

SUMMIT SYNERGY X-RAY GENERATORS INCOMING POWER REQUIREMENTS

REVISION 11/27/2001

MODEL	VOLTAGE	WIRE SIZE/LENGTH From Distribution Transformer to Disconnect Circuit Breaker			MOMENTARY LINE CURRENT AMPS	DISCONNECT CIRCUIT BREAKER AMPS	DISTRIBUTION TRANSFORMER KVA	KW	PHASE
		≤ 50 FEET	≤ 100 FEET	≤ 200 FEET					
SYNERGY 20KHZ	240	#2AWG	#00AWG	250MCM	195	100	37.5	30	1φ
SYNERGY 200KHZ	230	#1AWG	#00AWG	#0000AWG	195	100	45	30	1φ
SYNERGY 200KHZ	240	#1AWG	#00AWG	#0000AWG	195	100	60	32.5	1φ
SYNERGY 200KHZ	240	#1AWG	#00AWG	#0000AWG	195	100	60	37.5	1φ
SYNERGY 200KHZ	400	#2AWG	#0AWG	#0000AWG	120	100	70	50	3φ

NOTES:

20KHZ, 30KW VERSION REQUIRES 230VAC TO 240VAC, SINGLE PHASE.
 200KHZ, 30KW VERSION REQUIRES 230VAC +- 10%, SINGLE PHASE
 200KHZ, 32.5KW VERSION REQUIRES 240VAC +- 0%, SINGLE PHASE
 200KHZ, 37.5KW VERSION REQUIRES 240VAC +- 0%, SINGLE PHASE.
 200KHZ, 50KW VERSION REQUIRES 400VAC +- 10%, THREE PHASE.

IF THE REQUIRED VOLTAGE IS NOT AVAILABLE THEN A LINE MATCHING
 TRANSFORMER IS REQUIRED AT ADDITIONAL COST.

DISTRIBUTION TRANSFORMER SHOULD BE A WYE WITH A BALANCED
 NEUTRAL.

GENERATORS PROVIDE BOTH 24VDC AND 24VAC SUPPLIES.

ADDITIONAL POWER REQUIREMENTS:

110VAC/20AMP SUPPLY IS REQUIRED WITH THE ELEVATING TABLE.
 110VAC/15AMP SUPPLY IS REQUIRED WITH AUTOMATIC COLLIMATION.