

VFC1000 - 2000 SERIES

AC/AC Sine Frequency Converter: 1KVA - 2KVA



Features

- Universal input: 95-264 VAC
- Output fully variable 0 - 250VAC
- Variable output frequency
- Compact size, light weight
- 3U x 19in Rack Mounting
- Sinusoidal output wave form
- Digital meters for voltage and frequency
- Isolated floating output
- 1000 - 2000VA output power
- Electronic protection
- Suitable for a wide range of applications

General Specifications

Input Voltage:	95-264VAC
Input Frequency:	47 - 440Hz
Input Protection:	Thermal fuse, inrush current limiting
Isolation:	Input - Output 2250VDC
Output VFC1000:	0 ... 130VAC max 8A 0 ... 250V AC max 4A
Output VFC2000:	0 ... 130VAC max 15A 0 ... 250VAC max 8A
Output Frequency:	47 - 440Hz Hot push button: 50, 100, 200, 400Hz
Output Waveform:	Sinusoidal
Harmonic Distortion:	Total Harmonic Distortion less than 5% at full load
Efficiency:	78% at full load
Load Regulation:	Typically $\pm 5\%$
EMI:	EN55022 Class A
Output Protection:	Current limiting with short circuit protection. Thermal shutdown with auto recovery in case of insufficient air flow
Load Crest Factor:	Maximum 3.0 at 90% load
Frequency Stability:	$\pm 0.1\%$
Operating Temp:	0°C to + 50°C at full load
Connections:	Input terminal block Output binding posts
Dimensions/Weight:	3U x 19in x 15 Rack Mount assembly 14Kg

Description

The VFC1000 & VFC2000 series Frequency Converters are designed for in Laboratory and many R&D applications, where there is a requirement for a variable output frequency.

The output voltage is also variable over the range 0 - 250VAC. The output frequency can be adjusted by 'Hot Push Buttons' in steps of 50, 100, 200 and 400Hz, plus further adjustment to set to required frequency range.

Options

N/A

Model	Input	Output V A	Hz	Power VA
VFC1000	95-264VAC	0 - 130VAC 8A 0 - 250VAC 4A	47 - 440Hz	1000VA
VFC2000	95-264VAC	0 - 130VAC 15A 0 - 250VAC 7.5A	47 - 440Hz	2000VA