Motor Full Load Current Table (3 Phase

Basis: NFPA 70 (NEC) Table 430.250, full load current for three phase induction motors running at usual speeds with normal torque characteristics.

instrumentationblog.in/downloads/engineering-reference-tables/motor-full-load-current-table/

Full load current in amperes

hp	kW	208 V	230 V	460 V	575 V
1/2	0.37	2.4	2.2	1.1	0.9
3/4	0.56	3.5	3.2	1.6	1.3
1	0.75	4.6	4.2	2.1	1.7
1 1/2	1.12	6.6	6	3	2.4
2	1.49	7.5	6.8	3.4	2.7
3	2.24	10.6	9.6	4.8	3.9
5	3.73	16.7	15.2	7.6	6.1
7 1/2	5.59	24.2	22	11	9
10	7.46	30.8	28	14	11
15	11.19	46.2	42	21	17
20	14.91	59.4	54	27	22
25	18.64	74.8	68	34	27
30	22.37	88	80	40	32
40	29.83	114	104	52	41
50	37.29	143	130	65	52
60	44.74	169	154	77	62
75	55.93	211	192	96	77
100	74.57	273	248	124	99
125	93.21	343	312	156	125
150	111.86	396	360	180	144
200	149.14	528	480	240	192

Notes

- For 220 to 240 V use the 230 V column; 440 to 480 V use 460 V; 550 to 600 V use 575 V.
- IEC motors at 400 to 415 V draw roughly 10 to 15 % more current than the 460 V values; always check the nameplate.

Free download from instrumentationblog.in. Check values against the current edition of the standard for design work.