

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).



KA series

KA

KEMPTON

Power Amplifiers

KA 802



KA 1202



KA 2002



KA 3002



KA 2403



KDA series

KDA

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	340/350	630/650	880/950	2 x 340/350	250/300	600/800
Continuous / Impulsive	1% THD W RMS	460/600	840/1000	1300/1500	2 x 500/600	400/500	1000/1200
Entrambi i canali pilotati Both channels driven Deux canaux pilotés Beiden gesteuerten Kanälen	350/400	920/1200	1680/2000	2600/3000	—	800/1000	2000/2400
Continuous / Impulsive	W RMS						
Bridge 8 Ohm	700/800				1 x 550/650		
Continuous / Impulsive	W RMS				1 x 1000/1200		
Sub 8 Ohm							
Continuous / Impulsive	W RMS						
Sub 4 Ohm							
Continuous / Impulsive	W RMS						
Risposta in frequenza Frequency response Réponse en fréquence Frequenzgang	20Hz-40kHz	20Hz-40kHz	20Hz-40kHz	20Hz-40kHz	20Hz-40kHz	20Hz-36kHz	20Hz-36kHz
@-1dB	AB	H - 2 step	H - 2 step	H - 2 step	AB-ch. ST H step ch. SUB	D - PWM	D - PWM
Classe Class							
Rapporto S/N Signal to noise ratio Rapport signal-bruit Verhältnis Signal-Geräusch	> 100dB	> 100dB	> 100dB	> 100dB	> 100dB	> 100dB	> 100dB
A weight	< 0,03%	< 0,03%	< 0,03%	< 0,03%	< 0,03%	< 0,08%	< 0,08%
50% Pmax	> 400	> 400	> 400	> 230	> 300	> 280	> 280
Damping factor							
Impedenza di ingresso Input impedance Impédance d'entrée Eingangsimpedanz	20k balanced	20k balanced	20k balanced	20k balanced	20k balanced	20k balanced	20k balanced
Protezioni Protections Schutzrichtungen	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
Dimensioni (LxA x P) Dimensions (W x H x D) Abmessungen (B x H x T)	482x88x290 19" x 3.5" x 11.4"	482x88x367 19" x 3.5" x 14.4"	482x88x452 19" x 3.5" x 17.8"	482x88x458 19" x 3.5" x 18"	482x88x460 19" x 3.5" x 18.1"	482x44x214 19" x 1.73" x 8.4"	482x44x307 19" x 1.73" x 12"
mm inch							