



Python KP52

3D line-array element,
variable beam speaker

FEATURES

- Unique performance-to-size ratio
- Vertical, Horizontal and 3D line-array applications
- Multiple 3.15" long-excursion full-range cone drivers
- Wide horizontal coverage
- Electronically protected
- Selectable 8 Ohm or 32 Ohm impedance
- Selectable vertical pattern (Spot - Flood)
- Weather proof, suitable for outdoor installations - IP54

APPLICATIONS

- Theatre, Club, House of worship
- Front fill and under-balcony fill
- Portable and installed AV systems
- Stage and AV studio monitoring

ACCESSORIES

K-BASE2, K-FLY2, KP-CLUSTER2, K-FOOT2, K-JOINT2, KP-STAGE, K-WALL2L, K-WALL2, K-KCLAMP/S, K-KCLAMP,

COLORS AVAILABLE

BLACK  WHITE 



DESCRIPTION

The K-array KP52 is a passive speaker system comprised of six 3.15" neodymium magnet transducers housed in an elegant and sturdy stainless steel chassis. The vertical dispersion pattern can be switched for wide or narrow coverage, allowing for a great variety of applications. The six closely spaced cone drivers provide true line array characteristics - phase coherence, low distortion and focused listening in both the near field, and at a distance from the speaker. A variety of rigging accessories provides many linking and hanging options for the KP52 (0.5 meter) and the larger (1 meter) KP102 to be combined in vertical and horizontal line array configurations to satisfy many different venue requirements during temporary events and for permanent installations.

For easier use and integration with other speakers or amplifiers, the KP52 allows the user to select two different values of

impedance (8Ω - 32Ω). At 32Ω as many as 4 KP52 speakers can be powered off a single amplifier channel at 8 Ω (up to 8 units @ 4Ω), which eliminates the need of 70 V amplifiers for wider distributed installed systems.

The KP52 is able to reproduce the whole vocal frequency range with high intelligibility, starting from 100 Hz. Integrating one of the K-array powered subwoofers (KMT12, KMT18, KMT21), configured with specific presets for the KP52 assures excellent coverage of the entire musical frequency range.

The K-array KA amplifier series have presets optimized for KP52.

All KP52 components are designed by the K-array R&D department and custom-made under the K-array quality control system.

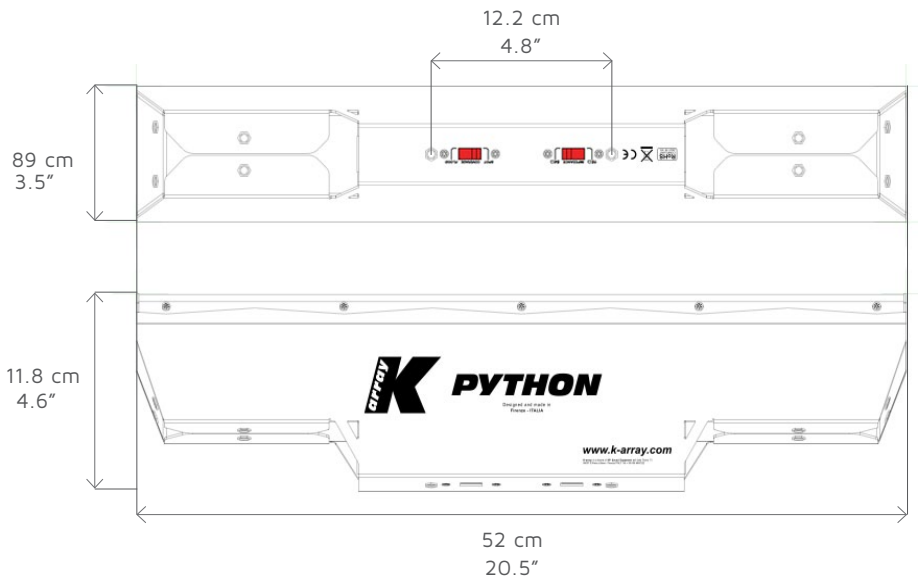


	ACOUSTICS		TRANSDUCERS
Power handling	360 W ^(AES)	Full range	6 x 3.15" Neodymium magnet with 1" voice coil
Max power	600W		SELECTION SWITCHES
Frequency Range	100 Hz – 20 kHz (- 10dB) ⁽¹⁾	Impedance	8 Ω / 32 Ω
Impedance	8 Ω / 32 Ω (selectable)	Coverage	Spot / Flood
SPL 1W/1mt	96 dB ⁽²⁾		POWER AUDIO INPUT/LINK
Maximum SPL	122 dB (cont.) – 128 dB (peak)	Connector	2 x 4-pin Speakon
	COVERAGE	Wiring	1+ 1- (signal IN & LINK); 2+ 2- (through)
Horizontal	90°		RECOMMENDED AMPLIFIERS
Vertical	10°- 45° (selectable)	Type	KA24, KA84, KMT
	CROSSOVER		CERTIFICATION
Type	External Crossover required	IP	54
Frequency	100 Hz, 24 dB/oct suggested minimum		PHYSICAL
		Dimensions	8.9 x 52.0 x 11.8 cm (3.5" x 20.5" x 4.6")
		Weight	5.8 kg (12.8 lbs)

Notes for data

1. With dedicated preset;
2. Measured @4 mt then scaled @1 mt;
3. Measured with musical signal

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



ARCHITECT SPECIFICATIONS

The mid-high passive speaker shall be one of the most compact in the market with a remarkable power, compared with the size. It shall consist of six 3.15" long-excursion full range cone drivers with a neodymium magnet assembly mounted in a 52 cm (20.5") array on a sturdy turned aluminum cabinet enclosure which shall be all weather resistant and durable and suitable for both outdoor and indoor applications. The speaker shall allow settings of two different impedance values, for a higher or lower impedance use (8Ω / 32Ω if possible). The loudspeaker shall only be operated by a compatible amplifier with dedicated presets loaded

onboard. The cones shall be protected only by a rigid metal grill and without any other backing material that could effect the quality and safety. The cabinet of the speaker shall feature a dedicated aluminum bracket or two different threaded anchor points to be installed on a wall or under a ceiling. The speaker shall be able to be integrated with other units of the same model and, when required, with a suitable subwoofer to extend its frequency range for more demanding applications. The connectors shall be recessed and fitted with two 4-pin Speakon sockets. The loudspeaker shall have a nominal horizontal dispersion angle of 90° and a

vertical one of 10°/45° in order to avoid unpleasant acoustic reflections from both the ceiling and the floor. The power handling capacity shall be 360W^{AES} with a max power of 600 W^{RM5}. The frequency response (+/- 10dB) measured on axis shall be 100 Hz to 20 kHz with a maximum sound pressure of 128 dB (peak). The speaker shall be as invisible as possible and shall be easily integrated in any kind of environments and surfaces. The dimensions (WxHxD) shall not exceed 89 x 520 x 118 mm (3.5" x 20.5" x 4.6") and shall weigh no more than 5.8 kg (12.8 lbs). The loudspeaker shall be the KP52 by K-array surl.

