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### TRANSFORMER FULL LOAD CURRENT RATINGS

To Calculate full load current of a **THREE PHASE** transformer:

$$3\phi \text{ Full Load Amps} = \frac{(kVA \times 1000)}{(V_{l-l} \times \sqrt{3})}$$

GENERAL PURPOSE 3-PHASE TRANSFORMER					
kVA	VOLTAGE				
	208	240	480	575	600
1	2.8	2.4	1.2	1.0	1.0
2	5.6	4.8	2.4	2.0	1.9
3	8.3	7.2	3.6	3.0	2.9
5	13.9	12.0	6.0	5.0	4.8
6	16.7	14.4	7.2	6.0	5.8
7.5	20.8	18.0	9.0	7.5	7.2
9	25.0	21.7	10.8	9.0	8.7
10	27.8	24.1	12.0	10.0	9.6
15	41.6	36.1	18.0	15.1	14.4
30	83.3	72.2	36.1	30.1	28.9
45	124.9	108.3	54.1	45.2	43.3
75	208.2	180.4	90.2	75.3	72.2
112.5	312.3	270.6	135.3	113.0	108.3
150	416.4	360.8	180.4	150.6	144.3
225	624.5	541.3	270.6	225.9	216.5
300	832.7	721.7	360.8	301.2	288.7
500	1387.9	1202.8	601.4	502.0	481.1
750	2081.8	1804.2	902.1	753.1	721.7
1000	2775.7	2405.6	1202.8	1004.1	962.3
1500	4163.6	3608.4	1804.2	1506.1	1443.4
2000	-	-	2405.6	2008.2	1924.5
2500	-	-	3007.0	2510.2	2405.6
3000	-	-	3608.4	3012.3	2886.8
3750	-	-	4510.5	3765.3	3608.4

To Calculate full load current of a **SINGLE PHASE** transformer:

$$1\phi \text{ Full Load Amps} = \left( \frac{kVA \times 1000}{V_{l-l}} \right)$$

GENERAL PURPOSE 1-PHASE TRANSFORMER					
kVA	VOLTAGE				
	120	240	277	480	600
10	83.3	41.7	36.1	20.8	16.7
15	125.0	62.5	54.2	31.3	25.0
25	208.3	104.2	90.3	52.1	41.7
37.5	312.5	156.3	135.4	78.1	62.5
50	416.7	208.3	180.5	104.2	83.3
75	625.0	312.5	270.8	156.3	125.0
100	833.3	416.7	361.0	208.3	166.7
167	1391.7	695.8	602.9	347.9	278.3
250	2083.3	1041.7	902.5	520.8	416.7
333	2775.0	1387.5	1202.2	693.8	555.0
500	4166.7	2083.3	1805.1	1041.7	833.3