



TRANSFORMER LOAD CURRENT

The following charts may be used to select the transformer size required.

Transformer Full Load Current in Amps Single Phase					Transformer Load Current Per Line in Amps Three Phase				
KVA	Rated Line Voltage				KVA	Rated Line Voltage			
	120	240	480	600		208*	240	480	600
1	8.3	4.2	2.1	1.6	6	16.6	14.4	7.2	5.8
2	16.7	8.4	4.2	3.2	9	25	21.6	10.8	8.7
3	25	12.5	6.3	5	10	28	24	12	9.6
5	41.7	20.8	10.4	8.3	15	41.6	36.1	18.1	14.4
7.5	62.5	31.2	15.6	12.5	30	83.3	72.3	36.1	28.9
10	83.4	41.6	20.8	16.7	45	125	108	54	43.2
15	125	62.5	31.2	25	75	208	181	90.5	72.1
25	208	104	52.1	41.6	112.5	312	272	136	108
37.5	312	156	78.2	62.5	150	416	360	180	144
50	416	208	104	83.3	225	624	541	270	216
75	625	312	156	125	300	832	722	361	288
100	833	416	208	167	450	1250	1080	542	433
150	1250	625	312	250	500	1388	1203	601	481
167	1391	696	348	278	600	1666	1445	722	578
250	2083	1041	521	417					
333	2775	1387	694	555					
500	4166	2083	1042	833					

NOTE: *Use 208V column to determine current available at 120V from neutral to each line in 120/208V 4 wire system. This information courtesy of Marcus Transformers.

Information is provided as a guideline only. Check your local code.