



FERROTRAN voltage conditioning transformers (VCTs) give total galvanic isolation between the supply and the load.

VCTs allow you to earth the secondary neutral which provides a complete block against sags, surges, spikes and electrical noise. They also offer protection against lightning.

A unique feature of VCTs is their ability to hold up the power to the load in the event of short millisecond breaks in the mains power supply.

FERROTRAN VCTs are designed for the protection of single as well as three phase balanced loads.

Ratings

250VA - 12kVA single phase
6kVA - 18kVA three phase



CLAUDE LYONS
— IN CONTROL —

SPECIFICATION

Input Voltage:	Single phase, 220V or 240V Three Phase*, 380/220V or 415/240(State voltage at time of ordering)
Supply Frequency:	50/60 to order
Output Voltage:	220V or 240V
Output Accuracy:	Better than 3%
Harmonic Distortion:	Typically less than 3%
Effect of Frequency Change:	1% change in frequency produces approx 1.5% change in output voltage
Response:	Typically 1 - 2 cycles (20 - 40 milliseconds)
Ratings:	See table
Overload:	Short circuit limited
Efficiency:	Approximately 80% at full load
Noise attenuation:	Symmetrical-mode (Transverse-mode) 60 dB Typ. Asymmetrical-mode (Common-mode) 80 dB Typ.
Surge Rating:	Meets IEEE 587 Cat A test
EMC (Electro-Magnetic Capability):	Complies with the relevant parts of: BS EN 50081-1,2 and BS EN 50082-1,2 (emission and immunity) IEC 801-2,3 and 4 (IEC 1000-4-X) and new standards when applicable
Construction:	Textured acrylic Glacier White metal case
Connection:	Supplied for hard wire connection Input lead/output socket up to 2,000VA optional

Single Phase

Model No.	VA Rating	Height	Width	Depth	WT kgs
VCT - 250	252	190	230	280	10
VCT - 500	500	190	230	286	19
VCT - 1000	1000	190	355	286	32
VCT - 1500	1500	190	355	286	50
VCT - 2000	2000	285	435	435	58
VCT - 3000	3000	285	435	435	68
VCT - 4000	4000	285	505	435	82
VCT - 5000	5000	285	505	435	97
VCT - 6000	6000	310	410	720	160
VCT - 8000	8000	360	505	720	180
VCT - 10000	10000	360	505	720	220
VCT - 12000	12000	410	505	720	260

Three Phase (with Neutral)

Model No.	VA Rating	Height	Width	Depth	WT kgs
VCT - 6000 - 3	6000	310	410	1000	210
VCT - 9000 - 3	9000	310	410	1000	230
VCT - 12000 - 3	12000	360	505	1000	310
VCT - 15000 - 3	15000	360	505	1000	360
VCT - 18000 - 3	18000	410	505	1000	440

*Note: Three phase models are suitable for three phase balanced loads only.