

FRAME SIZE REFERENCE TABLES

Tables 1 and 2 show the standard frame size assignments for the three different eras of motors. You will find that for each horsepower rating and speed, there are three different frame sizes. The first is the original frame size, the middle one is the “U frame” size, and the third one is the “T frame”. These are handy reference tables since they give general information for all three vintages of three phase motors in integral horsepower frame sizes. One important item to remember is that the base mounting hole spacing (“E” and “F” dimensions) and shaft height (“D” dimension) for all frames having the same three digits regardless of vintage, will be the same.

TABLE 1 — OPEN DRIP-PROOF (ODP)												
THREE PHASE FRAME SIZES — GENERAL PURPOSE												
RPM NEMA Program HP	3600			1800			1200			900		
	Orig.	1952 Rerate	1964 Rerate	Orig.	1952 Rerate	1964 Rerate	Orig.	1952 Rerate	1964 Rerate	Orig.	1952 Rerate	1964 Rerate
1	—	—	—	203	182	143T	204	184	145T	225	213	182T
1.5	203	182	143T	204	184	145T	224	184	182T	254	213	184T
2	204	184	145T	224	184	145T	225	213	184T	254	215	213T
3	224	184	145T	225	213	182T	254	215	213T	284	254U	215T
5	225	213	182T	254	215	184T	284	254U	215T	324	256U	254T
7.5	254	215	184T	284	254U	213T	324	256U	254T	326	284U	256T
10	284	254U	213T	324	256U	215T	326	284U	256T	364	286U	284T
15	324	256U	215T	326	284U	254T	364	324U	284T	365	326U	286T
20	326	284U	254T	364	286U	256T	365	326U	286T	404	364U	324T
25	364S	286U	256T	364	324U	284T	404	364U	324T	405	365U	326T
30	364S	324US	284TS	365	326U	286T	405	365U	326T	444	404U	364T
40	365S	326US	286TS	404	364U	324T	444	404U	364T	445	405U	365T
50	404S	364US	324TS	405S	365US	326T	445	405U	365T	504	444U	404T
60	405S	365US	326TS	444S	404US	364T	504	444U	404T	505	445U	405T
75	444S	404US	364TS	445S	405US	365T	505	445U	405T	—	—	444T
100	445S	405US	365TS	504S	444US	404T	—	—	444T	—	—	445T
125	504S	444US	404TS	505S	445US	405T	—	—	445T	—	—	—
150	505S	445US	405TS	—	—	444T	—	—	—	—	—	—
200	—	—	444TS	—	—	445T	—	—	—	—	—	—
250	—	—	445TS	—	—	—	—	—	—	—	—	—

TABLE 2 — TOTALLY ENCLOSED FAN COOLED (TEFC)												
THREE PHASE FRAME SIZES — GENERAL PURPOSE												
RPM NEMA Program HP	3600			1800			1200			900		
	Orig.	1952 Rerate	1964 Rerate	Orig.	1952 Rerate	1964 Rerate	Orig.	1952 Rerate	1964 Rerate	Orig.	1952 Rerate	1964 Rerate
1	—	—	—	203	182	143T	204	184	145T	225	213	182T
1.5	203	182	143T	204	184	145T	224	184	182T	254	213	184T
2	204	184	145T	224	184	145T	225	213	184T	254	215	213T
3	224	184	182T	225	213	182T	254	215	213T	284	254U	215T
5	225	213	184T	254	215	184T	284	254U	215T	324	256U	254T
7.5	254	215	213T	284	254U	213T	324	256U	254T	326	284U	256T
10	284	254U	215T	324	256U	215T	326	284U	256T	364	286U	284T
15	324	256U	254T	326	284U	254T	364	324U	284T	365	326U	286T
20	326	286U	256T	364	286U	256T	365	326U	286T	404	364U	324T
25	365S	324U	284TS	365	324U	284T	404	364U	324T	405	365U	326T
30	404S	326US	286TS	404	326U	286T	405	365U	326T	444	404U	364T
40	405S	364US	324TS	405	364U	324T	444	404U	364T	445	405U	365T
50	444S	365US	326TS	444S	365US	326T	445	405U	365T	504	444U	404T
60	445S	405US	364TS	445S	405US	364T	504	444U	404T	505	445U	405T
75	504S	444US	365TS	504S	444US	365T	505	445U	405T	—	—	444T
100	505S	445US	405TS	505S	445US	405T	—	—	444T	—	—	445T
125	—	—	444TS	—	—	444T	—	—	445T	—	—	—
150	—	—	445TS	—	—	445T	—	—	—	—	—	—