

# FTT SERIES

## 3-Phase to 3-Phase Frequency Converters: 1.5-6KVA



### Features

- 3-phase to 3-phase Frequency Converters
- 1500VA to 6000VA power options
- 50, 60 and 400Hz options
- Sinusoidal wave shape
- Electronic protection
- Centre point (neutral) is floating and can be grounded
- Each output is floating from each other and can be connected in a "Y" configuration or left as three individual outputs
- Remote shutdown option
- Systems can be designed to customers requirements

### General Specifications

<b>Input Voltage:</b>	208VAC 3- phase 50Hz, 60Hz, 400Hz 380VAC 3- phase 50Hz, 60Hz, 400Hz 415VAC 3-phase 50Hz, 60Hz, 400Hz
<b>Input Protection:</b>	Thermal fuse. Inrush current limiting
<b>EMI:</b>	EN55022 Class A
<b>Output Voltage:</b> (Options)	208VAC rms 3-phase 380VAC rms 3-phase 415VAC rms 3-phase The centre point (neutral) is floating, it can be grounded. Consult our office for other configurations.
<b>Output Frequencies:</b>	50, 60, 400Hz options
<b>Frequency Stability:</b>	±0.1%
<b>Output Waveform:</b>	Sinusoidal
<b>Distortion:</b>	Output voltage Harmonic Distribution less than 5% at full load.
<b>Line Regulation:</b>	±0.5%
<b>Load Regulation:</b>	±6% from 10% - 100% full load
<b>Output Protection:</b>	<ul style="list-style-type: none"> <li>• Current limiting with short circuit protection</li> <li>• Thermal shutdown with auto recovery</li> </ul>
<b>Efficiency:</b>	Typically 78% at nominal load
<b>Load Crest Factor:</b>	Maximum 3.0 at 90% load
<b>Operating Temp:</b>	0°C to +50°C at full load. Consult office for extended temperature options
<b>Dimensions/Weight:</b>	19in Rack Mount Units Model dependent, consult office

### Description

The **FTT** series is a range of Frequency Converters that provide AC power conversion from 3-Phase to 3-Phase, as well as frequency conversion. The variety of 3-phase voltage and frequency inputs and outputs cover world-wide standard 3-phase voltages for powering equipment in a range of Industrial, Avionics and Telecom applications.

The units provide true sinusoidal wave form and power levels from 1.5KVA to 6KVA.

Units are manufactured to order and as such, can be designed to meet customers requirements and specifications.

### Options

<b>Alarms:</b>	Output Fail Alarm: Voltage free relay contacts
<b>Remote Inhibit:</b>	Remote ON/OFF
<b>Ruggedised:</b>	Conformal coating and ruggedisation for use in harsh environments.
<b>Connections:</b>	Terminal block at rear of rack.

Input 3-phase	Output 3-phase V	Hz	Power VA
208VAC 60/400Hz	208VAC 308VAC 415VAC	50, 60, 400Hz	1500VA 3000VA 4500VA 6000VA
380VAC 415VAC 50Hz	208VAC 308VAC 415VAC	50, 60, 400Hz	1500VA 3000VA 4500VA 6000VA

FTT	Power	Input	Output	Options
Series	1500W = 1K5	A = 208V / 60Hz	A = 208V / 60Hz	AL = Alarm
	3000W = 3K0	E = 415V / 50Hz	E = 415V / 50Hz	Output Alarm
	4500W = 4K5	M = 208V / 400Hz	M = 208V / 400Hz	
	6000W = 6K0			