

## TRANSFORMER FULL LOAD CURRENT RATINGS

### Three Phase Medium Voltage Classes

To calculate **full load current**, use this formula:

$$\text{Amps} = \text{KVA} \div \text{Volts} \div 1.732 \times 1000$$

To calculate **KVA**, use this formula:

$$\text{KVA} = \text{Volts} \times \text{Amps} \times 1.732 \div 1000$$

KVA	VOLTAGE											
	2400	4160	12000	12470	13200	13800	14400	22900	23900	24940	34500	
30	7.2	4.2	1.4	1.4	1.3	1.3	1.2	0.8	0.7	0.7	0.5	
45	10.8	6.2	2.2	2.1	2.0	1.9	1.8	1.1	1.1	1.0	0.8	
75	18.0	10.4	3.6	3.5	3.3	3.1	3.0	1.9	1.8	1.7	1.3	
112.5	27.1	15.6	5.4	5.2	4.9	4.7	4.5	2.8	2.7	2.6	1.9	
150	36.1	20.8	7.2	6.9	6.6	6.3	6.0	3.8	3.6	3.5	2.5	
225	54.1	31.2	10.8	10.4	9.8	9.4	9.0	5.7	5.4	5.2	3.8	
300	72.2	41.6	14.4	13.9	13.1	12.6	12.0	7.6	7.2	6.9	5.0	
500	120.3	69.4	24.1	23.2	21.9	20.9	20.0	12.6	12.1	11.6	8.4	
750	180.4	104.1	36.1	34.7	32.8	31.4	30.1	18.9	18.1	17.4	12.6	
1000	240.6	138.8	48.1	46.3	43.7	41.8	40.1	25.2	24.2	23.2	16.7	
1500	360.9	208.2	72.2	69.5	65.6	62.8	60.1	37.8	36.2	34.7	25.1	
2000	481.1	277.6	96.2	92.6	87.5	83.7	80.2	50.4	48.3	46.3	33.5	
2500	601.4	347.0	120.3	115.8	109.3	104.6	100.2	63.0	60.4	57.9	41.8	
3000	721.7	416.4	144.3	138.9	131.2	125.5	120.3	75.6	72.5	69.5	50.2	
3750	902.1	520.5	180.4	173.6	164.0	156.9	150.4	94.5	90.6	86.8	62.8	
5000	1202.8	694.0	240.6	231.5	218.7	209.2	200.5	126.1	120.8	115.8	83.7	
7500	1804.3	1040.9	360.9	347.3	328.0	313.8	300.7	189.1	181.2	173.6	125.5	
10000	2405.7	1387.9	481.1	463.0	437.4	418.4	400.9	252.1	241.6	231.5	167.4	

## TRANSFORMER FULL LOAD CURRENT RATINGS

### Single Phase Medium Voltage Classes

To calculate **full load current**, use this formula:

$$\text{Amps} = \text{KVA} \div \text{Volts} \times 1000$$

To calculate **KVA**, use this formula:

$$\text{KVA} = \text{Volts} \times \text{Amps} \div 1000$$

KVA	VOLTAGE											
	2400	4160	7200	7620	7970	12000	12470	13200	13800	14400	19900	
10	4.2	2.4	1.4	1.3	1.3	0.8	0.8	0.8	0.7	0.7	0.5	
15	6.3	3.6	2.1	2.0	1.9	1.3	1.2	1.1	1.1	1.0	0.8	
25	10.4	6.0	3.5	3.3	3.1	2.1	2.0	1.9	1.8	1.7	1.3	
37.5	15.6	9.0	5.2	4.9	4.7	3.1	3.0	2.8	2.7	2.6	1.9	
50	20.8	12.0	6.9	6.6	6.3	4.2	4.0	3.8	3.6	3.5	2.5	
75	31.3	18.0	10.4	9.8	9.4	6.3	6.0	5.7	5.4	5.2	3.8	
100	41.7	24.0	13.9	13.1	12.5	8.3	8.0	7.6	7.2	6.9	5.0	
167	69.6	40.1	23.2	21.9	21.0	13.9	13.4	12.7	12.1	11.6	8.4	
250	104.2	60.1	34.7	32.8	31.4	20.8	20.0	18.9	18.1	17.4	12.6	
333	138.8	80.0	46.3	43.7	41.8	27.8	26.7	25.2	24.1	23.1	16.7	
500	208.3	120.2	69.4	65.6	62.7	41.7	40.1	37.9	36.2	34.7	25.1	