

KF12s

High tech ultra-light powered 18" subwoofer with power output

Redline

array
K

DATASHEET

Features:

- Unique performance-to-size ratio
- High power 127dB continuous, 133dB peak
- Fitted with integral handles and castors
- Direct radiating, long excursion 18" driver
- Integrated 35mm pole adapter
- Ultra fast set-up and dismantling system

Applications:

- Theatrical sound reinforcement
- Concert halls, clubs, houses of worship
- Portable and installed audio-visual systems
- Cinema and special effects
- * Optimized for KR200 or KL18 speakers



The KL18ma is a high performance powered sub-bass system designed for use with small to medium wavefront systems, in both touring and install applications. The KL18ma includes a powered and DSP processed powered output channel, designed for KR200 ultra slim satellite or KL18 passive 18" subwoofer. It features a 1600 watt 18" drive unit with magnet structure and suspension engineered for maximum linear excursion.

The ultra-light reflex cabinet is fitted with two pocket handles and one 35mm pole mounting point for easy installation with every satellite speaker on it. It features large area porting to reduce air noise.

The KL18ma is ideal for medium throw applications, like theaters, concert halls, AV installations.

All the KL18ma components are designed by K- array R&D department and custom made under K-array control quality system.

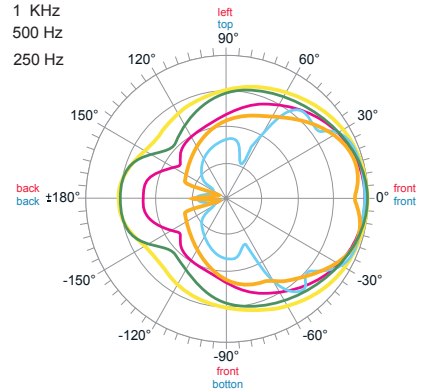
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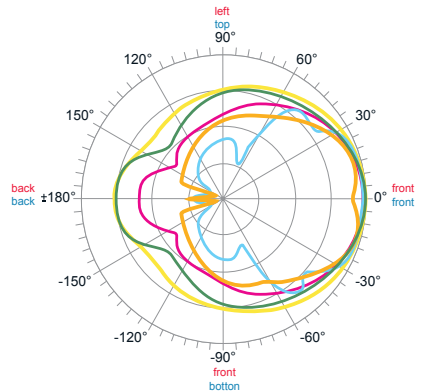
KF12s (Specifications for one side system)	
Acoustics	
Speakers power handling	800 (KL18) W ^(AES) 800 + 200 (KF12) W ^(AES)
Maximum amplifier power	2 x 1200 W ¹
Impedance	8Ω (KL18) 8Ω + 8Ω (KF12)
Frequency range	30 Hz - 19 KHz.
SPL 1W/ 1mt	97 dB (KL18) 101 dB (KF12) ²
Maximum SPL	127 dB continuous - 133 dB peak
Coverage	
Horizontal	70°
Vertical	70°
Crossover	
Type	DSP controlled
Frequencies	1.2 KHz (KF12) 150Hz Low Pass (KL18)
Transducers	
Low frequency	1 x 12" Neodymium speakers with 3" voice coil
Mid - High frequency	1 x 1" Neodymium coaxial compression drivers with 3" voice coil
Audio Input	
Connectors	male + female parallel 3-pin balanced XLR 2 x parallel 4-pin speakon (KL18)
Wiring	Pin1 = ground / Pin2 = hot (+) / Pin3 = cold (-)
Power Audio Output	
Connector	1 x 4-pin speakon (KF12) + 2 x parallel 4-pin speakon (KL18)
Remote control Input	
Connectors	1 x female 8-pin RJ45
Power Input	
Connectors	2 x PowerCon IN/OUT
Amplifiers	
Type	1 modules class D - DSP controlled
Power	1000 W x 2 channel (2000 watt total) ³
Protection	Dynamic limiter, over current, over temp, short circuits
AC power	
Operating range	210 - 240 Vac 50Hz (default) 100 - 120 Vac 60Hz (selectable)
I.nom	5.5 A / 115 Vac - 3.6 A / 230 Vac
Minimum operation voltage	95 Vac - 195 Vac
Maximum operation voltage	125 Vac - 205 Vac
Max continuous and burst current	Default 12A(>10 sec) - 24A (<1 sec) Selectable 20A(>10 sec) - 40A (<1sec)
Physical	
Dimensions	KF12: 32.5 x 33.5 x 33.8 cm (12.91" x 13.19" x 13.31") KL18: 46.5 x 47.5 x 61 cm (18.31" x 18.70" x 24.02")
Weight	KF12: 11.8 Kg (26.01 lbs) KL18: 26.6 Kg (58.64 lbs)

DISPERSION GRAPHS

— 8 KHz
— 4 KHz
— 1 KHz
— 500 Hz
— 250 Hz



horizontal



vertical

Notes for data

1. Maximum RMS applicable power for a musical signal, the reference signal is the one proposed by EIAJ standard.
2. Measured @4 mt then scaled @1 mt
3. Amplifier wattage rating is based on the maximum unclipped burst sine wave RMS voltage that the amplifier will produce into the nominal load impedance.

New materials and design are introduced into existing products without previous notice. Present systems may differ in some respects from those presented in this brochure.