


# Mbsm.pro, AC Motor Full Load Amperes, Fla, F.L.A, Fla / Hp, F.L.A / Hp

written by Mbsm | 6 février 2022



## 3 Phase Motor Current Calculation

**KW to Amps**

**HP to Amps**

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## AC Motor Full Load Amperes

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

<b>HP</b>	<b>200 Volts</b>	<b>208 Volts</b>	<b>220-240 Volts</b>	<b>380-415 Volts</b>	<b>440-480 Volts</b>	<b>550-600 Volts</b>
<b>5</b>	17.5	16.7	15.2	9.7	7.6	6.1
<b>7.5</b>	25.3	24.2	22	14	11	9
<b>10</b>	32.2	30.8	28	18	14	11
<b>15</b>	48.3	46.2	42	27	21	17
<b>20</b>	62.1	59.4	54	34	27	22
<b>25</b>	78.2	74.8	68	44	34	27
<b>30</b>	92	88	80	51	40	32
<b>40</b>	120	114	104	66	52	41
<b>50</b>	150	143	130	83	65	52
<b>60</b>	177	169	154	103	77	62
<b>75</b>	221	211	192	128	96	77
<b>100</b>	285	273	248	165	124	99
<b>125</b>	359	343	312	208	156	125
<b>150</b>	414	396	360	240	180	144
<b>200</b>	552	528	480	320	240	192
<b>250</b>	–	–	604	403	302	242
<b>300</b>	–	–	722	482	361	289
<b>350</b>	–	–	828	560	414	336
<b>400</b>	–	–	954	636	477	382
<b>450</b>	–	–	1030	–	515	412
<b>500</b>	–	–	1180	786	590	472

<b>HP</b>	<b>110-120 Volts</b>	<b>220-240 Volts</b>
<b>1/10</b>	3	1.5
<b>1/8</b>	3.8	1.9
<b>1/6</b>	4.4	2.2
<b>1/4</b>	5.8	2.9
<b>1/3</b>	7.2	3.6

<b>HP</b>	<b>110-120 Volts</b>	<b>220-240 Volts</b>
<b>1/2</b>	9.8	4.9
<b>3/4</b>	13.8	6.9
<b>1</b>	16	8
<b>1.5</b>	20	10
<b>2</b>	24	12
<b>3</b>	34	17
<b>5</b>	56	28
<b>7.5</b>	80	40
<b>10</b>	100	50