

series



# POWER AMPLIFIERS

Featuring robust power, efficient operation, impressive specs, and excellent cost per watt performance: Kempton's KA amplifiers are the perfect power mates for PW and GT sound reinforcement speaker systems. Used in 4-ohm bridged applications the KA 2000 delivers 2000W, the KA 1200 1200W and the KA 800 800W. The KA Amplifier Series is the result of many hours of testing and performance involving Kempton's tech staff and users. The results are a sophisticated power amp circuit design featuring high power, superb quality, reliability and stability to provide the highest possible sound performance

### Amps with Class

KA 800 and 1200 are feature Class AB design, while KA 2000 is a Class H (2 steps) amp design. The KA Series power amps deliver high fidelity sound quality, high slew rate, wide full range frequency response and extremely low noise. These are the references of Kempton's KA Power Amplifiers.

### Features & Controls

Sophisticated protection circuits prevent improper tampering. A variable low noise, high speed fan provides for improved heat dissipation and to prevent thermal shutdowns. Balanced XLR and Jack input connectors. Professional 4-pin speakon and binding posts outputs. Stereo-Parallel-Bridge modes via switch. Selectable clipping control / limiter function switch. Selectable built-in 30Hz low pass filter to protect speaker systems from damage caused by subsonic frequencies. LED indicators for the output balance, as well as LED status indicators of signal (SIG) and clipping (CLIP). 2-unit 19" rack space design for universal rack mount installations.



### APPLICATIONS

Amplification for Live Sound Reinforcement Speaker Systems in Clubs, Discos, Piano Bars, Conference Halls, Houses of Worship, Sports Arenas, Schools, Theatres, Mobile D.J. use, Recording Studio Monitors, Foreground Music Reproduction, etc.

KA 800



KA 1200



KA 2000



Model		KA 800	KA 1200	KA 2000
<b>Power Specifications</b>				
STEREO MODE	Wrms	8ohm 200 / 250	300 / 350	560 / 650
	(Both channel driven - 1%thd)	4ohm 320 / 400	500 / 600	840 / 1000
Continuous/Impulsive		2ohm 400 / 450	650 / 750	1100 / 1250
BRIDGE MODE	Wrms	8ohm 600 / 720	940 / 1100	1500 / 1750
	Continuous/Impulsive	4ohm 750 / 800	1200 / 1350	1950 / 2200
<b>Electrical Specifications</b>				
Input Sensitivity	Wrms	1,3 (4,5dbu)	1,3 (4,5dbu)	1,3 (4,5dbu)
Voltage Gain	dB	30	32	34,5
Input Impedance	ohm	20K Balanced	20K Balanced	20K Balanced
Frequency Response @ -1db	Hz	20 - 40K	20 - 40K	20 - 40K
THD distortion (50% Pmax)	%	0,01	0,01	0,01
S/N Ratio (A weighted)	db	>100	>100	>100
consumption	VA	1200	1800	3000
<b>General Specifications</b>				
Class		AB	AB	H, 2step
Protections		Short circuit, Thermal		
Controls		FRONT: AC switch, Input levels REAR: stereo/parallel/bridge selector, 30Hz Hp filter, clip ON/Off		
Indicators		SIGNAL, CLIP, POWER led		
Connectors		IN: XLR and 6.3mm-Jack OUT: binding posts and NL4 speakons		
Power Supply		Available for 110-120VAC or 220-240VAC, 50/60Hz		
Cooling		Variable speed FAN		
Dimensions (WxDxH)	mm	438x400x88,8	438x400x88,8	438x400x88,8
	inch	17,24x15,74x3,49	17,24x15,74x3,49	17,24x15,74x3,49
Weight	Kg	14,4	16,5	19
	lb	31,74	36,37	41,88

