

AC Motor Full Load Amperes

The tables below are intended to be a general guide for AC motor Full Load Amperes. Always use the F.L.A. written on the motor nameplate first if it is available.

3-Phase AC Motor F.L.A.

HP	200 Volts	208 Volts	220-240 Volts	380-415 Volts	440-480 Volts	550-600 Volts
1/2	2.5	2.4	2.2	1.3	1.1	0.9
3/4	3.7	3.5	3.2	1.8	1.6	1.3
1	4.8	4.6	4.2	2.3	2.1	1.7
1.5	6.9	6.6	6	3.3	3.0	2.4
2	7.8	7.5	6.8	4.3	3.4	2.7
3	11	10.6	9.6	6.1	4.8	3.9
5	17.5	16.7	15.2	9.7	7.6	6.1
7.5	25.3	24.2	22	14	11	9
10	32.2	30.8	28	18	14	11
15	48.3	46.2	42	27	21	17
20	62.1	59.4	54	34	27	22
25	78.2	74.8	68	44	34	27
30	92	88	80	51	40	32
40	120	114	104	66	52	41
50	150	143	130	83	65	52
60	177	169	154	103	77	62
75	221	211	192	128	96	77
100	285	273	248	165	124	99
125	359	343	312	208	156	125
150	414	396	360	240	180	144
200	552	528	480	320	240	192
250	-	-	604	403	302	242
300	-	-	722	482	361	289
350	-	-	828	560	414	336
400	-	-	954	636	477	382
450	-	-	1030	-	515	412
500	-	-	1180	786	590	472

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The tables below are intended to be a general guide for AC motor Full Load Amperes. Always use the F.L.A. written on the motor nameplate first if it is available.

1-Phase AC Motor F.L.A.

HP	110-120 Volts	220-240 Volts
1/10	3	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	4.9
3/4	13.8	6.9
1	16	8
1.5	20	10
2	24	12
3	34	17
5	56	28
7.5	80	40
10	100	50