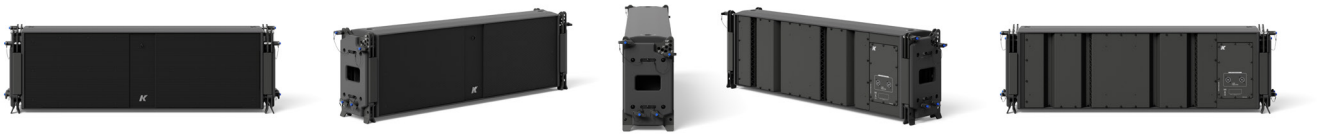
K-ARRAY
Unique Audio Solutions

Mugello-KH3P1

Medium-format passive line array element





Description

Incredibly flat and lightweight, the new Mugello-KH3P1 is the medium line array element in K-array Mugello Series. The passive speaker is comprised of two 12" neodymium magnet woofers each with a 2.5" voice coil and two compression drivers with a 2.5" voice coil.
Up to 3x Mugello-KH3P1 passive line array elements can be driven by a single active Mugello-KH31 thanks to its powerful four-channel Class-D 1500W @ 4Ω amplifier module with DSP.

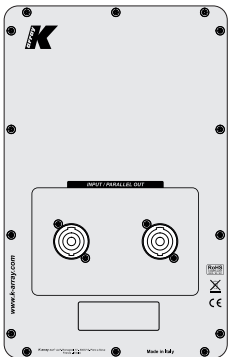
The Slim Array Technology of the Mugello-KH3P1 allows for a better impulse response and guarantees unique cardioid polar pattern over its entire frequency range. The Mugello-KH3P1 passive line array speaker is tailored for applications where lightweight, modularity and high power density in a compact form factor are needed.

- 2x 12" neodymium magnet woofers with 2.5" voice coil
- 2x horn loaded compression drivers with 2.5" voice coil
- Bi-amplified: High 250 W_{peak} @ 16 Ω | Low 1200 W_{peak} @ 8 Ω
- Accessories available for ground stacking and suspended array configurations
- Mechanically compatible with Thunder-KS line subwoofers
- Available in black and custom RAL color.



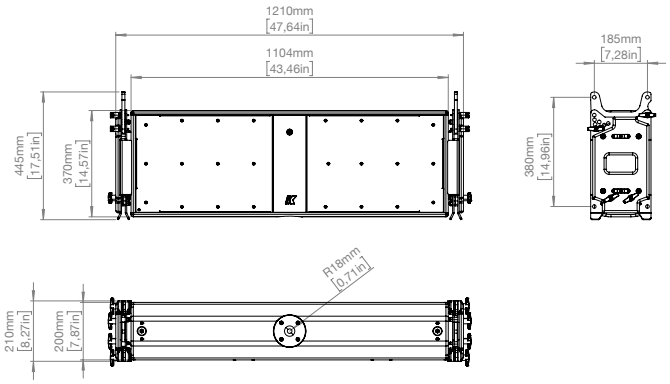
Suspended configurations with optional flybars.

Mugello-KH3P I

Technical specifications	
Type	Passive line array element
Transducers	2x 12" neodymium magnet woofers with 2.5" voice coil 2x horn loaded compression drivers with 2.5" voice coil
Frequency Response [1]	120 Hz – 19 kHz (-6 dB)
Max SPL [2]	144 dB peak
Coverage	V. 20° digitally adjustable in array I H. 110°
Power handling	Bi-amp: HF: 250 W_{peak} LF: 1200 W_{peak}
Nominal Impedance	HF: 16 Ω LF: 8 Ω
Connectors	Speaker input/parallel output 2x SpeakON NL4 HF: IN and Link 1+/1- LF: IN and Link 2+/2-
Rear Panel	

Handling & Finishes	
Material	Polyurea coated birch plywood
Colors	Black, Custom RAL
IP Rating	IP53 [3]
Dimensions (WxHxD)	net dimensions: 735 x 285 x 200 mm (28,94 x 11.22 x 7.87 in) with rigging hardware : 831 x 285 x 210 mm (32.7 x 11.22 x 8.27 in)
Weight	38,6 kg / 85 lb with rigging hardware

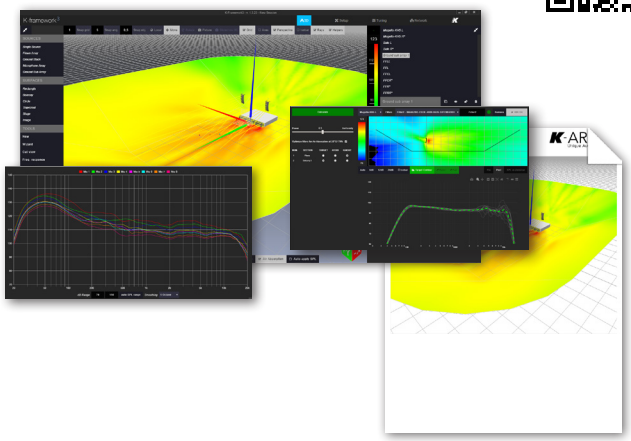
[1] With dedicated preset.
[2] Maximum SPL is calculated using a signal with crest factor 4 (12dB) measured at 8 m then scaled at 1 m.
[3] More complete water protection with K-AMPCOVER accessory.



Accessories	
K-HCFLY35 I	Flybar for suspended installations
K-STEPM5 I	Flybar for step array suspended installations
K-HCBASE	Ground stacking hardware for KH3 I / KH3P I and KH5 I / KH5P I
K-HCFLYST	Straight cluster fly bar for KH3 I / KH3P I and KH5 I / KH5P I
K-HCLINK2/35	Adapter for joining KH2 at the bottom of a cluster of KH3 I or KH5 I
K-HCDOLLY35 I	Dolly for 6 KH3 I / KH3P I or KH5 I / KH5P I

K-framework3 is the managing and control software dedicated to professionals and operators looking for a powerful tool for designing and managing a large number of units over a wired LAN in demanding applications.

WINDOWS and OSX software
K-framework3
click to go



Notes:
Passive loudspeakers require dedicated presets loaded onboard K-array amplifiers.
New materials and designs are introduced into existing products without previous notice.
Present systems may differ in some respects from those presented in this catalog.