



The Frequency Converter People Since 1950

GEORATOR Corporation

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Voltage (select one)

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Triathlon III Frequency Converter Specifications - 1 Phase Input to 1 Phase Output Model, 8 KVA		
Model		T3FC-11-8K
Capacity		8 KVA
Input	Voltage (select one individual voltage)	1 Phase 100, 110, 115, 120, 200, 208, 220, 230, or 240V ± 20%
	Frequency (select one)	47 - 63 Hz (Optional 400Hz)
	Power Walk In	0-100% < 20 seconds
Output	Voltage (select one individual voltage)	100, 110, 115, 120, 200, 208, 220, 230, or 240V (± 15% adjustable from nominal)
	Voltage Regulation	± 1% from Set Point
	Frequency (select one)	50 or 60Hz ± 0.1Hz (Optional: 400Hz.) (Optional: Switch Selectable 50/60Hz.)
	Phase	1 Phase, 2W+G (Optional 3W)
	Power Factor	0.7-1 lag
	Distortion (THD)	< 3.0% (Linear Load)
	Crest Factor	3:1
	Overload Capacity	110% continuous, 120-150% for 30 sec., > 150% auto-shutdown, auto restart when normal
	Efficiency	> 85%
Indicators	LCD	I/P&O/P Voltage, I/P&O/P Frequency, Loading %, History Record
	LED	Utility LED (green), Inverter LED (green), Fault LED (red), Overload (yellow)
Protection	Over/Under Voltage	Alarm
	Output Short Circuit	Current Limited and cut-off, fuse and breaker
	Overload	150% 30seconds cut off (Current Limited)
	Over Temperature	Auto-shutdown
	Surge and Lightning	Surge and Lightning Protection
	EMI/EMC	EN50091-2, CE Approved
	Galvanic Isolation	N/A
Interface	Contact Closure, RS-232	Support MEGATEC RUPS, MEGATEC RUPSII / UPSilon 2000 UPS monitoring software
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)	480*845*340
	W x H x D (in)	18.9*33.3*13.4
Weight	Kilograms	115.0
	Pounds	253.5

* Weights based on 220V IN and OUT. Weights may vary based on input/output frequency/voltage