



SPECIFICATIONS KF761

DESCRIPTION

The KF761 is part of the KF760 Line Array Series. The KF760 Series uses advanced divergence shading where all loudspeakers are powered at equal level. A full KF760/KF761 array can provide uniform sound coverage from directly beneath itself out to hundreds of feet without complex signal processing. Vertical coverage for the array is set by varying the splay of the rear of the enclosures, leaving the fronts tight-packed. This configuration produces a continuous, coherent wavefront from the array, projecting extended range, high resolution sound over its full coverage area.

Fully professional construction features include Baltic birch plywood enclosures, heavy-duty steel grilles, Neutrik NL8 connectors, heavy duty bar handles, rear hand-holds, and accessory caster pallets. Six Year Warranty.

APPLICATION

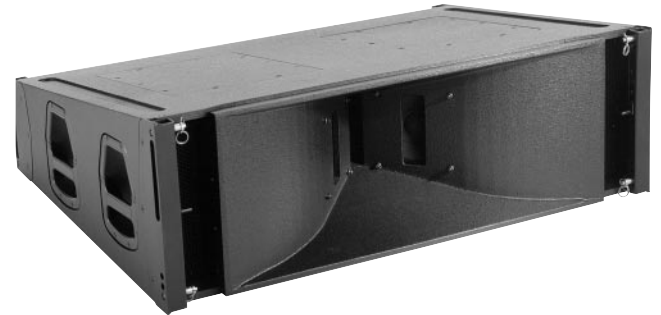
This high output touring system is scalable from theaters under 1,000 seats to stadiums. The KF761 has two applications. KF761s are designed to supplement KF760s in an array to provide near-field coverage for distances less than 70 feet. The KF761 can also be used as part of a KF761-only array for applications with coverage distances up to about 100 feet. The minimum KF761 array size is four enclosures for full performance. When used with KF760s they can be used singly or in multiples depending on the coverage needed. For extending the low frequency response, KF940 bent horn subwoofers are an ideal complement to KF761s or a KF760 Series array.

Applications include:

Arenas	Convention Centers	Large Ballrooms
Stadiums	Theaters	Music Pavilions
Auditoriums	Outdoor Events	

PERFORMANCE

Frequency Response (Hz)	
±3 dB (1) Enclosure Array	80 Hz to 16 kHz
±3 dB (4) Enclosure Array	60 Hz to 16 kHz
Axial Sensitivity (dB SPL, 1 Watt @ 1m)	
LF Single Enclosure	96
MF Single Enclosure	107
HF Single Enclosure	112
Impedance (Ohms)	
LF	2x 8
MF	8 (2@16 Ohm each)
HF	8
Power Handling (Watts Continuous)	
LF	2000
MF	500
HF	150



Recommended High-Pass Frequency	
24dB/Octave	40 Hz
Calculated Maximum Output (dB SPL @ 1m)	
Single Enclosure	
LF Peak	135
MF Peak	1407
HF Peak	140
LF Long Term	129
MF Long Term	134
HF Long Term	134
Nominal Coverage Angle, -6 dB points (degrees)	
Horizontal	100
Maximum Vertical Splay	12

PHYSICAL

Product Group	S	
System Configuration	3-way, full range	
Powering	Tri-amplified	
LF Subsystem	2x 12-in woofers, horn-loaded	
MF Subsystem	2x 8-in cone, slot-loaded	
HF Subsystem	2-in exit/3-in voice coil compression driver, horn-loaded	
Enclosure (shape)	Horizontal trapezoid	
Enclosure Materials	Exterior grade Baltic birch plywood	
Finish	Wear-resistant black textured paint	
Connectors	2x Neutrik NL8	
Suspension Hardware	Proprietary EAW rigging system	
Grille	Powder coated perforated steel	
Dimensions		
	inches	millimeters
Front Height	14.5	368
Rear Height	8.3	210
Width	45.0	1143
Depth	30.8	784
Trapezoid Angle	6 degrees top and bottom	
Weights		
	pounds	kilograms
Net Weight	206	93.4
Shipping Weight	214	97.1

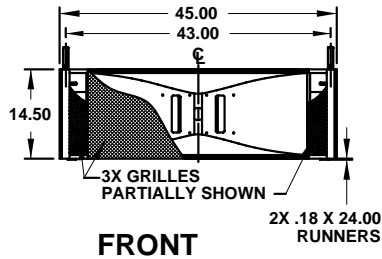




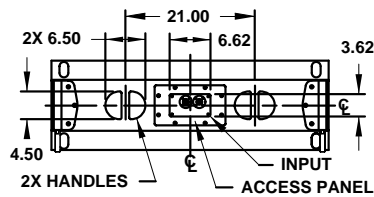
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DIMENSIONAL DRAWING

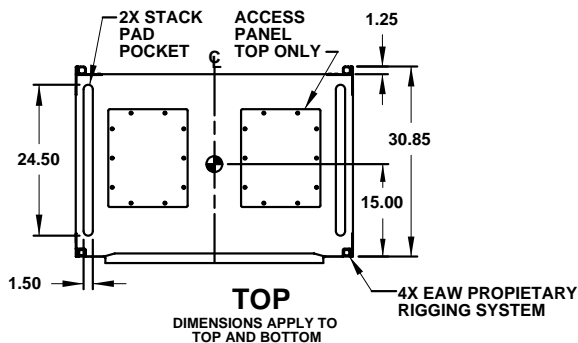
⊕ SYMBOL INDICATES CENTER OF BALANCE.



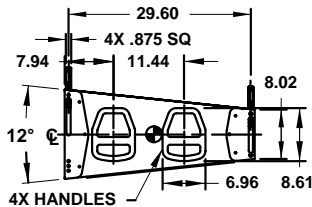
FRONT



BACK



TOP



RIGHT SIDE

DIMENSIONS APPLY TO BOTH SIDES

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6/28/01

A & E SPECIFICATIONS

The tri-amplified, three-way full range loudspeaker system shall incorporate 2x 12-in LF transducers, 2x 8-in slot-loaded cone transducers and a 2-in exit/3-in voice coil compression driver, also horn-loaded.

The LF transducers shall each be loaded into a proprietary bent-horn, with the horn mouths horizontally separated to provide controlled off-axis cancellations to match the MF beamwidth through the crossover region. The MF transducers shall both be coupled into a single large format horn. The HF transducer shall be coupled to an HF horn coaxially mounted with, and extended by, the MF horn. The system shall have a nominal dispersion pattern of 100° (h) when used as part of a KF760 or KF761 line array.

System frequency response shall vary no more than ± 3 dB from 80Hz to 16kHz measured on axis. The single loudspeaker's subsystems (LF/MF/HF) shall produce Sound Pressure Level (SPL) of 96/107/112 dB SPL on axis at 1 meter with a power input of 1 Watt, and shall be capable of producing a peak output of 135/140/140 dB SPL on axis at 1 meter. The subsystems (LF/MF/HF) shall handle 2000/500/150 Watts of amplifier power (continuous) and shall have nominal impedances of 2x 8/8/8 Ohms.

The loudspeaker enclosure shall be trapezoidal in shape. It shall be constructed of void-free cross-grain-laminated Baltic birch plywood and shall employ extensive internal bracing. It shall be finished in wear-resistant textured black paint. Input connector shall be a Neutrik NL8 with an additional NL8 provided for connect through. Proprietary rigging is provided for arraying. The front of the loudspeaker shall be covered with a powder coated perforated steel grille.

The tri-amplified, three-way full range loudspeaker system shall be the EAW model KF761.

Manufacturing tolerances are +/- 0.13 and +/- 1°



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