



## Description

The K-array Mugello-KS5 is a self-powered subwoofer. It is best suited for high-power extended bass response applications in arenas, theatres, stadiums, concert halls, houses of worship and outdoor events.

The 21" loudspeakers feature neodymium magnets with 5.3" voice coils driven by powerful Class D amplifiers. The large ports are designed to be fully symmetrical to the speakers, which means the back loading on the drivers is consistent and even with no port air turbulence. The triangle port construction also provides excellent structural integrity and strength, effectively eliminating any box resonance.

The rear panel provides balanced analog and digital AES3 inputs and serial RS485 connectivity for complete remote control over the full featured integrated DSP.

With the Mugello-KS5 the gradient/cardioid configuration and end-fire arrangements are made easy: with up to 330 ms of delay and eight among PEQ, Raised cosine and Shelving filters, the Mugello-KS5 is a full fledged subwoofer matching any system configuration, being employed as a single point source or in arch array subwoofer systems.

All Mugello-KS5 components are designed by the K-array R&D department and custom-made under the K-array quality control system to make the Mugello-KS5 subwoofer the perfect companion to the Mugello Series loudspeakers.

Colors	Premium Finishes	Features	Frequent Applications	
Black 		DSP on-board	Touring, Festivals, Concerts & Live	Theaters & Concert Halls
		Remote setup an monitoring	Large Congregations	Event Productions
			Stadiums & Sport Venues	Nightclubs

Accessories					
K-POLE1	K-WHEEL	K-WHEELB	K-COVERS5		

## Technical Specifications

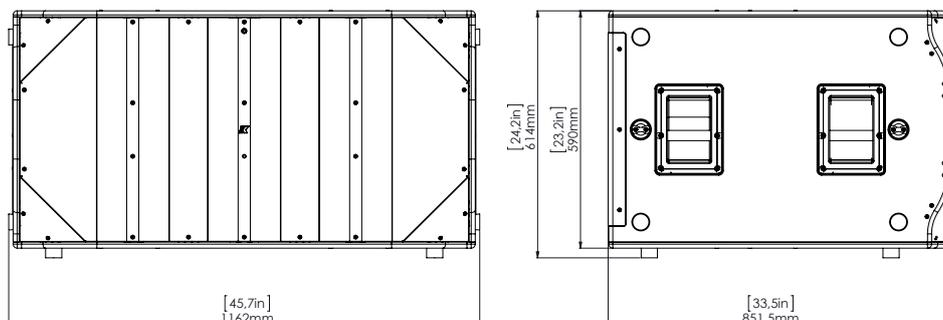
General	
Type	Subwoofer
Frequency Response	25 Hz – 120 Hz (-6 dB) <sup>1</sup>
Transducers	2x 21" Neodymium magnet woofer with 5.31" voice coil
Maximum SPL	141 dB (peak) <sup>2</sup>
Crossover	Internal DSP presets (120 Hz maximum)
Coverage	Omni

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), On-board preset, Level and Temperature remote monitoring

Internal amplifier module	
Type	2 ch. switching-mode, class D
Peak output power	2 X 3500 W @ 2 Ω 1% THD+N <sup>3</sup>
Operating range	100-240V AC, 50-60 Hz with PFC
Power consumption	600 W @ 4 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 True with link inlet

Controls and Connectivity			
Controls	Remote control with dedicated PC software via USB or RS485. On-board touch screen display.		
Connectivity	<table border="0"> <tr> <td>                     Analog:                      2x XLR (bal) input signal                      2x XLR (bal) parallel output                       Digital:                      1x XLR AES3 input                      1x XLR AES3 output                 </td> <td>                     Remote connectivity:                      1x XLR RS485 serial input                      1x XLR RS485 serial output                      1x USB-B inlet                       MAINS:                      1x powerCON                      1x powerCON link                 </td> </tr> </table>	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
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Handling and Finish	
Dimensions (WxHxD) <sup>4</sup>	1162 x 590 x 851 mm (45.7 x 23.2 x 33.5 in)
Weight	104.4 kg (230.16 lb)
IP rating	20 (53 with K-AMPCOVER accessory)



Notes for data:

1. With dedicated preset.
2. Measured with musical signal with crest factor 4.
3. EIAJ sine wave 8/32 burst.
4. Net dimensions, without 24 mm (1 in) removable rubber feet

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.

