

TYPICAL MOTOR FULL LOAD AMPS

SINGLE AND THREE PHASE MOTORS

USE THIS TABLE ONLY AS A GUIDE

Actual motor current may be higher or lower than typical values shown below. IN ALL CASES, the current shown on the motor nameplate is the correct value for that particular motor and takes precedence over any value shown in this table. For reliable motor protection use the actual motor current (FLA - Full Load Amps) listed on the motor nameplate.

The values shown below are typical for motors running at standard speeds with normal torque characteristics. Motors built for high efficiency, low speeds, high torques, multi-speeds or other special applications may have different Full Load Amps than what is shown in the table. In these cases, the motor nameplate FLA rating must be used.

60 Hz AC INDUCTION MOTOR

HORSEPOWER	SINGLE PHASE				THREE PHASE				
	120 V	200 V	208 V	230 V	200 V	208 V	230 V	460 V	575 V
1/6	4.4	2.5	2.4	2.2	-	-	-	-	-
1/4	5.8	3.3	3.2	2.9	-	-	-	-	-
1/3	7.2	4.1	4.0	3.6	-	-	-	-	-
1/2	9.8	5.6	5.4	4.9	2.5	2.4	2.2	1.1	0.9
3/4	13.8	7.9	7.6	6.9	3.7	3.5	3.2	1.6	1.3
1	16	9.2	8.8	8.0	4.8	4.6	4.2	2.1	1.7
1 1/2	20	11.5	11.0	10	6.9	6.6	6.0	3.0	2.4
2	24	13.8	13.2	12	7.8	7.5	6.8	3.4	2.7
3	34	19.6	18.7	17	11	10.6	9.6	4.8	3.9
5	56	32.2	30.8	28	17.5	16.7	15.2	7.6	6.1
7 1/2	80	46.0	44.0	40	25	24.2	22	11	9
10	100	57.5	55.0	50	32	30.8	28	14	11
15	-	-	-	-	48	46	42	21	17
20	-	-	-	-	62	59	54	27	22
25	-	-	-	-	78	75	68	34	27
30	-	-	-	-	92	88	80	40	32
40	-	-	-	-	120	114	104	52	41
50	-	-	-	-	150	143	130	65	52
60	-	-	-	-	177	169	154	77	62
75	-	-	-	-	221	211	192	96	77
100	-	-	-	-	285	273	248	124	99
125	-	-	-	-	359	343	312	156	125
150	-	-	-	-	414	396	360	180	144

The information in this table was derived from Table 430-148 & 430-150 of the NEC and Table 45.2 of the UL Industrial Control Standard 508. The voltages listed are standard rated motor voltages. The currents listed shall be permitted for system voltage ranges of 110-120, 220-240, 440-480, and 550-600 volts.



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