T44

Three-phase ac motors

Three-phase	AC motor full load current, A											
Motor rating,	Induction type, squirrel-cage and wound roto							Synchronous type, unity power f				
hp	115V	200V	208V	230V	460V	575V	2300V	200V	230V	460V	575V	2300V
1/2	4.4	2.5	2.4	2.2	1	0.9						
3/4	6.4	3.7	3.5	3.2	1.4	1.3						
1	8.4	4.8	4.6	4.2	1.8	1.7						
1-1/2	12	6.9	6.6	6	2.6	2.4						
2	13.6	7.8	7.5	6.8	3.4	2.7						
3	19.2	11	10.6	9.6	4.8	3.9						
5	30.4	17.5	16.7	15.2	7.6	6.1						
7-1/2	44	25.3	24.2	22	11	9						
10	56	32.2	30.8	28	14	11						
15	84	48.3	46.2	42	21	17						
20	108	62.1	59.4	54	27	22						
25	136	78.2	74.8	68	34	27		62	54	27	22	
30	160	92	88	80	40	32		75	65	33	26	
40	208	120	114	104	52	41		99	86	43	35	
50	260	150	143	130	65	52		124	108	54	44	
60		177	169	154	77	62	16	147	128	64	51	12
75		221	211	192	96	77	20	185	161	81	65	15
100		285	273	248	124	99	26	243	211	106	85	20
125		359	343	312	156	125	31	304	264	132	106	25
150		414	396	360	180	144	37			158	127	30
200		552	528	480	240	192	49			210	168	40
250				604	302	242						
300				722	361	289						
350				828	414	336						
400				954	477	382						
450				1030	515	412						
500				1180	590	472						

1. These values of motor full load current are to be used as guides only. Where exact values are required (e.g., for motor protection), always use the values on the motor nameplate.

2. These values of motor full load current are for motors running at speeds typical for belted motors and motors with normal torque characteristics. Motors built for especially low speeds or high torques may require more running current, and multi-speed motors have full load current varying with speed, in which case the nameplate current ratings shall be used.

3. For 90 and 80% power factor, multiply the values in this table by 1.1 and 1.25, respectively.

4. The voltages listed are rated motor voltages. Corresponding nominal system voltages are 120, 208, 240, 480, and 600V refer to CSA C235.