	1.845	5.03	.5
365US	9	7	12.25	.66	1.875	5.88	3.75	3.5	1.591	2.03	.5
365T	9	7	12.25	.66	2.375	5.88	5.88	5.62	2.021	4.28	.625
365TS	9	7	12.25	.66	1.875	5.88	3.75	3.5	1.591	2.03	.5
404	10	8	12.25	.81	2.125	6.62	6.37	6.12	1.845	5.03	.5
404S	10	8	12.25	.81	1.875	6.62	3.75	3.5	1.591	2.03	.5
404U	10	8	12.25	.81	2.375	6.62	7.12	6.88	2.021	5.53	.625
404US	10	8	12.25	.81	2.125	6.62	4.25	4	1.845	2.78	.5
404T	10	8	12.25	.81	2.875	6.62	7.25	7	2.45	5.65	.75
404TS	10	8	12.25	.81	2.125	6.62	4.25	4	1.845	2.78	.5
405	10	8	13.75	.81	2.125	6.62	6.37	6.12	1.845	5.03	.5
405S	10	8	13.75	.81	1.875	6.62	3.75	3.5	1.591	2.03	.5
405U	10	8	13.75	.81	2.375	6.62	7.12	6.88	2.021	5.53	.625
405US	10	8	13.75	.81	2.125	6.62	4.25	4	1.845	2.78	.5
405T	10	8	13.75	.81	2.875	6.62	7.25	7	2.45	5.65	.75

405TS	10	8	13.75	.81	2.125	6.62	4.25	4	1.845	2.78	.5
444	11	9	14.5	.81	2.375	7.5	7.12	6.88	2.021	5.53	.625
444S	11	9	14.5	.81	2.125	7.5	4.25	4	1.845	2.78	.5
444U	11	9	14.5	.81	2.875	7.5	8.62	8.38	2.45	7.03	.75
444US	11	9	14.5	.81	2.125	7.5	4.25	4	1.845	2.78	.5
444T	11	9	14.5	.81	3.375	7.5	8.5	8.25	2.88	6.91	.875
444TS	11	9	14.5	.81	2.375	7.5	4.75	4.5	2.021	3.03	.625
445	11	9	16.5	.81	2.375	7.5	7.12	6.88	2.021	5.53	.625
445S	11	9	16.5	.81	2.125	7.5	4.25	4	1.845	2.78	.5
445U	11	9	16.5	.81	2.875	7.5	8.62	8.38	2.45	7.03	.75
445US	11	9	16.5	.81	2.125	7.5	4.25	4	1.845	2.78	.5
445T	11	9	16.5	.81	3.375	7.5	8.5	8.25	2.88	6.91	.875
445TS	11	9	16.5	.81	2.375	7.5	4.75	4.5	2.021	3.03	.625
447TS	11	9	20	MF	MF	MF	MF	MF	MF	MF	MF
449TS	11	9	25	MF	MF	MF	MF	MF	MF	MF	MF
504U	12.5	10	16	.94	2.875	8.5	8.62	8.38	2.45	7.28	.75
505	12.5	10	18	.94	2.875	8.5	8.62	8.38	2.45	7.28	.75
505S	12.5	10	18	.94	2.125	8.5	4.25	4	1.845	2.78	.5

THREE-PHASE FRAME SIZES
TEFC Motors - General Purpose

1200 RPM & 900 RPM

NEMA FRAME PROGRAM (HP)	1200 RPM			900 RPM		
	"T" Frames 1964 Rerate	"U" Frames 1952 Rerate	Original NEMA Frames	"T" Frames 1964 Rerate	"U" Frames 1952 Rerate	Original NEMA Frames
1	145T	184	204	182T	213	225
1 1/2	182T	184	224	184T	213	254
2	184T	213	225	213T	215	254
3	213T	215	254	215T	254U	284
5	215T	254U	284	254T	256U	324
7 1/2	254T	256U	324	256T	284U	326
10	256T	284U	326	284T	286U	364
15	284T	324U	364	286T	326U	365
20	286T	326U	365	324T	364U	404
25	324T	364U	404	326T	365U	405
30	326T	365U	405	364T	404U	444
40	364T	404U	444	365T	405U	445

50	365T	405U	445	404T	444U	504U
60	404T	444U	504U	405T	445U	505
75	405T	445U	505	444T	-	-
100	444T	-	-	445T	-	-
125	445T	-	-	-	-	-
150	-	-	-	-	-	-

3600 RPM & 1800 RPM

NEMA FRAME PROGRAM (HP)	3600 RPM			1800 RPM		
	"T" Frames 1964 Rerate	"U" Frames 1952 Rerate	Original NEMA Frames	"T" Frames 1964 Rerate	"U" Frames 1952 Rerate	Original NEMA Frames
1	-	-	-	143T	182	203
1 1/2	143T	182	203	145T	184	204
2	145T	184	204	145T	184	224
3	182T	184	224	182T	213	225
5	184T	213	225	184T	215	254
7 1/2	213T	215	254	213T	254U	284
10	215T	254U	284	215T	256U	324
15	254T	256U	324	254T	284U	326
20	256T	286U	326	256T	286U	364
25	284TS	324U	365S	284T	324U	365
30	286TS	326S	404S	286T	326U	404
40	324TS	364US	405S	324T	364U	404
50	326TS	365US	444S	326T	365US	444S
60	364TS	405US	445S	364TS	405US	445S
75	365TS	444US	504S	365TS	444US	504S
100	405TS	445US	505S	405TS	445US	505S
125	444TS	-	-	444TS	-	-
150	445TS	-	-	445TS	-	-