

Description

K-array's flagship series, Mugello consists of incredibly flat and lightweight solutions that boast impressive power, intelligible control and high quality performance.




Equipped with Slim Array Technology, the Mugello loudspeakers have a minimal footprint and their compact design allows for a better impulse response and K-array's Electronic Beam Steering technology gives the Mugello line ability to digitally direct the dispersion of the sound beams to ensure the same listening experience to all the audience.

Other important features include an onboard touch screen, various stacking and hanging positions, weather resistance and integrated DSP with multiple

analog and digital inputs. And with the K-dante accessory, the system can be used in Dante network.

The Mugello-KH3 is the medium format mid-high line array element offered in our Concert Series. The self-powered speaker is comprised of two 12" neodymium magnet woofers with a 2.5" voice coil each and two compression drivers with a 2.5" voice coil each.

Boasting the most versatile size of the Mugello line, the Mugello-KH3 has the ability to drive sound further, ensuring exceptionally high performance with a peak SPL of 138 dB perfect for a variety of applications of medium scale.

Colors		Features			Frequent Applications	
Black		Slim Array Technology (SAT)	Onboard Touch Screen		Concerts & Live Events	Theme Parks
White		Electronic Beam Steering (EBS)	Weather Resistant		Theaters & Auditorium	Large Congregations
Custom		Dante Compatible	Remote Setup and Monitoring		Stadiums & Sport Venues	Nightclubs & Lounges

Accessories					
K-HCBASE	K-DANTE	K-HCDOLLY35	K-HCFLY	K-HCFLYST	K-HCLINK2/35

Technical Specifications

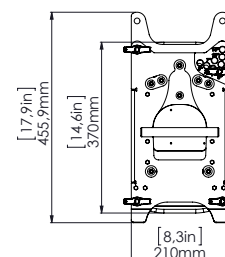
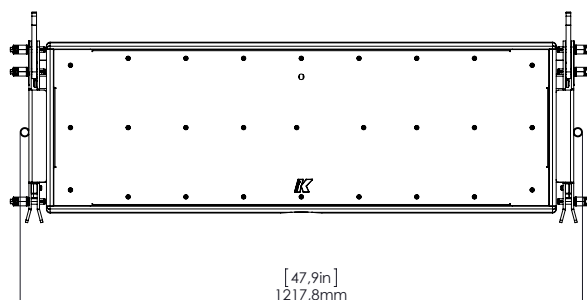
General	
Type	Line array element
Transducers	2x 12" neodymium magnet woofer with 2.5" voice coil 2x compression driver with 2.5" voice coil
Frequency Response	120 Hz – 19 kHz (-6 dB) ¹
Maximum SPL	138 dB (peak) ²
Coverage	110° horizontal; 20° vertical (preset dependent)

Internal Processing	
Input Sample Rate and Resolution	Up to 96 kHz @ 24 bit with internal SRC and jitter correction
Built-in DSP	Input gain, delay up to 330 ms 8 full parametric IIR filters (Peaking, Shelving, Hi/Lo pass, Hi/Lo Butterworth) FIR filter for electronic beam steering Onboard presets Level and temperature remote monitoring

Internal amplifier module	
Type	2 ch., switch-mode class D
Peak Output Power	2x 1600 W @ 4 Ω 1% THD+N ³
Operating Range	100-240V AC, 50-60 Hz with PFC
Power Consumption	300 W @ 8 Ω load, Pink noise 1/8 rated power
Protections	Over Temp. (Power Limiting – Thermal Shutdown), Short Circuit/Overload Output Protection, Power Limiting, Clip Limiter/Permanent Signal Limiter, High Frequency Protection
Mains Connector	powerCON with link inlet

Controls and Connectivity		
Controls	Remote control with dedicated PC software via USB or RS485 Onboard touch screen display	
Connectivity	Analog: 2x XLR (bal) input signal 2x XLR (bal) parallel output Digital: 1x XLR AES3 input 1x XLR AES3 output	Remote connectivity: 1x XLR RS485 serial input 1x XLR RS485 serial output 1x USB-B inlet MAINS: 1x powerCON 1x powerCON link

Handling and Finish	
Dimensions (WxHxD)	1218 x 456 x 210 mm (47.9 x 17.9 x 8.3 in) with rigging hardware 1104 x 370 x 200 mm (43.5 x 14.5 x 7.9 in) net dimensions
Weight	43.6 kg / 96.12 lbs (with rigging hardware)
IP rating	20 (53 with K-AMPCOVER accessory)



Notes for data:

1. With dedicated presets.
2. Maximum SPL is calculated using a signal with crest factor 4 (12dB) measured at 8 m then scaled at 1 m
3. EIAJ sine wave 8/32 burst

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.

