

SA155-2

product group: Stage Performance (GROUNDSTACK)
system type: Dual Direct Radiating 15"s + 2" HFD



construction

The SA155-2 is a 2-way full range system in a computer optimized enclosure. Loudspeaker complement consists of twin proprietary midrange 15"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 12-ply void-free birch laminate, dadoed for strength and durability. Perforated steel is employed for frontal protection of the loudspeaker complement.

Features:

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



the idea behind it

The SA155-2 was designed as multipurpose, dedicated full 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™ products, offering consistent coverage and a uniform appearance.

Applications:

Live Performance Venues
Multipurpose Rental P.A.
Fairgrounds



Trapezoidal



Groundstack

performance parameters

power handling	1050w RMS
frequency response	40Hz - 18kHz
nominal impedance	
Low	4Ω
High	16Ω
sensitivity	
Low	101db
High	111db
maximum output SPL	
Continuous	132db
Peak	138db
recommended crossover	1kHz
directivity/coverage	90°x40° (HxV)

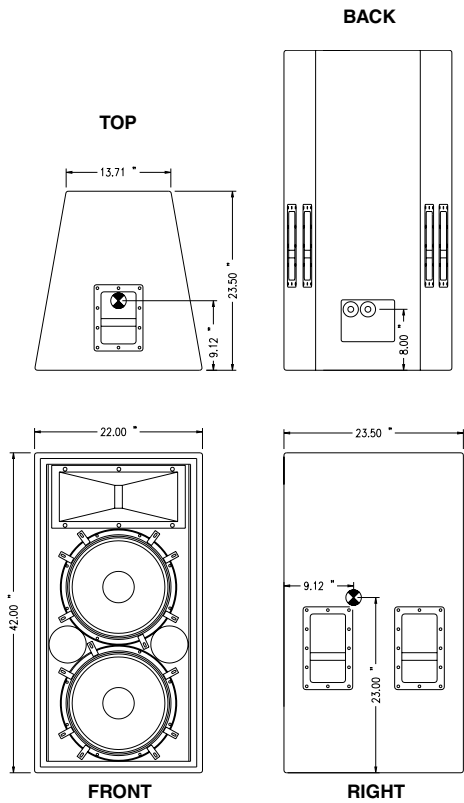
physical properties

weight	145lbs / 65kgs
dimensions	
inches	42H x 22W x 24D
centimeters	106H x 56W x 61D
finish	ProCoat™
enclosure material	5/8" 12-ply
construction	rabbit & dadoed
suspension	none
connectors	parallel NL4
transducers	(2) 15" Midrange (1) 2" HF Driver
recommended subwoofer	SA188, SA155, SA288

technical specifications

SA155-2
2-WAY MID / HIGH RANGE STAGE

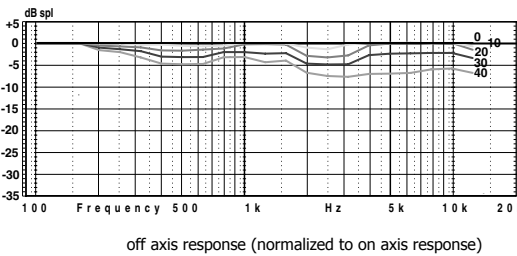
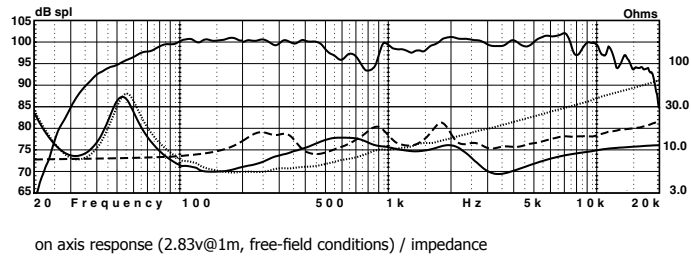
dimensional illustrations



architectural specifications

The loudspeaker shall be a two-way type with two 15" 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 15" "Focused Field" drivers with a power handling capacity of 900 watts RMS and shall have a sensitivity of 101 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 138 dB SPL peak maximum output. The loudspeaker system shall have an effective operating range of 45 Hz to 12 kHz +/- 3 dB (40Hz to 18 kHz -10 dB). The loudspeaker shall offer coverage angles of 90o Horizontal, and 40o Vertical. The enclosure shall weigh a total of 145 lbs. and shall measure 42 inches tall, 22 inches wide (13.5 inches at rear) and 24 inches in depth. The enclosure sides shall be angled at 10o from front to back forming a trapezoidal shape. The enclosure shall be made of 12-ply void-free birch hardwood and shall have a weather and wear resistant ProCoat™ elastomeric finish. The enclosure shall incorporate two steel handles on each side and one on top, 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 SA155-2.

response data



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.

