

SA122-2

product group: Stage Performance (GROUNDSTACK)
system type: Dual Direct Radiating 12"s + 2" HFD



construction

The SA122-2 is a 2-way mid/high system in a computer optimized enclosure. Loudspeaker compliment consists of twin proprietary midrange 12"s, individually loaded into separate sub-compartments, and a single 2" compression driver mounted on a 90°x40° horn. The enclosure is constructed of durable 9-ply void-free birch laminate, dadoed for strength and durability. Perforated steel is employed for frontal protection of the loudspeaker compliment.

Features:

Switchable Passive to Biamp Crossover
McCauley Performance Class Componentry
9 ply Dadoed Construction
Durable ProCoat™ Elastomeric Finish



the idea behind it

The SA122-2 was designed as multipurpose, dedicated mid /high range "workhorse" system for medium to large scale stage sound reinforcement duty. Its durable construction reliable performance make this system an excellent choice for many pro sound companies. Optional removable castor pallets facilitate load-ins/outs while the steel handles are positioned for optimal leverage. This system integrates with other McCauley SA™ and AC™ products, offering consistent coverage and a uniform appearance.

Applications:

Live Performance Venues
Multipurpose Rental P.A.
Fairgrounds



Trapezoidal



Groundstack

performance parameters

power handling	750w RMS
frequency response	70Hz - 18kHz
nominal impedance	
Mid	4Ω
High	16Ω
sensitivity	
Mid	106db
High	111db
maximum output SPL	
Continuous	132db
Peak	138db
recommended crossover	80Hz / 1kHz
directivity/coverage	90°x40° (HxV)

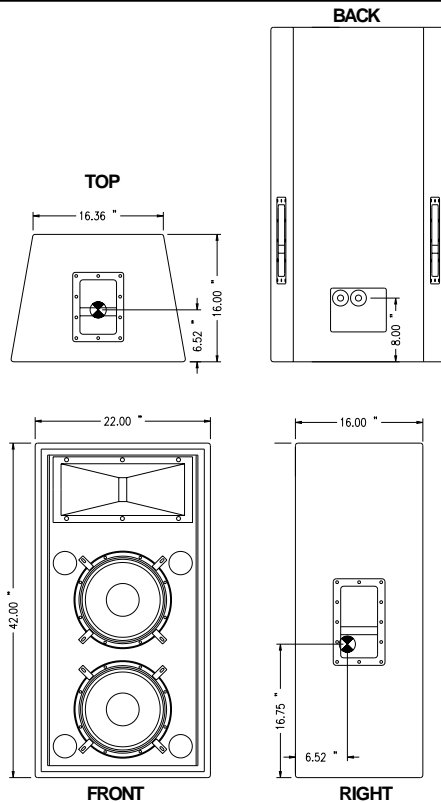
physical properties

weight	134lbs / 60kgs
dimensions	
inches	42H x 22W x 14D
centimeters	106H x 56W x 36D
finish	ProCoat™
enclosure material	3/4" 9-ply
construction	rabbit & dadoed
suspension	none
connectors	parallel NL4
transducers	(2) 12" Midrange (1) 2" HF Driver
recommended subwoofer	SA188, SA155, SA288

technical specifications

SA122-2
2-WAY MID / HIGH RANGE STAGE

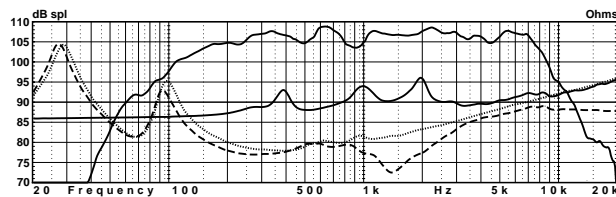
dimensional illustrations



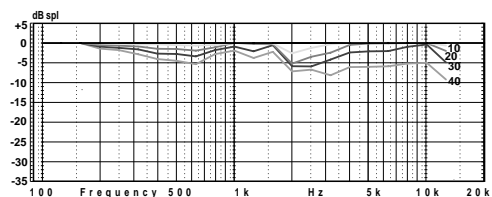
architectural specifications

The loudspeaker shall be a two-way type with two 12" low/mid frequency drivers mounted in a bass reflex enclosure and one high frequency ClearFiber™ horn flare utilizing a 2" throat compression driver. The low frequency section shall contain two 12" "Focused Field" drivers with a power handling capacity of 700 watts RMS and shall have a sensitivity of 106 dB SPL measured at 1 meter with 2.83 volts into a nominal 4 ohm load. The high frequency section shall consist of one 2" exit compression driver and horn combination with a power handling capacity of 100 watts RMS and a sensitivity of 111 dB SPL 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 134 dB SPL peak maximum output. The loudspeaker system shall have an effective operating range of 100 Hz to 12 kHz +/- 3 dB (40Hz to 16 kHz -10 dB). The loudspeaker shall offer coverage angles of 90° Horizontal, and 40° Vertical. The enclosure shall weigh a total of 123 lbs. and shall measure 42 inches tall, 22 inches wide (17 inches at rear) and 14 inches in depth. The enclosure sides shall be angled at 10° from front to back forming a trapezoidal shape. The enclosure shall be made of 9-ply void-free birch hardwood and shall have a weather and wear resistant ProCoat™ elastomeric finish. The enclosure shall incorporate one steel handle on each side for easy mobility. Electrical connections shall be made via paralleled Neutrik NL-4 connectors, or optional NL-8 or EP series connectors. An optimized passive crossover network shall be switchable between full range and biamp modes. The loudspeaker shall be the McCauley SA122-2.

response data



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



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.

