



High technology Class-D power amplifiers line

Features:

- K** Over-light weight
- K** Compact design, 2U rack for 4 chs
- K** Optical limiters
- K** Electronically protected
- K** Over-high efficiency
- K** DSP on-board to drive all **K-array** products
- K** Remote control via RS-485 and dedicated management software
- K** Top quality components for outstanding performances
- K** Aluminium frame



Applications:

- K** Large scale events
- K** Touring sound reinforcement
- K** Stage monitoring systems
- K** Installations

The **KA** professional rack amplifier line has been designed to give answers to all the needs of touring and installation applications in which a large amount of power is needed together with the maximum flexibility, over low sizes and weight. The sophisticated electronics on-board allow to reach outstanding output power levels with over-high efficiency. DSP on-board (except in model "N") can provide perfect signal processing for all **K-array** products, providing safe working conditions and a large choice of dedicated presets to solve the most parts of the needs of high-end applications. A dedicated remote control ensures a constant connection with all the units, allows the total management of the presets installed and the possibility of the download of new ones.

Technical Details **KA10 - KA10N** **KA15 - KA15N** **KA40 - KA40N**

Technical Details	KA10 - KA10N	KA15 - KA15N	KA40 - KA40N
Output power			
Continuous 4Ω (0.5% THD)	390 W ¹	540 W ¹	1500 W ¹
EIAJ 4Ω (1% THD)	500 W ²	750 W ²	2000 W ²
Continuous 8Ω (0.5% THD)	240 W ¹	340 W ¹	1100 W ¹
EIAJ 8Ω (1% THD)	260 W ²	370 W ²	1200 W ²
Bridged - EIAJ 8Ω (1% THD)	1000 W ²	1500 W ²	4000 W ²
Audio Specs			
Slew Rate 8Ω	50V/uS	50V/uS	30V/uS
S/N Ratio	>105 dB/A	>105 dB/A	>108 dB/A
Distortion	<0.5 (THD, DIM, SMPTE)	<0.5 (THD, DIM, SMPTE)	<0.5 (THD, DIM, SMPTE)
Input impedance	20K bal. 10K unbal.	20K bal. 10K unbal.	20K bal. 10K unbal.
Gain	Variable	Variable	Variable
Output	Unbalanced to ground	Unbalanced to ground	Unbalanced to ground
Bandwidth	10 Hz - 30 KHz	10 Hz - 30 KHz	5 Hz - 25 KHz
Damping Factor 8Ω (100 Hz)	>500	>500	>300
Protections			
Thermal protection	Yes	Yes	Yes
Short circuit / over-load	Yes	Yes	Yes
Clip Limiter, Perm. signal limiter	Yes	Yes	Yes
Audio Input			
Connectors	male + female bal. XLR	male + female bal. XLR	male + female bal. XLR
Wiring	1=gnd 2=hot 3= cold	1=gnd 2=hot 3= cold	1=gnd 2=hot 3= cold
Remote control Input			
Connectors	2 x female 8 poles RJ45	2 x female 8 poles RJ45	2 x female 8 poles RJ45
Power Output			
Connectors	2 x SPEAKON 4 poles	2 x SPEAKON 4 poles	2 x SPEAKON 4 poles
Power Input			
Connectors	2 x PowerCon IN/OUT	2 x PowerCon IN/OUT	2 x PowerCon IN/OUT
AC power			
Operating range	EU 210 - 240 Vac 50Hz USA 100 - 120 Vac 60Hz	EU 210 - 240 Vac 50Hz USA 100 - 120 Vac 60Hz	85 - 270 Vac 50/60Hz universal with up to 400 Vac
Max continuous and burst current	EU 5A(>10s) - 10A(<1s) USA 10A(>10s) - 20A(<1s)	EU 6.3A(>10s) - 12A(<1s) USA 12A(>10s) - 24A(<1s)	universal with up to 400 Vac overvoltage tolerance 12A(>10s) - 24A(<1s)
Physical			
Measures	88(2U)x200(1/2Rack) x485mm	88(2U)x200(1/2Rack) x485mm	88(2U)x200(1/2Rack) x485mm
Weight	3.5 Kg	3.5 Kg	5 Kg

Notes for data

1. RMS Continuous Power, both channel driven on nominal load
2. RMS Power tested under the specifications of EIAJ standard, both channel driven on nominal load.

