



The Frequency Converter People Since 1950

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Triathlon II AC Power Source Specification (Fully Adjustable Frequency Converter)			
3 Phase Input to 1 Phase Output Model - 45 KVA			
Model		T2FC-31-45K	
Output KVA		45	
Input	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	
Output	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: 375A
		L-N at 240 V	H: 187.5A
	Frequency	47-63 Hz (Optional 40 to 500 Hz)	
	Power Factor	0.8	
	Distortion (THD)	<= 2%	
	Crest Factor	3:1	
	Overload Capacity	120% > 2 sec., 120-150% 2 sec., 200% Instant Trip	
Efficiency	> 80%		
Indicators	LED	Freq. (0.1 Hz), Volt (0.1V), Amp (0.1A), Power (0.1W)	
Protection	Output Short Circuit	Electronic circuit breaker	
	Overload	Electronic circuit breaker	
	Over Temperature	Electronic circuit breaker instant cut off	
	EMI/EMC	Output Filter	
Environment	Operating Temperature	0° – 40° C	
	Humidity	0 - 90% Non-condensing	
	Audible Noise	< 45 dB at 1 meter	
Dimensions	W x H x D (mm)	860*1,600*590	
	W x H x D (in)	33.9*63.0*23.2	
Weight *	Kilograms	300.0	
	Pounds	661.4	

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