

Horsepower	AC Induction Motors						
	Single Phase		Three Phase				
	115 Volt @ 60 HZ	230 Volt @ 60 HZ	200 Volt @ 60 HZ	230 Volt @ 60 HZ	380-415 Volt @ 50 HZ	460 Volt @ 60 HZ	575 Volt @ 60 HZ
1/6	4.4	2.2	~	~		~	~
1/4	5.8	2.9	~	~		~	~
1/3	7.2	3.6	~	~		~	~
1/2	9.8	4.9	2.5	2.2	1.3	1.1	0.9
3/4	13.8	6.9	3.7	3.2	1.8	1.6	1.3
1	16.0	8.0	4.8	4.2	2.3	2.1	1.7
1 1/2	20.0	10.0	6.9	6.0	3.3	3.0	2.4
2	24.0	12.0	7.8	6.8	4.3	3.4	2.7
3	34.0	17.0	11.0	9.6	6.1	4.8	3.9
5	56.0	28.0	17.5	15.2	9.7	7.6	6.1
7 1/2	80.0	40.0	25.3	22.0	14.0	11.0	9.0
10	100	50.0	32.2	28.0	18.0	14.0	11.0
15	135	68.0	48.3	42.0	27.0	21.0	17.0
20	~	88.0	62.1	54.0	34.0	27.0	22.0
25	~	110	78.2	68.0	44.0	34.0	27.0
30	~	136	92.0	80.0	51.0	40.0	32.0
40	~	176	120	104	66.0	52.0	41.0
50	~	216	150	130	83.0	65.0	52.0
60	~	~	177	154	103	77.0	62.0
75	~	~	221	192	128	96.0	77.0
100	~	~	285	248	165	124	99.0
125	~	~	359	312	208	156	125
150	~	~	414	360	240	180	144
175	~	~	475	413	275	207	168
200	~	~	552	480	320	240	192
250	~	~	692	604	403	302	242
300	~	~	~	722	482	361	289
350	~	~	~	828	560	414	336
400	~	~	~	954	636	477	382
450	~	~	~	1030	711	515	412
500	~	~	~	1180	786	590	472

The information in this chart was derived from Table 50.1 of UL standard 508A. The voltages listed are rated motor voltages. The currents listed shall be permitted for system voltage ranges of 110-120, 220-240, 380-415, 440-480 and 550-600 volts.

The full-load current values are for motors running at usual speeds and motors with normal torque characteristics. Motors built for especially low speeds or high torques may have higher full-load currents, and

multi-speed motors will have full-load currents varying with speed. In these cases, the nameplate current ratings shall be used.

Caution: The actual motor amps may be higher or lower than the average values listed above. For more reliable motor protection, use the actual motor current as listed on the motor nameplate. Use this table as a guide only.

UL / CSA Maximum HP Rating Selection ①

Sprecher + Schuh Contactor Series	Maximum Horsepower					
	Single Phase		Three Phase			
	115 Volt	230 Volt	200 Volt	230 Volt	460 Volt	575 Volt
CA7-9	1/2	1 1/2	2	2	5	7-1/2
CA7-12	1/2	2	3	3	7-1/2	10
CA7-16	1	3	5	5	10	15
CA7-23	2	3	5	7-1/2	15	15
CA7-30	2	5	7-1/2	10	20	25
CA7-37	3	5	10	10	25	30
CA7-43	3	7-1/2	10	15	30	30
CA7-55	5	10	15	20	40	40
CA7-60	5	10	15	20	40	50
CA7-72	5	15	20	25	50	60
CA7-85	7-1/2	15	25	30	60	60
CA7-97	10	20	30	30	75	75
CA9-116(-EI)	~	~	30	40	75	100
CA9-146(-EI)	~	~	40	50	100	125
CA9-190(-EI)	~	~	50	60	105	150
CA9-205(-EI)	~	~	60	75	150	200
CA9-265(-EI)	~	~	75	100	200	250
CA9-305(-EI)	~	~	100	125	250	300
CA9-370(-EI)	~	~	125	150	300	350
CA9-400-EI	~	~	125	150	300	400
CA9-460-EI	~	~	150	200	400	500
CA9-580-EI	~	~	200	250	500	600
CA9-750-EI	~	~	~	300	600	700
CA9-860-EI	~	~	~	400	800	1000
CA9-1060-EI	~	~	~	450	900	1150

NEMA Size Labeled Selection

NEMA Size	Sprecher + Schuh Contactor Series	Maximum Horsepower					
		Single Phase		Three Phase			
		115V	230V	200V	230V	460V	575V
00	CAN7-12	1/3	1	1-1/2	1-1/2	2	2
0	CAN7-16	1	2	3	3	5	5
1	CAN7-37	2	3	7-1/2	7-1/2	10	10
2	CAN7-43	3	7-1/2	10	15	25	25
3	CAN7-85	7-1/2	15	25	30	50	50

① "EI" designation indicates coil has electronic interface capability with a PLC.