

Series TSC Line Voltage Conditioner/Stabilisers

7KVA to 60KVA

Series TSC Line Voltage Conditioners are available for 110V, 220V or 240V single phase, 208V, 380V or 415V three phase, four wire, 48/63 Hz. operation. Options include metering, switching or other control and indication devices, input/output protection, together with finishes to suit customers' individual requirements.

Features

Mains Isolation: Output mains and earth free.

Transient Suppression:

Common-mode — 88 dB Typical.
Transverse-mode — 65 dB Typical.

Noise Suppression

Common-mode — 120 dB Typical.
Transverse-mode — 65 dB Typical.

Accuracy: $\pm 1\%$ at rated current.

Voltage: See tables.

Supply Frequency: 48-63 Hz.

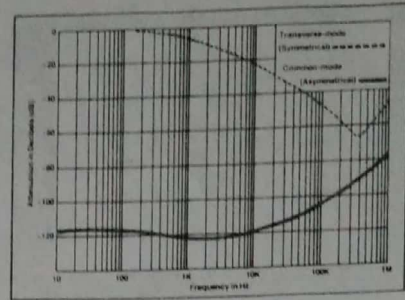
Waveform Distortion: Negligible.

Regulation: 3% approx. zero to full load.

Input Correction Range: $\pm 12\frac{1}{2}\%$ (Other ranges to order).

Environment: -15°C to $+45^{\circ}\text{C}$ for indoor tropical use.

The TSC Line Voltage Conditioner employs a servo-controlled Claude Lyons Regavolt[®] Variable Transformer with a patented true RMS control circuit providing continuous accurate voltage stabilisation and fast correction.



The graph shows typical common-mode (asymmetrical) and transverse-mode (symmetrical) noise attenuation when correctly installed between the user equipment and its AC supply.

Single Phase 240V (220V)

Model	Output current	kVA at 240V	Correction speed	Dimensions (mm)			Net Weight
				H	W	D	
TSC-2900	29A	6.96	110V/sec	800	430	350	165 kg
TSC-4200	42A	10.08	110V/sec	800	430	350	195 kg
TSC-5600	56A	13.44	100V/sec	930	710	400	220kg
TSC-8500	85A	20.40	95V/sec	950	818	460	275 kg

Three Phase 415V (380V)

Model	Output current	kVA at 415V	Correction speed	Dimensions (mm)			Net Weight
				H	W	D	
TSC-2900/3	3 x 29A	20.88	190V/sec	1300	900	800	700 kg
TSC-4200/3	3 x 42A	30.24	190V/sec	1300	900	800	750 kg
TSC-5600/3	3 x 56A	40.32	174V/sec	1600	960	850	950 kg
TSC-8500/3	3 x 85A	61.20	166V/sec	1700	1030	860	1100 kg

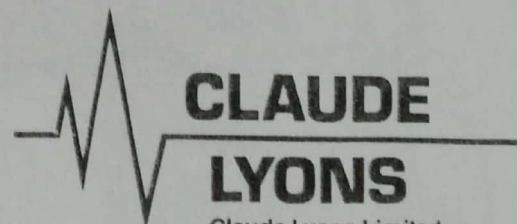
Single Phase 120V

Model	Output current	kVA at 240V	Correction speed	Dimensions (mm)			Net Weight
				H	W	D	
TSC-2900L	55A	6.60	55V/sec	800	430	350	165 kg
TSC-8500L	153A	18.36	47V/sec	950	818	460	275 kg

Three Phase 208V

Model	Output current	kVA at 208V	Correction speed	Dimensions (mm)			Net Weight
				H	W	D	
TSC-2900L/3	3 x 55A	19.80	96V/sec	1300	900	800	700 kg
TSC-8500L/3	3 x 153A	55.08	83V/sec	1700	1030	860	1100 kg

Other voltages and ratings are available to order.



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Specifications are subject to change without notice.

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