



Current, Power and Voltages

Line Current (in Amp) given the Power (in kVA) and the Line Voltage (in Volt) of a 1-phase System						
Power (KVA)	Line Voltage (Volt)					
	120	240	480	600	2400	4160
3	25.0	12.5	6.3	5.0	1.3	0.7
5	41.7	20.8	10.4	8.3	2.1	1.2
7.5	62.5	31.3	15.6	12.5	3.1	1.8
10	83.3	41.7	20.8	16.7	4.2	2.4
15	125.0	62.5	31.3	25.0	6.3	3.6
25	208.3	104.2	52.1	41.7	10.4	6.0
37.5	312.5	156.3	78.1	62.5	15.6	9.0
50	416.7	208.3	104.2	83.3	20.8	12.0
75	625.0	312.5	156.3	125.0	31.3	18.0
100	833.3	416.7	208.3	166.7	41.7	24.0
150	1250.0	625.0	312.5	250.0	62.5	36.1
200	1666.7	833.3	416.7	333.3	83.3	48.1
250	2083.3	1041.7	520.8	416.7	104.2	60.1
333	2775.0	1387.5	693.8	555.0	138.8	80.0

Line Current (in Amp) given the Power (in kVA) and the Line Voltage (in Volt) of a 3-phase System						
Power (KVA)	Line Voltage (Volt)					
	208	240	480	600	2400	4160
6	16.7	14.4	7.2	5.8	1.4	0.8
10	27.8	24.1	12.0	9.6	2.4	1.4
15	41.6	36.1	18.0	14.4	3.6	2.1
30	83.3	72.2	36.1	28.9	7.2	4.2
45	124.9	108.3	54.1	43.3	10.8	6.2
50	138.8	120.3	60.1	48.1	12.0	6.9
75	208.2	180.4	90.2	72.2	18.0	10.4
112.5	312.3	270.6	135.3	108.3	27.1	15.6
150	416.4	360.9	180.4	144.3	36.1	20.8
225	624.6	541.3	270.6	216.5	54.1	31.2
300	832.7	721.7	360.9	288.7	72.2	41.6
450	1249.1	1082.6	541.3	433.0	108.3	62.5
500	1387.9	1202.8	601.4	481.1	120.3	69.4
600	1665.5	1443.4	721.7	577.4	144.3	83.3
750	2081.9	1804.3	902.1	721.7	180.4	104.1
1000	2775.8	2405.7	1202.8	962.3	240.6	138.8
1500	4163.7	3608.5	1804.3	1443.4	360.9	208.2
2000	5551.6	4811.4	2405.7	1924.6	481.1	277.6