

# Average full load motor currents

## Single phase motors

## 3 phase motors

1 phase				3 phase 4 pole 50/60Hz motors									
kW	hp	220V A	240V A	kW	hp	220-240 V A	380V A	415V A	440V A	500V A	660V A	690V A	1000V A
0.37	0.5	3.9	3.6	0.37	0.5	1.8	1.03	-	0.99	1	0.6	-	0.4
0.55	0.75	5.2	4.8	0.55	0.75	2.75	1.6	-	1.36	1.21	0.9	-	0.6
0.75	1	6.6	6.1	0.75	1	3.5	2	2	1.68	1.5	1.1	-	0.75
1.1	1.5	9.6	8.8	1.1	1.5	4.4	2.6	2.5	2.37	2	1.5	-	1
1.5	2	12.7	11.7	1.5	2	6.1	3.5	3.5	3.06	2.6	2	-	1.3
1.8	2.5	15.7	14.4	2.2	3	8.7	5	5	4.42	3.8	2.8	-	1.9
2.2	3	18.6	17.1	3	4	11.5	6.6	6.5	5.77	5	3.8	3.5	2.5
3	4	24.3	22.2	3.7	5	13.5	7.7	7.5	7.1	5.9	4.4	-	3
4	5	29.6	27.1	4	5.5	14.5	8.5	8.4	7.9	6.5	4.9	4.9	3.3
4.4	6	34.7	31.8	5.5	7.5	20	11.5	11	10.4	9	6.6	6.7	4.5
5.2	7	39.8	36.5	7.5	10	27	15.5	14	13.7	12	8.9	9	6
5.5	7.5	42.2	38.7	9	12	32	18.5	17	16.9	13.9	10.6	10.5	7
6	8	44.5	40.8	10	13.5	35	20	-	-	15	11.5	12	7.5
7	9	49.5	45.4	11	15	39	22	21	20.1	18.4	14	12.1	9
7.5	10	54.4	50	15	20	52	30	28	26.5	23	17.3	16.5	12
18.5	25	64	37	35	32.8	28.5	21.3	20.2	14.5				
22	30	75	44	40	39	25.4	24.2	17					
25	35	85	52	47	45.3	39.4	30.3	20					
30	40	103	60	55	51.5	45	34.6	23					
33	45	113	68	60	58	50	39	25					
37	50	126	72	66	64	55	42	40	28				
40	54	134	79	71	67	60	44	-	30				
45	60	150	85	80	76	65	49	46.8	33				
51	70	170	98	90	83	75	57	-	38				
55	75	182	105	100	90	80	61	58	40				
59	80	195	112	105	97	85	66	-	43				
63	85	203	117	115	109	89	69	-	45				
75	100	240	138	135	125	105	82	75.7	53				
80	110	260	147	138	131	112	86	-	57				
90	125	295	170	165	146	129	98	94	65				
100	136	325	188	182	162	143	107	-	71				
110	150	356	205	200	178	156	118	113	78				
129	175	420	242	230	209	184	135	-	85				
132	180	425	245	240	215	187	140	135	90				
140	190	450	260	250	227	200	145	128	95				
147	200	472	273	260	236	207	152	-	100				
150	205	483	280	270	246	210	159	-	102				
160	220	520	300	280	256	220	170	165	115				
180	245	578	333	320	289	254	190	-	135				
185	250	595	342	325	295	263	200	-	138				
200	270	626	370	340	321	281	215	203	150				
220	300	700	408	385	353	310	235	224	160				
250	340	800	460	425	401	360	274	253	200				
257	350	826	475	450	412	365	280	-	203				
280	380	900	510	475	450	400	305	-	220				
295	400	948	546	500	473	416	320	-	227				
300	410	980	556	510	481	420	325	-	230				
315	430	990	584	535	505	445	337	721	239				
335	450	1100	620	550	518	472	355	-	250				
355	480	1150	636	580	549	500	370	350	262				
375	500	1180	670	610	575	527	395	-	273				
400	545	1250	710	650	611	540	410	390	288				
425	580	-	760	690	650	574	445	-	302				
445	600	-	790	730	680	595	455	-	317				
450	610	-	800	740	690	608	460	-	320				
475	645	-	850	780	730	645	485	-	335				
500	680	-	900	820	780	680	515	494	350				

These values are given as a guide only. They may vary depending on the type of motor and the manufacturer.