



The Frequency Converter People Since 1950

## GEORATOR Corporation

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Triathlon III Frequency Converter Specifications - 1 Phase Input to 3 Phase Output Model, 20 KVA		
<b>Model</b>		<b>T3FC-13-20K</b>
<b>Capacity</b>		20 KVA
<b>Input</b>	Voltage (select one individual voltage)	1 Phase 100, 110, 115, 120, 200, 208, 220, 230, or 240V ± 20%
	Frequency	47-63 Hz (Optional 400Hz)
	Power Walk In	0-100%: 20 seconds
<b>Output</b>	Voltage (select one individual voltage)	3 Phase Delta 220/380/460V 3 Phase Wye 190/200/208/220/230/240V 3 Phase Wye 380/400/415/440/460/480V (± 15% adjustable from nominal)
	Voltage Regulation	± 1% at Linear Load
	Phase Shift (unbal. load)	< 0.5 Deg.
	Frequency (select one)	50 or 60Hz ± 0.1Hz (Optional: 400Hz.) (Optional: Switch Selectable 50/60Hz.) (Optional: Frequency Adjustable ±10% from nominal)
	Power Factor	0.8
	Distortion (THD)	< 2.0% (Linear Load)
	Crest Factor	3:1
	Overload Capacity	125% for 15 Minutes, 150% for 10 Minutes, > 150% for 1 minute
	Efficiency	≥ 93%
<b>Indicators</b>	LCD	Real Time Status, Data or Historical Events, Parameters, Real Time Clock, Inverter & Alarm
	LED	Up to date information (Status) to the User & Audible Alarm
<b>Protection</b>	Over/Under Voltage	Alarm
	Output Short Circuit	Auto-shutdown
	Overload	Auto-shutdown 1 minute, Auto Restore when back to normal
	Over Temperature	Auto-shutdown
	Lightning / EMC Filter	MOV / Input & Output (FCC CLASS A)
	EMI/EMC	EN50091-1, -2 Approved
<b>Interface</b>	Galvanic Isolation	Input & Output True Galvanic Isolation
	Contact Closure, RS-232/485	Supports Remote Control Module, Optional SNMP card (Model No. MEGATEC Net Agent II)
<b>Environment</b>	Operating Temperature	0° – 40° C
	Humidity	0 - 90% Non-condensing
	Audible Noise	< 65 dB at 1 meter
<b>Dimensions</b>	W x H x D (mm)	550*1,600*800
	W x H x D (in)	21.7*63.0*31.5
<b>Weight</b>	Kilograms	400.0
	Pounds	881.8

\* Weights based on 220V IN and 380V OUT. Weights may vary based on input/output frequency/voltage