



Generator Size, Capacity, and Optimal Loading

kW	Entertainment Industry Designation	Volts	100% Maximum Load (Amps per phase)	40%-80% Optimal Load Range (Amps per phase)		20% Minimum Sustained Load (Amps per phase)
				40%	80%	
60	600 A Plant	120V/208Y	166.55	66.62	133.24	33.31
90	750 A Plant	120V/208Y	249.82	99.93	199.86	49.96
144	1200 A Plant	120V/208Y	399.72	159.89	319.77	79.94
168	1400 A Plant	120V/208Y	466.34	186.53	373.07	93.27
180	1500 A Plant	120V/208Y	499.64	199.86	399.72	99.93
300	2500 A Plant	120V/208Y	832.74	333.10	666.19	166.55
350	350 kW	120V/208Y	971.53	388.61	777.23	194.31
400	400 kW	120V/208Y	1110.32	444.13	888.26	222.06
500	500 kW	120V/208Y	1387.90	555.16	1110.32	277.58
600	600 kW	120V/208Y	1665.48	666.19	1332.39	333.10
750	750 kW	120V/208Y	2081.85	832.74	1665.48	416.37
1000	1 MEG	120V/208Y	2775.80	1110.32	2220.64	555.16

Recommended loading values for the most common generators used in the Entertainment industry.