

Table 18
Full-Load Motor-Running Currents in Amperes Corresponding to AC Horsepower Ratings

(See Clauses 4.6.1.5, 4.14.1.4, 5.1, 5.7, 6.2.6, and 6.5.18, and Tables 15 and 20.)

Horsepower	110-120 V			220-240 V*			440-480 V			550-600 V		
	Single-phase	2-phase	3-phase	Single-phase	2-phase	3-phase	Single-phase	2-phase	3-phase	Single-phase	2-phase	3-phase
1/10	3.0	—	—	1.5	—	—	—	—	—	—	—	—
1/8	3.8	—	—	1.9	—	—	—	—	—	—	—	—
1/6	4.4	—	—	2.2	—	—	—	—	—	—	—	—
1/4	5.8	—	—	2.9	—	—	—	—	—	—	—	—
1/3	7.2	—	—	3.6	—	—	—	—	—	—	—	—
1/2	9.8	4.0	4.0	4.9	2.0	2.0	2.5	1.0	1.0	2.0	0.8	0.8
3/4	13.8	4.8	5.6	6.9	2.4	2.8	3.5	1.2	1.4	2.8	1.0	1.1
1	16.0	6.4	7.2	8.0	3.2	3.6	4.0	1.6	1.8	3.2	1.3	1.4
1-1/2	20.0	9.0	10.4	10.0	4.5	5.2	5.0	2.3	2.6	4.0	1.8	2.1
2	24.0	11.8	13.6	12.0	5.9	6.8	6.0	3.0	3.4	4.8	2.4	2.7
3	34.0	16.6	19.2	17.0	8.3	9.6	8.5	4.2	4.8	6.8	3.3	3.9
5	56.0	26.4	30.4	28.0	13.2	15.2	14.0	6.6	7.6	11.2	5.3	6.1
7-1/2	80.0	38.0	44.0	40.0	19.0	22.0	21.0	9.0	11.0	16.0	8.0	9.0
10	100.0	48.0	56.0	50.0	24.0	28.0	26.0	12.0	14.0	20.0	10.0	11.0
15	135.0	72.0	84.0	68.0	36.0	42.0	34.0	18.0	21.0	27.0	14.0	17.0
20	—	94.0	108.0	88.0	47.0	54.0	44.0	23.0	27.0	35.0	19.0	22.0
25	—	118.0	136.0	110.0	59.0	68.0	55.0	29.0	34.0	44.0	24.0	27.0
30	—	138.0	160.0	136.0	69.0	80.0	68.0	35.0	40.0	54.0	28.0	32.0
40	—	180.0	208.0	176.0	90.0	104.0	88.0	45.0	52.0	70.0	36.0	41.0
50	—	226.0	260.0	216.0	113.0	130.0	108.0	56.0	65.0	86.0	45.0	52.0
60	—	—	—	—	133.0	154.0	—	67.0	77.0	—	53.0	62.0
75	—	—	—	—	166.0	192.0	—	83.0	96.0	—	66.0	77.0
100	—	—	—	—	218.0	248.0	—	109.0	124.0	—	87.0	99.0
125	—	—	—	—	—	312.0	—	135.0	156.0	—	108.0	125.0
150	—	—	—	—	—	360.0	—	156.0	180.0	—	125.0	144.0
200	—	—	—	—	—	480.0	—	208.0	240.0	—	167.0	192.0
250	—	—	—	—	—	602.0	—	—	302.0	—	—	242.0
300	—	—	—	—	—	—	—	—	361.0	—	—	289.0
350	—	—	—	—	—	—	—	—	414.0	—	—	336.0
400	—	—	—	—	—	—	—	—	477.0	—	—	382.0
500	—	—	—	—	—	—	—	—	590.0	—	—	472.0

*To obtain full-load currents for 200 and 208 V motors, increase corresponding 220-240 V ratings by 15 and 10%, respectively.