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Generator Amp Size Chart

kVA	kW	120	208	220	240	277	380	400	416	440	450	480	600	2400	3300	4160	11000	13800
5	4	24.1	13.9	13.1	12	10.4	7.6	7.2	6.9	6.6	6.4	6	-	-	-	-	-	-
6	5	30.1	17.4	16.4	15.1	13	9.5	9	8.7	8.2	8	7.5	-	-	-	-	-	-
9	7	42.1	24.3	23	21.1	18.3	13.3	12.6	12.2	11.5	11.2	10.5	-	-	-	-	-	-
11	9	54.2	31.3	29.6	27.1	23.5	17.1	16.3	15.6	14.8	14.5	13.5	-	-	-	-	-	-
13	10	60.2	34.7	32.8	30.1	26.1	19	18.1	17.4	16.4	16.1	15.1	-	-	-	-	-	-
15	12	72.3	41.7	39.4	36.1	31.3	22.8	21.7	20.8	19.7	19.3	18.1	-	-	-	-	-	-
19	15	90.3	52.1	49.3	45.2	39.1	28.5	27.1	26.1	24.6	24.1	22.6	-	-	-	-	-	-
20	16	96.3	55.6	52.5	48.2	41.7	30.4	28.9	27.8	26.3	25.7	24.1	-	-	-	-	-	-
25	20	120.4	69.5	65.7	60.2	52.2	38	36.1	34.7	32.8	32.1	30.1	-	-	-	-	-	-
31	25	150.5	86.8	82.1	75.3	65.2	47.5	45.2	43.4	41.1	40.1	37.6	-	-	-	-	-	-
38	30	180.6	104.2	98.5	90.3	78.3	57	54.2	52.1	49.3	48.2	45.2	-	-	-	-	-	-
44	35	210.7	121.6	115	105.4	91.3	66.6	63.2	60.8	57.5	56.2	52.7	-	-	-	-	-	-
50	40	240.8	139	131.4	120.4	104.3	76.1	72.3	69.5	65.7	64.2	60.2	48.2	12	8.8	6.9	-	-
56	45	271	156.3	147.8	135.5	117.4	85.6	81.3	78.2	73.9	72.3	67.7	54.2	13.5	9.9	7.8	-	-
63	50	301.1	173.7	164.2	150.5	130.4	95.1	90.3	86.8	82.1	80.3	75.3	60.2	15.1	10.9	8.7	-	-
69	55	331.2	191.1	180.6	165.6	143.5	104.6	99.3	95.5	90.3	88.3	82.8	66.2	16.6	12	9.6	-	-
75	60	361.3	208.4	197.1	180.6	156.5	114.1	108.4	104.2	98.5	96.3	90.3	72.3	18.1	13.1	10.4	-	-
80	65	391.4	225.8	213.5	195.7	169.5	123.6	117.4	112.9	106.7	104.4	97.8	78.3	19.6	14.2	11.3	-	-
88	70	421.5	243.2	229.9	210.7	182.6	133.1	126.4	121.6	115	112.4	105.4	84.3	21.1	15.3	12.2	-	-
94	75	451.6	260.5	246.3	225.8	195.6	142.6	135.6	130.3	123.2	120.4	112.9	90.3	22.6	16.4	13	-	-
100	80	481.7	277.9	262.7	240.8	208.7	152.1	144.5	139	131.4	128.5	120.4	96.3	24.1	17.5	13.9	5.3	4.2
106	85	511.8	295.3	279.2	255.9	221.7	161.6	153.5	147.6	139.6	136.5	128	102.4	25.6	18.6	14.8	5.6	4.5
113	90	541.9	312.6	295.6	271	234.8	171.1	162.6	156.3	147.8	144.5	135.5	108.4	27.1	19.7	15.6	5.9	4.7
125	100	602.1	347.4	328.4	301.1	260.8	190.1	180.6	173.7	164.2	160.6	150.5	120.4	30.1	21.9	17.4	6.6	5.2
138	110	662.3	382.1	361.3	331.2	286.9	209.2	198.7	191.1	180.6	176.6	165.6	132.5	33.1	24.1	19.1	7.2	5.8
144	115	692.4	399.5	377.7	346.2	300	218.7	207.7	199.7	188.8	184.6	173.1	138.5	34.6	25.2	20	7.6	6
150	120	722.5	416.9	394.1	361.3	313	228.2	216.8	208.4	197.1	192.7	180.6	144.5	36.1	26.3	20.8	7.9	6.3
156	125	752.6	434.2	410.5	376.3	326.1	237.7	225.8	217.1	205.3	200.7	188.2	150.5	37.6	27.4	21.7	8.2	6.5
163	130	782.8	451.6	427	391.4	339.1	247.2	234.8	225.8	213.5	208.7	195.7	156.6	39.1	28.5	22.6	8.5	6.8
175	140	843	486.3	459.8	421.5	365.2	266.2	252.9	243.2	229.9	224.8	210.7	168.6	42.1	30.7	24.3	9.2	7.3
188	150	903.2	521.1	492.6	451.6	391.3	285.2	271	260.5	246.3	240.8	225.8	180.6	45.2	32.8	26.1	9.9	7.9
194	155	933.3	538.4	509.1	466.6	404.3	294.7	280	269.2	254.5	248.8	233.3	186.7	46.7	33.9	26.9	10.2	8.1
kVA	kW	120	208	220	240	277	380	400	416	440	450	480	600	2400	3300	4160	11000	13800
206	165	993.5	573.2	541.9	496.7	430.4	313.7	298	286.6	271	264.9	248.4	198.7	49.7	36.1	28.7	10.8	8.6
213	170	1023.6	590.5	558.3	511.8	443.4	323.2	307.1	295.3	279.2	273	255.9	204.7	51.2	37.2	29.5	11.2	8.9
219	175	1053.7	607.9	574.8	526.9	456.5	332.8	316.1	304	287.4	281	263.4	210.7	52.7	38.3	30.4	11.5	9.2
225	180	1083.8	625.3	591.2	541.9	469.5	342.3	325.1	312.6	295.6	289	271	216.8	54.2	39.4	31.3	11.8	9.4
238	190	1144	660	624	572	495.6	361.3	343.2	330	312	305.1	286	228.8	57.2	41.6	33	12.5	9.9
250	200	1204.2	694.8	656.9	602.1	521.7	380.3	361.3	347.4	328.4	321.1	301.1	240.8	60.2	43.8	34.7	13.1	10.5
275	220	1324.7	764.2	722.5	662.3	573.9	418.3	397.4	382.1	361.3	353.2	331.2	264.9	66.2	48.2	38.2	14.5	11.5
288	230	1384.9	799	755.4	692.4	599.9	437.3	415.5	399.5	377.7	369.3	346.2	277	69.2	50.4	39.9	15.1	12
300	240	1445.1	833.7	788.2	722.5	626	456.3	433.5	416.9	394.1	385.4	361.3	289	72.3	52.5	41.7	15.8	12.6
313	250	1505.3	868.4	821.1	752.6	652.1	475.4	451.6	434.2	410.5	401.4	376.3	301.1	75.3	54.7	43.4	16.4	13.1
325	260	1565.5	903.2	853.9	782.8	678.2	494.4	469.7	451.6	427	417.5	391.4	331.2	78.3	56.9	45.2	17.1	13.6
344	275	1655.8	953.3	903.2	827.9	717.3	522.9	496.7	477.6	451.6	441.6	414	313.1	82.8	60.2	47.8	18.1	14.4
363	290	1746.1	1007.4	952.4	873.1	756.5	551.4	523.8	503.7	476.2	465.6	436.5	349.2	87.3	63.5	50.4	19	15.2

375	300	1806.4	1042.1	985.3	903.2	782.5	570.4	541.9	521.1	492.6	481.7	451.6	361.3	90.3	65.7	52.1	19.7	15.7
438	350	2107.4	1215.8	1149.5	1053.7	913	665.5	632.2	607.9	574.8	562	526.9	421.5	105.4	76.6	60.8	23	18.3
500	400	2408.5	1389.5	1313.7	1204.2	1043.4	760.6	722.5	694.8	656.9	642.3	602.1	481.7	120.4	87.6	69.5	26.3	20.9
563	450	2709.5	1563.2	1477.9	1354.8	1173.8	855.6	812.9	781.6	739	722.5	677.4	541.9	135.5	98.5	78.2	29.6	23.6
625	500	3010.6	1736.9	1642.1	1505.3	1304.2	950.7	903.2	868.4	821.1	802.8	752.6	602.1	150.5	109.5	86.8	32.8	26.2
688	550	3311.7	1910.6	1806.4	1655.8	1434.7	1045.8	993.5	955.3	903.2	883.1	827.9	662.3	165.6	120.4	95.5	36.1	28.8
750	600	3612.7	2084.3	1970.6	1806.4	1565.1	1140.9	1083.8	1042.1	985.3	963.4	903.2	722.5	180.6	131.4	104.2	39.4	31.4
813	650	3913.8	2257.9	2134.8	1956.9	1695.5	1235.9	1174.1	1129	1067.4	1043.7	978.4	782.8	195.7	142.3	112.9	42.7	34
875	700	4214.8	2431.6	2299	2107.4	1825.9	1331	1264.5	1215.8	1149.5	1124	1053.7	843	210.7	153.3	121.6	46	36.7
938	750	4515.9	2605.3	2463.2	2257.9	1956.3	1426.1	1354.8	1302.7	1231.6	1204.2	1129	903.2	225.8	164.2	130.3	49.3	39.3
1000	800	4817	2779	2627.4	2408.5	2086.8	1521.9	1445.1	1389.5	1313.7	1284.5	1204.2	963.4	240.8	175.2	139	52.5	41.9
1125	900	5419.1	3126.4	2955.9	2709.5	2347.6	1711.3	1625.7	1563.2	1477.9	1445.1	1354.8	1083.8	271	197.1	156.3	59.1	47.1
1250	1000	6021.2	3473.8	3284.3	3010.6	2608.5	1901.4	1806.4	1736.9	1642.1	1605.7	1505.3	1204.2	301.1	219	173.7	65.7	52.4
1563	1250	7526.5	4342.2	4105.4	3763.2	3260.6	2376.8	2257.9	2171.1	2052.7	2007.1	1881.6	1505.3	376.3	273.7	217.1	82.1	65.4
1875	1500	9031.8	5210.6	4926.4	4515.9	3912.7	2852.1	2709.5	2605.3	2463.2	2408.5	2257.9	1806.4	451.6	328.4	260.5	98.5	78.5
2188	1750	-	-	5747.5	5268.5	4564.8	3327.5	3161.1	3039.5	2873.8	2809.9	2634.3	2107.4	526.9	383.2	304	115	91.6
2500	2000	-	-	6568.6	6021.2	5216.9	3802.9	3612.7	3473.8	3284.3	3211.3	3010.6	2408.5	602.1	437.9	347.4	131.4	104.7
2812	2250	-	-	7389.6	6773.8	5869	4278.2	4064.3	3908	3694.8	3612.7	3386.9	2709.5	677.4	492.6	390.8	147.8	117.8
3130	2500	-	-	8210.7	7526.5	6521.1	4753.6	4515.9	4342.2	4105.4	4014.1	3763.2	3010.6	752.6	547.4	434.2	164.2	130.9
3750	3000	-	-	9852.9	9031.8	7825.4	5704.3	5419.1	5210.6	4926.4	4817	4515.9	3612.7	903.2	656.9	521.1	197.1	157.1
4375	3500	-	-	11495	10537.1	9129.6	6655	6322.3	6079.1	5747.5	5619.8	5268.5	4214.8	1053.7	766.3	607.9	229.9	183.3
5000	4000	-	-	13137.2	12042.4	10433.8	7605.7	7225.4	6947.5	6568.6	6422.6	6021.2	4817	1204.2	875.8	694.8	262.7	209.4
kVA	kW	120	208	220	240	277	380	400	416	440	450	480	600	2400	3300	4160	11000	1380

Wire Gauges Size & Wire Ampacity Table

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 <p>3/0 Gauge</p>	<p>200 AMPS Service Entrance - From Utility Pole to Energy Meter</p>
 <p>1/0 Gauge</p>	<p>150 AMPS Service Entrance & Feeder Wire - To Panel Box</p>
 <p>3 Gauge</p>	<p>100 AMPS Service Entrance & Feeder Wire - To Panel Box</p>
 <p>6 Gauge</p>	<p>55 AMPS Feeder & Large Appliance Wire</p> 
 <p>8 Gauge</p>	<p>40 AMPS Feeder & Large Appliance Wire</p>
 <p>10 Gauge</p>	<p>30 AMPS Appliances e.g. Dryer, Air-conditioning, Water Heater</p>
 <p>12 Gauge</p>	<p>20 AMPS Appliances like Laundry, Bathroom & Kitchen Circuits</p>
 <p>14 Gauge</p>	<p>15 AMPS General Lighting, Fans & Outlet / Receptacle Circuits</p>

VOLTAGE	NEMA	15 AMPERE		20 AMPERE		30 AMPERE		50 AMPERE		60 AMPERE	
		Receptacle	Plug	Receptacle	Plug	Receptacle	Plug	Receptacle	Plug	Receptacle	Plug
125 V	1										
250V	2										
125V	5										
250V	6										
277V, A.C.	7										
125/250V	10										
3Ø 250V	11										
125/250V	14										