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MajorFC1000 - 1000 VA Frequency Converter

The **MajorFC1000** is a highly reliable, telecom quality, AC to AC Frequency Converter.

The **MajorFC1000** features full electronic protection, high efficiency and low output noise. The built-in fan provides sufficient airflow for operation without de-rating up to 50°C ambient temperature. Extended temperature (-40 to +65°C), ruggedization and conformal coating are available.

Product Features

- Autoranging Input: 60/50/400 Hz
- 60, 50 or 400 Hz Output Available
- Custom Input and Output Voltages available
- Compact size, light weight
- Pure sine wave output (60, 50 or 400 Hz)
- Full electronic protection
- Telecom quality
- Rackmount RM-3U-19" standard
- Options:
  - Dry contact failure alarm
  - Ruggedization
  - Conformal Coating
  - Extended Temp. (-40 to +65°C)

Product Specifications

Input Voltage:	115 or 230VAC, ±20%, 48-410 Hz Standard. Other inputs available.
Input Protection	Thermal fuse and Inrush current limiting.
Input Isolation	Input-chassis / Input-output / Output-chassis: 2250VDC
Output Voltage	115 VAC/60 Hz @ 8.7A (230 VAC/ 50 Hz @ 4.3A and 115 VAC/400 Hz @ 8.7A Available) Continuous output with grounded neutral. Isolated floating output available.
Efficiency	Min 78% at full load
Line Regulation	Maximum 0.5%
Load Regulation	Maximum ±6% from 10% load to full load
Output Protection	Current limiting with short circuit protection. Thermal shutdown with automatic reset in case of insufficient airflow
RFI Suppression	Meets requirements of EN 55022: 1987 Class B conducted emissions
Crest Factor	Maximum 3.0 at 90% load
Harmonics (THD)	Less than 5% at full load
Operating Temp.	0°C to +50°C (internal fan)
Temp. Drift	0.05% per°C over operating temperature range
Connections	Input: Compression-type terminal; Output: Standard AC Receptical
Dimensions	5.3" x 7.5" x 15.5" enclosed case (3U Rackmount included)
Weight	13 pounds (5.9Kg)
Warranty	Twelve months subject to client application within accepted engineering practice. Designed to meet common approval requirements.

Specifications subject to change