



Hammond Power Solutions Inc. US 1-866-705-4684
 CND 1-888-798-8882
 www.hammondpowersolutions.com



FULL LOAD CURRENTS

Rated Line Amps for kVA and Voltages of
Single Phase Transformers



AMPERES

kVA	120V	240V	480V	600V	2400V	4160V
0.25	2.08	1.04	0.52	0.41	-	-
0.50	4.16	2.08	1.04	0.83	-	-
0.75	6.25	3.13	1.56	1.25	-	-
1	8.33	4.17	2.08	1.67	-	-
3	25.0	12.5	6.25	5.00	1.25	0.72
5	41.7	20.8	10.4	8.33	2.08	1.20
7.5	62.5	31.3	15.6	12.5	3.12	1.80
10	83.3	41.7	20.8	16.6	4.17	2.40
15	125	62.5	31.3	25.0	6.25	3.60
25	208	104	52.1	41.7	10.4	6.00
37.5	313	156	78.1	62.5	15.6	9.01
50	416	208	104	83.3	20.8	12.0
75	625	312	156	125	31.2	18.0
100	833	417	208	167	41.7	24.0
150	1250	625	312	250	62.5	36.0
167	1391	695	347	278	69.5	40.1
250	2083	1041	520	416	104	60.0
333	2775	1387	693	555	138	80.0

FOR OTHER KVA RATINGS OR VOLTAGES:

Single Phase

$$\text{Amperes} = \frac{\text{kVA} \times 1000}{\text{Volts}}$$

Three Phase

$$\text{Amperes} = \frac{\text{kVA} \times 1000}{\text{Volts} \times 1.732}$$



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FULL LOAD CURRENTS

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Three Phase Transformers



AMPERES

kVA	208V	240V	480V	600V	2400V	4160V
3	8.32	7.21	3.60	2.88	0.72	0.41
6	16.6	14.4	7.21	5.77	1.44	0.83
9	24.9	21.6	10.8	8.66	2.16	1.24
15	41.6	36.0	18.0	14.4	3.60	2.08
20	55.6	48.2	24.1	19.3	4.82	2.78
30	83.2	72.1	36.0	28.8	7.21	4.16
45	124	108	54.1	43.3	10.8	6.24
75	208	180	90.2	72.1	18.0	10.4
100	278	241	120	96.3	24.1	13.9
112.5	312	270	135	108	27.0	15.6
150	416	360	180	144	36.0	20.8
225	624	541	270	216	54.1	31.2
300	832	721	360	288	72.1	41.6
450	1249	1082	541	433	108	62.4
500	1387	1202	601	481	120	69.4
600	1665	1443	721	577	144	83.2
750	2081	1804	902	721	180	104

TRANSFORMER RATING FOR MOTOR H.P.

Motor HP	.5	1	1.5	2	3	5	7.5	10	15	20	25
1 Phase kVA	2	3	3	3	5	7.5	10	15	25	25	37.5
3 Phase kVA	-	3	3	3	6	6	9	15	15	30	30