

Rated Line Amps for KVA and voltages of
Single Phase Transformers

KVA	Volts					
	208V	240V	480V	600V	2400V	4160V
0.25	2.08	1.04	0.52	0.41	-	-
0.50	4.16	2.08	1.04	.83	-	-
0.75	6.25	3.13	1.56	1.25	-	-
1	8.33	4.17	2.08	1.67	-	-
3	25	12.5	6.25	5	1.25	0.72
5	41.7	20.8	10.4	8.33	2.08	1.2
7.5	62.5	31.3	15.6	12.5	3.12	1.8
10	83.3	41.7	20.8	16.6	4.17	2.4
15	125	62.5	31.3	25	6.25	3.6
25	208	104	52.1	41.7	10.4	6
37.5	313	156	78.1	62.5	15.6	9.01
50	416	208	104	83.3	20.8	12
75	625	312	156	125	31.2	18
100	833	417	208	167	41.7	24
150	1250	625	312	250	62.5	36
167	1391	695	347	278	69.5	40.1
250	2083	1041	520	416	104	60

Rated Line Amps for KVA and voltages of
Three Phase Transformers

KVA	Volts					
	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	18	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	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	10.4
100	278	241	120	96.3	24.1	13.9
112.5	312	270	135	108	27	15.6
150	416	360	180	144	36	20.8
225	624	541	270	216	54.1	31.2
300	832	721	360	288	72.1	41.6
400	1112	963	482	385	96.3	55.7
500	1387	1202	541	433	108	62.4
600	1665	1443	721	577	144	83.2
750	2081	1804	902	721	180	104

$$\text{Single Phase Amperes} = \frac{(KVA \times 1000)}{\text{Volts}}$$

$$\text{Three Phase Amperes} = \frac{(KVA \times 1000)}{(\text{Volts} \times 1.732)}$$

Transformer Rating For Motor Horsepower

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

Information courtesy of Hammond Power Solutions