

EA62-2

product group: EagleArray Touring Class (FLYING)
system type: Horn-Loaded 12" Mid + 2" HFD

construction

The EA62-2 is a horn loaded, high Q, 2-way high/mid system in a computer optimized enclosure. Loudspeaker complement consists of single proprietary midrange 12" and a single Unified Titanium Diaphragm™ compression driver. Waveguides utilize McCauley ClearFiber™ biaxially-stitched horn manufacturing technology. The enclosure is constructed of durable 12-ply void-free birch laminate, dadoed for strength and durability. The EA62-2 is configured with industry standard ProTrack™ flyware. Perforated steel is employed for frontal protection of the loudspeaker complement.

Features:

- McCauley Premium Class Componentry**
- 12 ply Dadoed Construction**
- Durable ProCoat™ Elastomeric Finish**

the idea behind it

The EA62-2 was designed as a dedicated high/mid system for flown concert sound touring arrays. Optional removable castor pallets facilitate load-in / out. Its extraordinary acoustic quality is a direct result of the implementation of McCauley's proprietary UTD™ technology, landing this system our highest performance rating. This system integrates with other McCauley touring products, offering consistent coverage and a uniform appearance.

Applications:

- Concert Tours**
- Outdoors Event Sound**



performance parameters

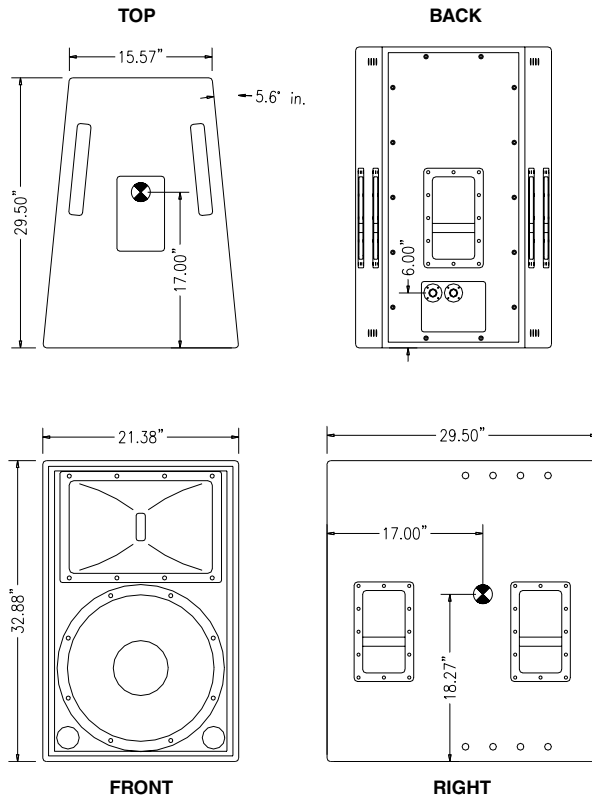
physical properties

power handling	450w RMS	weight	165lbs / 75kgs
frequency response	70Hz - 20kHz	dimensions	31H x 21W x 30D
nominal impedance		<small>inches</small>	77H x 54W x 74D
<small>Mid</small>	8Ω	<small>centimeters</small>	
<small>High</small>	16Ω	finish	ProCoat™
sensitivity		enclosure material	5/8" 12-ply Finland Birch
<small>Mid</small>	106db	construction	rabbet & dadoed
<small>High</small>	115db	suspension	multipoint ProTrack™
maximum output SPL		connectors	parallel NL4
<small>Continuous</small>	132db	transducers	(1) 12" Midrange
<small>Peak</small>	148db	recommended subwoofer	(1) UTD™ HF Driver
recommended crossover	80Hz / 1kHz		
directivity/coverage	45°x40° (HxV)		

technical specifications

EA62-2
2-WAY MID/HIGH TOURING CLASS

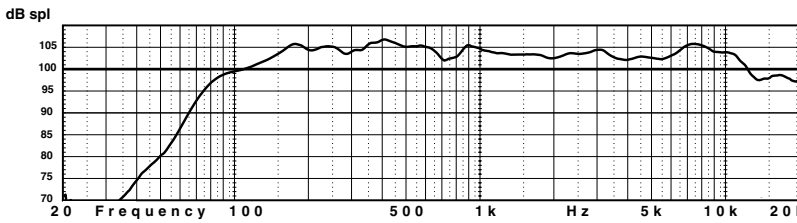
dimensional illustrations



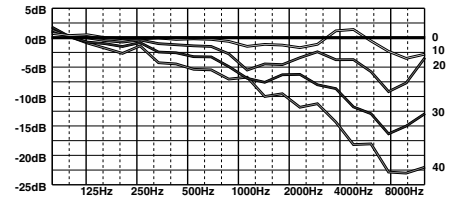
architectural specifications

The loudspeaker shall be a two-way horn loaded "Long Throw" type. It shall comprise one low/mid ClearFiber™ horn section utilizing a 12" transducer and one high frequency ClearFiber™ horn flare utilizing a 2" throat compression driver. The 12" low/mid transducer shall incorporate low distortion carbon fiber cone technology and the "Focused Field" removable magnet structure design. They shall have a power capacity of 300 watts RMS and 600 watts peak and a sensitivity of 106 dB measured at 1 meter with 2.83 volts into a nominal 8 ohm load. The high frequency driver shall incorporate "Unified Titanium Diaphragm" technology with a power handling capacity of 150 watts RMS above 1.5kHz and a sensitivity of 115 dB measured at 1 meter with 2.83 volts into a nominal 16 ohm load. The combined loudspeaker system shall be capable of 132 dB SPL continuous and 138 dB SPL peak maximum output. The loudspeaker system shall have an effective operating range of 100 Hz to 18 kHz +/- 3 dB (70Hz to 22 kHz - 10 dB). The loudspeaker shall offer nominal coverage angles of 45° horizontal, and 40° vertical. The EA52-2 shall weigh a total of 165 lbs. and shall measure 33 inches tall, 21.4 inches wide (15.2 inches at rear), 29.5 inches deep with a trapezoidal shape and the sides shall be angled at 5.6° from front to back. The EA62-2 enclosure shall be constructed of 12-ply birch hardwood and shall have a weather and wear resistant ProCoat™ elastomeric finish. Electrical connections shall be made via paralleled NL-8 connectors. The loudspeaker shall be the McCauley EA62-2.

response data



on axis response (2.83v@1m, free-field conditions)



off axis response (normalized to on axis response)

polar data

Outer ring is +6dB, each ring represents an additional -6dB down. For vertical plots, 90° represents the top of an enclosure, 270° is the bottom.

