

**FULL-LOAD CURRENT OF THREE-PHASE AC INDUCTION TYPE SQUIRREL CAGE
AND WOUND-ROTOR MOTORS***

*FOR CONDUCTOR SIZING ONLY

FULL-LOAD CURRENT IN AMPERES

hp	Rated voltage						
	115V	200V	230V	460V	575V	2300V	4000V
.5	4.4	2.5	2.2	1.1	0.9		
.75	6.4	3.7	3.2	1.6	1.3		
1	8.4	4.8	4.2	2.1	1.7		
1.5	12.0	6.9	6.0	3.0	2.4		
2	13.6	7.8	6.8	3.4	2.7		
3		11.0	9.6	4.8	3.9		
5		17.5	15.2	7.6	6.1		
7.5		25.3	22	11	9		
10		32.2	28	14	11		
15		48.3	42	21	17		
20		62.1	54	27	22		
25		78.2	68	34	27		
30		92	80	40	32		
40		120	104	52	41		
50		150	130	65	52		
60		177	154	77	62	16	9
75		221	192	96	77	20	11
100		285	248	124	99	26	14
125		359	312	156	125	31	18
150		414	360	180	144	37	21
200		552	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	.96	.24	.14

Branch-circuit conductors supplying a single motor shall have an ampacity not less than 125 percent of the motor full-load current rating. Based on Table 430.150 of the *National Electrical Code*® 2011.