

# VFC1000 - 2000 SERIES

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



## Features

- Input auto select from 115 - 230VAC
- 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

<b>Input Voltage:</b>	115 / 230VAC auto select
<b>Input Frequency:</b>	47 - 440Hz
<b>Input Protection:</b>	Thermal fuse, inrush current limiting
<b>Isolation:</b>	Input - Output 2250VDC
<b>Output VFC1000:</b>	0 ... 130VAC max 8A 0 ... 250VAC max 4A
<b>Output VFC2000:</b>	0 ... 130VAC max 15A 0 ... 250VAC max 8A
<b>Output Frequency:</b>	47 - 440Hz Hot push button: 50, 100, 200, 400Hz
<b>Output Waveform:</b>	Sinusoidal
<b>Harmonic Distortion:</b>	Total Harmonic Distortion less than 5% at full load
<b>Efficiency:</b>	78% at full load
<b>Load Regulation:</b>	Typically $\pm 5\%$
<b>EMI:</b>	EN55022 Class A
<b>Output Protection:</b>	Current limiting with short circuit protection. Thermal shutdown with auto recovery in case of insufficient air flow
<b>Load Crest Factor:</b>	Maximum 3.0 at 90% load
<b>Frequency Stability:</b>	$\pm 0.1\%$
<b>Operating Temp:</b>	0°C to + 50°C at full load
<b>Connections:</b>	Input terminal block Output binding posts
<b>Dimensions/Weight:</b>	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		Hz	Power VA
		V	A		
VFC1000	115-230VAC	0 - 130VAC	8A	47 - 440Hz	1000VA
	Auto Select	0 - 250VAC	4A		
VFC2000	115-230VAC	0 - 130VAC	15A	47 - 440Hz	2000VA
	Auto Select	0 - 250VAC	7.5A		