

SA 900C, SA 500C & SA 450C



- **STUDIO QUALITY**
extreme low distortion
- **HIGH SLEW-RATE**
excellent transient response
- **INDIVIDUAL POWER SUPPLIES**
very good channel separation
- **SYMMETRIC INPUTS**
electronic balanced/unbalanced
- **MODULAIR CONSTRUCTION**
fast servicing possible
- **ROAD-PROOF**
very solid construction
- **ROADY-PROOF**
5-times protected



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The SA 900 and SA 500 "C"-series are the improved versions of the successful SA 900B and the SA 500B amplifiers. They feature individual power supplies, ultra-high voltage output devices, handles for easy mounting and carrying, protection bars on the back, and a special finish to improve heat dissipation. The SA 450C is a single-channel, 100V line-output version of the SA 900C.

SA Amplifiers: better by design!

Top-quality components and ultra-fast, high voltage, full complementary output devices combine with very carefully designed circuitry to guarantee superb performance and outstanding electronic stability.

The application of individual power supplies eliminates crosstalk almost completely and provides the possibility for ideal wiring to further decrease harmonic distortion.

Electronically balanced inputs can be switched in/out and allow for bridged-mode operation. Long-life 41-step potentiometers are used as input level controls. To prevent earth-loops a ground lift switch is also provided.

The opto-coupler operated protection works very efficiently against switching peaks, heavy overload and short-circuit on output, whilst temperature sensors protect the amplifier against overheating. LEDs indicate clipping, signal present, overload and overheating.

The power- and driver-transistors are mounted on two heat sinks with "Sil-Pads" for superior long life heat transmission. A two-speed, thermally-controlled low-noise fan is built-in for optimal cooling.

With specially designed aluminium profiles, the amplifier is very solid and will easily withstand heavy "on-the-road" handling. Solid grips and 7mm mounting holes provide easy access and mounting in 19" racks.

Specifications:

Output power:	SA 900C: 2 x 280W in 8 Ω 2 x 425W in 4 Ω 1 x 850W in 8 Ω
	SA 500C: 2 x 135W in 8 Ω 2 x 225W in 4 Ω 1 x 450W in 8 Ω
Frequency range:	10 Hz-20 kHz, ± 1 dB
T.H.D.:	better than 0.08%, 30V in 8 Ω , 20 Hz-20 kHz
I.M.D.:	see graphs
Difference frequency:	see graphs
Crosstalk:	see graph
Input impedance:	15 k Ω
Input sensitivity:	1.55V for max. output
Damping:	better than 230:1, 1 kHz in 8 Ω
Slew-rate:	better than 60V/ μ sec.
Protection against:	switching peaks, heavy overload, short circuit, DC on output and overheating
Power supplies:	SA 900C: 2 x 625VA SA 500C: 2 x 350VA SA 450C: 1 x 625VA toroidal transformers
Housing:	19" rackmounting, 13" deep SA 900C & SA 450C: 4 HU high SA 500C: 3 HU high



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Stage Accompany reserves the right to change specifications without notice. As a result of constant research, SA products may differ from published description but will always equal or exceed the specifications stated above.

