The VFC1000 & VFC2000 series Frequency Converters are designed for 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 - 250V AC. 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.

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 ... 250VAC 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 ±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:** ±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

Features

- Universla input: 95-264VAC
- 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

Description

The VFC1000 & VFC2000 series Frequency Converters are designed for 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 - 250V AC. 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

<table>
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<th>Model</th>
<th>Input Voltage</th>
<th>Output Voltage</th>
<th>Output Current</th>
<th>Frequency</th>
<th>Power</th>
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<tbody>
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<td>VFC1000</td>
<td>95-264VAC</td>
<td>0 - 130VAC</td>
<td>8A</td>
<td>47 - 440Hz</td>
<td>1000VA</td>
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<tr>
<td></td>
<td></td>
<td>0 - 250VAC</td>
<td>4A</td>
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<tr>
<td>VFC2000</td>
<td>95-264VAC</td>
<td>0 - 130VAC</td>
<td>15A</td>
<td>47 - 440Hz</td>
<td>2000VA</td>
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<td>0 - 250VAC</td>
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