

## APPLICATIONS

Amplification for live sound reinforcement speaker systems in clubs, discos, piano bar, conference halls, houses of worship, sports arenas, schools, theatres, mobile D.J. use, recording studio monitors, foreground music reproduction, etc.

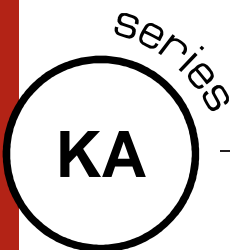
Tour tough built, sleek design, impressive specs, excellent cost per watt performance, efficient under any application.

With these credentials, KEMPTON proudly presents the new KA and KDA series of power amplifiers, the perfect power mates for sound reinforcement speaker systems.

The KA series consists in five 2HU rackmount models, from 800 to 3000 watts, all designed with sophisticated power amp circuits for improved quality, stability and reliability, all equipped with Stereo-Parallel-Bridge operation mode, dB sensitivity switch ( 26-29-32dB ), limiter, ground lift, XLR/Jack inputs ( plus extra RCA input on KA 802 ), Speakon/Binding posts outputs.

The KA 2403 is the perfect power amp solution for 2 speaker systems and 1 or 2 subwoofers: 3-channel circuitry, it features separate hi-low pass active crossover, sub-bass 50Hz EQ, limiter, ground lift, XLR/Jack combo inputs, Speakon Ch1, Ch2, Sub Bass outputs.

The KDA series is designed in 1 HU rackmount and are engineered in class D, PWM technology. Equipped with switching mode power supplies, these bright amplifiers are light and yet very powerful with 1000 and 2400 watts performance at 8 Ohm bridge mode. KDA 1002 and KDA 2402 provide also 30Hz HP filter, Stereo-Parallel-Bridge operation mode, dB sensitivity switch ( 26-29-32dB ).



## Power Amplifiers

KA 802



KA 1202



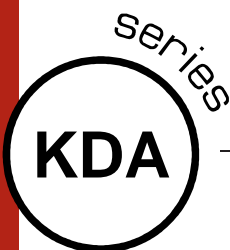
KA 2002



KA 3002



KA 2403



## digital Power Amplifiers

KDA 1002



KDA 2402



Worldwide Distribution



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# Technical Specifications

Potenza/Power/Puissance/Ausgang	KA 802	KA 1202	KA 2002	KA 3002	KA 2403	KDA 1002	KDA 2402
Entrambi i canali pilotati Both channels driven Deux canaux pilotés Beiden gesteuerten Kanälen	230/250 1% THD W RMS	340/350 Continuous / Impulsive	630/650 Continuous / Impulsive	880/950 Continuous / Impulsive	2 x 340/350 Continuous / Impulsive	250/300 Continuous / Impulsive	600/800 Continuous / Impulsive
Entrambi i canali pilotati Both channels driven Deux canaux pilotés Beiden gesteuerten Kanälen	350/400 1% THD W RMS	460/600 Continuous / Impulsive	840/1000 Continuous / Impulsive	1300/1500 Continuous / Impulsive	2 x 500/600 Continuous / Impulsive	400/500 Continuous / Impulsive	1000/1200 Continuous / Impulsive
Bridge 8 Ohm	700/800 W RMS	920/1200 Continuous / Impulsive	1680/2000 Continuous / Impulsive	2600/3000 Continuous / Impulsive	----- Continuous / Impulsive	800/1000 Continuous / Impulsive	2000/2400 Continuous / Impulsive
Sub 8 Ohm	W RMS	Continuous / Impulsive	Continuous / Impulsive	Continuous / Impulsive	1 x 550/650 Continuous / Impulsive	Continuous / Impulsive	Continuous / Impulsive
Sub 4 Ohm	W RMS	Continuous / Impulsive	Continuous / Impulsive	Continuous / Impulsive	1 x 1000/1200 Continuous / Impulsive	Continuous / Impulsive	Continuous / Impulsive
Risposta in frequenza Frequency response Réponse en fréquence Frequenzgang	20Hz-40kHz @-1dB	20Hz-40kHz	20Hz-40kHz	20Hz-40kHz	20Hz-40kHz	20Hz-36kHz	20Hz-36kHz
Classe Class	AB	H - 2 step	H - 2 step	H - 2 step	AB-ch. ST H step ch. SUB	D - PWM	D - PWM
Rapporto S/N Signal to noise ratio Rapport signal-bruit Verhältnis Signal-Geräusch	> 100dB A weight	> 100dB	> 100dB	> 100dB	> 100dB	> 100dB	> 100dB
THD	< 0,03% 50% Pmax	< 0,03%	< 0,03%	< 0,03%	< 0,03%	< 0,08%	< 0,08%
Damping factor	> 400	> 400	> 400	> 230	> 300	> 280	> 280
Impedenza di ingresso Input impedance Impédance d'entrée Eingangsimpedanz	20k balanced Ohm	20k balanced	20k balanced	20k balanced	20k balanced	20k balanced	20k balanced
Protezioni Protections Schutzeinrichtungen	Short circuit / Thermal	Short circuit / Thermal	Short circuit / Thermal	Short circuit / Thermal	Short circuit / Thermal	Short circuit / Thermal	Short circuit / Thermal
Alimentazione Power supply Alimentation Versorgung	120 or 230 Vac 50/60Hz	120 or 230 Vac 50/60Hz	120 or 230 Vac 50/60Hz	120 or 230 Vac 50/60Hz	120 or 230 Vac 50/60Hz	85-270 Vac 50/60Hz	120 or 230 Vac 50/60Hz
Potenza assorbita Power consumption Puissance absorbée Absorbierte Leistung	1000 VA	1300 VA	2400 VA	3600 VA	2800 VA	1200 VA	3200 VA
Connettori Connectors Connecteurs Ausgangssteck	IN: XLR/JACK OUT: SPEAKON / BINDING POST	IN: XLR/JACK OUT: SPEAKON / BINDING POST	IN: XLR/JACK OUT: SPEAKON / BINDING POST	IN: XLR OUT: SPEAKON	IN: XLR COMBO OUT: SPEAKON	IN: XLR OUT: SPEAKON	IN: XLR OUT: SPEAKON