

FULL-LOAD CURRENTS

THREE-PHASE A-C INDUCTION TYPE—
SQUIRREL CAGE AND WOUND ROTOR MOTORS*

*For conductor sizing only.

HP	115V	200V	230V	460V	575V	2300V	4000V
1/2	4	2.3	2	1	.8		
3/4	5.6	3.2	2.8	1.4	1.1		
1	7.2	4.15	3.6	1.8	1.4		
1 1/2	10.4	6	5.2	2.6	2.1		
2	13.6	7.8	6.8	3.4	2.7		
3		11	9.6	4.8	3.9		
5		17.5	15.2	7.6	6.1		
7 1/2		25	22	11	9		
10		32	28	14	11		
15		48	42	21	17		
20		62	54	27	22		
25		78	68	34	27		
30		92	80	40	32		
40		120	104	52	41		
50		150	130	65	52		
60		177	154	77	62	15.4	8.8
75		221	192	96	77	19.2	11
100		285	248	124	99	24.8	14.3
125		358	312	156	125	31.2	18
150		415	360	180	144	36	20.7
200		550	480	240	192	48	27.6

Over 200HP

Approx. Amps/HP 2.75 2.4 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, 1993