Full-Load Current Three-Phase Alternating-Current Motors
Based on Table 430-150 (From 1999 NEC)

The following values of full-load currents are typical for motors running at speeds usual for belted motors and motors with normal torque characteristics.

Motors built for low speeds (1200 rpm or less) or high torques may require more running current, and multi-speed motors will have full-load current varying with speed. In these cases, the nameplate current rating shall be used.

The voltages listed are rated motor voltages. The currents listed shall be permitted for system voltage ranges of 110 to 120, 220 to 240, 440 to 480, and 550 to 600 volts.

	Induction Type Squirrel Cage and Wound Rotor (Amperes) (Amperes)							Synchronous-Type Unity Power	
HP	115 Volts	200 Volts	208 Volts	230 Volts	460 Volts	575 Volts	2300 Volts	230 Volts	460 Volts
½	4.4	2.5	2.4	2.2	1.1	0.9	-	-	-
¾	6.4	3.7	3.5	3.2	1.6	1.3	-	-	-
1	8.4	4.8	4.6	4.2	2.1	1.7	-	-	-
1½	12	6.9	6.6	6	3	2.4	-	-	-
2	13.6	7.8	7.5	6.8	3.4	2.7	-	-	-
3	-	11	10.6	9.6	4.8	3.9	-	-	-
5	-	17.5	16.7	15.2	7.6	6.1	-	-	-
7½	-	25.3	24.2	22	11	9	-	-	-
10	-	32.2	30.8	28	14	11	-	-	-
15	-	48.3	46.2	42	21	17	-	-	-
20	-	62.1	59.4	54	27	22	-	-	-
25	-	78.2	74.8	68	34	27	-	53	26
30	-	92	88	80	40	32	-	63	32
40	-	120	114	104	52	41	-	83	41
50	-	150	143	130	65	52	-	104	52
60	-	177	169	154	77	62	16	123	61
75	-	221	211	192	96	77	20	155	78
100	-	285	273	248	124	99	26	202	101
125	-	359	343	312	156	125	31	253	126
150	-	414	396	360	180	144	37	302	151
200	-	552	528	480	240	192	49	400	201
250	-	-	-	-	302	242	60	-	-
300	-	-	-	-	361	289	72	-	-
350	-	-	-	-	414	336	83	-	-
400	-	-	-	-	477	382	95	-	-
450	-	-	-	-	515	412	103	-	-
500	-	-	-	-	590	472	118	-	-