



GTR X-RAY GENERATORS ELECTRICAL REQUIREMENTS



***Applicable to all
GTR Generators
except the
Stored Energy***

Voltage Requirements:	220 VAC (-5%/+10%), 1 or 3 Phase*
Circuit Breaker Size:	100 Amps**
Wire Type:	Stranded Copper
Wire Size:	#2 Wire for runs less than 50 feet #0 Wire for runs more than 50 feet (mm ² conversion chart on back)
Power Line Impedance:	0.30 Ohms or less

* Single Phase not available in P600 or P700

** Instantaneous Current 227 Amps

Note: These are minimum required specifications for the proper operation of the GTR X-Ray generators.

Convert American Wire Gauge (AWG) to Square mm Cross Sectional Area

American Wire Gauge (AWG)	Diameter (inches)	Diameter (mm)	Cross Sectional Area (mm ²)
0000	0.46	11.68	107.16
000	0.4096	10.40	84.97
00	0.3648	9.27	67.40
0	0.3249	8.25	53.46
1	0.2893	7.35	42.39
2	0.2576	6.54	33.61
3	0.2294	5.83	26.65
4	0.2043	5.19	21.14
5	0.1819	4.62	16.76
6	0.162	4.11	13.29
7	0.1443	3.67	10.55
8	0.1285	3.26	8.36
9	0.1144	2.91	6.63
10	0.1019	2.59	5.26
11	0.0907	2.30	4.17
12	0.0808	2.05	3.31
13	0.072	1.83	2.63
14	0.0641	1.63	2.08
15	0.0571	1.45	1.65
16	0.0508	1.29	1.31
17	0.0453	1.15	1.04
18	0.0403	1.02	0.82
19	0.0359	0.91	0.65
20	0.032	0.81	0.52
21	0.0285	0.72	0.41
22	0.0254	0.65	0.33
23	0.0226	0.57	0.26
24	0.0201	0.51	0.20
25	0.0179	0.45	0.16
26	0.0159	0.40	0.13