



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

| Triathlon III Frequency Converter Specifications - 3 Phase Input to 1 Phase Output Model, 20 KVA | | |
|---|--|--|
| Model | | T3FC-31-20K |
| Capacity | | 20 KVA |
| Input | Voltage (select one individual voltage) | 3 Phase Delta 220/380/460 ± 20% 3 Phase Wye 190/200/208/220/230/240V ± 20% 3 Phase Wye 380/400/415/440/460/480V ± 20% |
| | Frequency | 47 - 63 Hz (400 Hz. Optional) |
| | 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) |
| | Voltage Regulation | ± 1% at Linear Load |
| | Frequency (select one) | 50 or 60Hz ± 0.1Hz (Optional: 400Hz.) (Optional: Switch Selectable 50/60Hz.) (Optional: Frequency Adjustable ±10% from nominal) |
| | Phase | 1 Phase, 2W+G (Optional 3W) |
| | Power Factor | 0.8 |
| | Distortion (THD) | < 2.0% (Linear Load) |
| | Crest Factor | 3:1 |
| | Overload Capacity | 125% for 15 Minutes, 150% fro 10 Minutes, > 150% for 1 minute |
| | Efficiency | >= 93% |
| Indicators | 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 |
| Protection | Over/Under Voltage | Alarm |
| | Output Short Circuit | Current Limited and cut-off, fuse and breaker |
| | 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 |
| | Galvanic Isolation | Input & Output True Galvanic Isolation |
| Interface | Contact Closure, RS-232/485 | Supports Remote Control Module, Optional SNMP card (Model No. MEGATEC Net Agent II) |
| Environment | Operating Temperature | 0° – 40° C |
| | Humidity | 0 - 90% Non-condensing |
| | Audible Noise | < 65 dB at 1 meter |
| Dimensions | W x H x D (mm) | 550*1,600*800 |
| | W x H x D (in) | 21.7*63.0*31.5 |
| Weight | Kilograms | 400.0 |
| | Pounds | 881.8 |

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