

Full-Load Currents

Three-Phase Squirrel Cage and Wound-Rotor Motors*

*For conductor sizing only

Full-Load Current in Amperes

HP	200V	208V	230V	460V	575V	2300V	4000V
0.5	2.5	2.4	2.2	1.1	0.9	---	---
0.75	3.7	3.5	3.2	1.6	1.3	---	---
1	4.8	4.6	4.2	2.1	1.7	---	---
1.5	6.9	6.6	6	3	2.4	---	---
2	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	---	---
7.5	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	---	---
30	92	88	80	40	32	---	---
40	120	114	104	52	41	---	---
50	150	143	130	65	52	---	---
60	177	169	154	77	62	16	9
75	221	211	192	96	77	20	11
100	285	273	248	124	99	26	14
125	359	343	312	156	125	31	18
150	414	396	360	180	144	37	21
200	552	528	480	240	192	49	28
250	---	---	---	302	242	60	35
300	---	---	---	361	289	72	41
350	---	---	---	414	336	83	48
400	---	---	---	477	382	95	55
450	---	---	---	515	412	103	59
500	---	---	---	590	472	118	68
OVER 200 HP							
Approx Amps/hp	2.75	2.64	2.4	1.2	0.96	0.24	0.14

Branch-circuit conductors supplying a single motor shall have an ampacity not less than 125% of the motor full-load current rating. Based on Table 430.250 of the *National Electrical Code*®, 2005