

APPROXIMATE FULL LOAD CURRENTS IN AMPERES FOR ALTERNATING-CURRENT MOTORS

These tables are based on motor current tables of several leading motor manufacturers and NEC 1999 tables 430-148 and 430-150. Full load motor currents for different types and makes of motors may vary 10% above or below the current values given in these tables. Variations for fractional horsepower motors may be as high as 50%.

SINGLE - PHASE ALTERNATING - CURRENT MOTORS *

The voltages listed are rated voltages. The currents listed shall be permitted for system voltage ranges of 110 to 120 or 220 to 240 volts.

HP	FULL LOAD CURRENT		HP	FULL LOAD CURRENT		HP	FULL LOAD CURRENT	
	115V	230V		115V	230V		115V	230V
1/6	4.4	2.2	3/4	13.8	6.9	3	N/A	17.0
1/4	5.8	2.9	1	16.0	8.0	N/A	N/A	N/A
1/3	7.2	3.6	1-1/2	N/A	10.0	N/A	N/A	N/A
1/2	9.8	4.9	2	N/A	12.0	N/A	N/A	N/A

THREE - PHASE ALTERNATING - CURRENT MOTORS

HP	FULL LOAD CURRENT *				HP	FULL LOAD CURRENT *			
	208V	230V	460V	575V		208V	230V	460V	575V
1/4	1.3	1.2	0.6	0.5	3	11	9	4.5	3.6
1/3	1.6	1.5	0.8	0.6	5	17.5	14.1	7.1	5.7
1/2	2.5	2.2	1.1	0.9	7-1/2	25.3	20.3	10.2	8.2
3/4	3.7	3.2	1.6	1.2	10	32	26.6	13.3	10.6
1	4.2	3.6	1.8	1.5	15	44.1	39.9	20	16
1-1/2	6	4.9	2.5	2	20	57.2	51.7	25.9	20.6
2	7.8	6.4	3.2	2.6	25	71.5	64.7	32.3	25.8

NOTES: * These values of full-load current are for motors running at speeds with normal torque characteristics. Motors built for especially low speeds or high torques may require more running current, and multispeed motors have full load current varying with speed. In which case the nameplate current rating shall be used.

**ADD 6 AMPS FOR BURNER/BOILER CONTROLS AFTER FIGURING ABOVE CURRENT ON
FORCED DRAFT BOILERS, THIS IS AN AVERAGE ADD.**