

Presently seven models with different performance features are available as studio, live and installation power amps from series »E«, »S« and »F«. All amplifiers offer balanced inputs, which are available as XLR versions and also using jack plugs, including single aperture core transformers and well dimensioned loading capacity beside a rise-delay time. All models feature multiple protected circuits, for example for excessive loading, excessive temperature and short circuit. The mechanical design of the solid sheet steel casing, together with a strong aluminium front plate are professional equipment suitable for road use.

SPA 500 F

fan cooled, 2 x 250 watts @ 4 Ohm



SPA 900 F

fan cooled, 2 x 450 watts @ 4 Ohm



SPA 1200 F

fan cooled, 2 x 600 watts @ 4 Ohm



SPA 160 E

convection cooled, 2 x 80 watts @ 4 Ohm



SPA 240 E

convection cooled, 2 x 120 watts @ 4 Ohm



SPA 240 S

convection cooled, 2 x 120 watts @ 4 Ohm



SPA 450 S

convection cooled, 2 x 225 watts @ 4 Ohm



	SPA 160 E	SPA 240 E	SPA 240 S	SPA 450 S	SPA 500 F	SPA 900 F	SPA 1200 F
Output RMS @ 4 Ohm	2 x 80 W	2 x 120 W	2 x 120 W	2 x 225 W	2 x 250 W	2 x 450 W	2 x 600 W
Output RMS @ 8 Ohm	2 x 50 W	2 x 70 W	2 x 70 W	2 x 130 W	2 x 150 W	2 x 250 W	2 x 340 W
Bridged power RMS @ 8 Ohm	--	--	200 W	400 W	500 W	900 W	1200 W
Impulse power 10ms, 4 Ohm, sin.	--	180 W	180 W	300 W	350 W	600 W	800 W
Power consumption	350 W	370 W	370 W	720 W	800 W	1350 W	1900 W
Frequency range	20 Hz - 20 kHz	20 Hz - 20 kHz	20 Hz - 20 kHz	20 Hz - 20 kHz	20 Hz - 20 kHz	20 Hz - 20 kHz	20 Hz - 20 kHz
THD@1 kHz	< 0.1 %	< 0.1 %	< 0.1 %	< 0.1 %	< 0.1 %	< 0.1 %	< 0.1 %
S/N ratio (A, RMS)	> 100 dB	> 100 dB	> 100 dB	> 100 dB	> 100 dB	> 100 dB	> 100 dB
Crosstalk @ 1 kHz	> 80 dB	> 80 dB	> 80 dB	> 80 dB	> 80 dB	> 80 dB	> 80 dB
Damping factor (1 kHz, int.)	> 500 / 8 Ohm	> 500 / 8 Ohm	> 500 / 8 Ohm	> 500 / 8 Ohm	> 500 / 8 Ohm	> 500 / 8 Ohm	> 500 / 8 Ohm
Slew rate V/μs, int.	> 30	> 30	> 30	> 30	> 30	> 30	> 30
Slew time μs/V, int.	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Input sensitivity	0 dB / 40 kOhm	0 dB / 40 kOhm	0 dB / 40 kOhm	0 dB / 40 kOhm	0 dB / 40 kOhm	0 dB / 40 kOhm	0 dB / 40 kOhm
Dynamic limiter	--	--	optical	optical	optical	optical	optical
Operation modes	stereo A, stereo B	stereo, mono	stereo, mono, bridge	stereo, mono, bridge	stereo, mono, bridge	stereo, mono, bridge	stereo, mono, bridge
Power requirements	230 V AC, 50 Hz	230 V AC, 50 Hz	230 V AC, 50 Hz	230 V AC, 50 Hz	230 V AC, 50 Hz	230 V AC, 50 Hz	230 V AC, 50 Hz
Dimensions (W x H x D) mm	483 x 44 x 330, 1 RU	483 x 44 x 330, 1 RU	483 x 44 x 330, 1 RU	483 x 88 x 330, 2 RU	483 x 44 x 380, 1 RU	483 x 88 x 405, 2 RU	483 x 88 x 405, 2 RU
Weight (kg)	5	7	7	10	10	18	19