



The Frequency Converter People Since 1950

**GEORATOR Corporation**

9617 Center Street  
Manassas, VA 20110

800 523-9938

703 368-2101

Fax: 703 368-1078

E-Mail: sales@georator.com

<b>Triathlon II AC Power Source Specification</b> (Fully Adjustable Frequency Converter)			
<b>3 Phase Input to 1 Phase Output Model - 1 KVA</b>			
<b>Model</b>		<b>T2FC-31-1K</b>	
<b>Output KVA</b>		1	
<b>Input</b>	Voltage (select one individual voltage)	3 Phase Wye 190/200/208/220/230/240V +/- 10% 3 Phase Wye 380/400/415/440/460/480V +/- 10%	
	Frequency	47-63 Hz	
	Power Factor	0.6 - 0.7	
<b>Output</b>	Voltage	110V Setting: 0-150V (Low Range) 220V Setting: 0-300V (High Range) (optional 0-600V)	
	Voltage Regulation	<= 1%	
	Current Limit	L-N at 120 V	L: 8.4A
		L-N at 240 V	H: 4.2A
	Frequency	47-63 Hz (Optional 40 to 500 Hz)	
	Power Factor	0.7	
	Distortion (THD)	<= 2%	
	Crest Factor	3:1	
	Overload Capacity	120% > 2 sec., 120-150% 2 sec., 200% Instant Trip	
Efficiency	> 80%		
<b>Indicators</b>	LED	Freq. (0.1 Hz), Volt (0.1V), Amp (0.1A), Power (0.1W)	
<b>Protection</b>	Output Short Circuit	Electronic circuit breaker	
	Overload	Electronic circuit breaker	
	Over Temperature	Electronic circuit breaker instant cut off	
	EMI/EMC	Output Filter	
<b>Environment</b>	Operating Temperature	0° – 40° C	
	Humidity	0 - 90% Non-condensing	
	Audible Noise	< 45 dB at 1 meter	
<b>Dimensions</b>	W x H x D (mm)	430*190*450	
	W x H x D (in)	16.9*7.5*17.7	
<b>Weight *</b>	Kilograms	36.0	
	Pounds	79.4	

\* Weights may vary based on input/output frequency/voltage/phase