



## NEMA FRAME ASSIGNMENTS - AC - **GUIDE**

TECHNICAL INFORMATION EDUCATION SERIES



## NEMA FRAME ASSIGNMENTS THREE-PHASE OPEN MOTORS—GENERAL PURPOSE

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NEMA PROGRAM HP	3600 RPM		1800 RPM		1200 RPM		900 RPM	
	ORIG.	1964 RERATE	ORIG.	1964 RERATE	ORIG.	1964 RERATE	ORIG.	1964 RERATE
1	—	—	203	182	204	143T	225	213
1.5	203	182	204	184	224	145T	254	213
2	204	184	224	184	225	145T	254	215
3	224	184	225	213	254	182T	284	254U
5	225	213	254	215	284	184T	324	256U
7.5	254	215	284	254U	324	213T	326	284U
10	284	254U	324	256U	326	215T	364	286U
15	324	256U	326	284U	364	254T	365	326U
20	326	284U	364	286U	365	256T	404	364U
25	364S	286U	364	324U	404	284T	405	365U
30	364S	324S	365	326U	405	286T	444	404U
40	365S	326S	404	364U	444	324T	445	405U
50	404S	364US	405S	365US	445	326T	504U	444U
60	405S	365US	444S	404US	504U	364TS <sup>†</sup>	505	445U
75	444S	404US	445S	405US	505	365TS <sup>†</sup>	—	—
100	445S	405US	504S	444US	—	404TS <sup>†</sup>	—	—
125	504S	444US	505S	445US	—	405TS <sup>†</sup>	—	—
150	505S	445US	—	—	—	444TS <sup>†</sup>	—	—
200	—	—	—	—	—	445TS <sup>†</sup>	—	—
250	—	—	—	—	—	445TS	—	—

<sup>†</sup> When motors are to be used with V-belts or chain drive, the correct frame size is the one shown but with the suffix letter S omitted. For the corresponding shaft extension dimensions, see Pages 28-31.

## NEMA FRAME ASSIGNMENTS THREE-PHASE TEFC MOTORS—GENERAL PURPOSE

NEMA PROGRAM HP	3600 RPM		1800 RPM		1200 RPM		900 RPM	
	ORIG.	1964 RERATE	ORIG.	1964 RERATE	ORIG.	1964 RERATE	ORIG.	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	326S 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	504U	444U 404T
60	445S	405US 364TS	445S	405US 364TS†	504U	444U 404T	505	445U 405T
75	504S	444US 365TS	504S	444US 365TS†	505	445U 405T	—	— 444T
100	505S	445US 405TS	505S	445US 405TS†	—	— 444T	—	— 445T
125	—	— 444TS	—	— 444TS†	—	— 445T	—	— —
150	—	— 445TS	—	— 445TS†	—	— —	—	— —

†When motors are to be used with V-belt or chain drives, the correct frame size is the frame size shown but with the suffix letter S omitted. For the corresponding shaft extension dimensions, see Pages 28-31.



Source The Electrical Engineering Pocket Handbook  
Electrical Apparatus Service Association



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