

# SA95-1

product group: Stage Performance Series  
system type: 15"x 1" POINT-SOURCE COAXIAL

## construction

The SA95-1 is a full range, 2-way point-source coaxial system in a trapezoidal computer optimized enclosure. Loudspeaker complement consists of a single proprietary coaxial device. Mechanical attachment aligns the acoustic center of the high frequency driver with that of the low frequency transducer, distributing perfectly aligned high and low frequency energy along an 80° conical coverage pattern. An optimized passive crossover network, capable of stitching between biamp and passive modes, is included. A standard tripod / polemount adaptor is included. Handles are balance-optimized to facilitate transportation. 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:

- Coaxial Point-Source Design**
- Mode Switchable Crossover**
- McCauley Performance Class Componentry**
- Tripod / Polemount Adaptor**
- 9 ply Dadoed Construction**
- Durable ProCoat™ Elastomeric Finish**



OPTIONAL:



Available without Crossover

## the idea behind it

The SA95-1 was designed as a compact, full range system for small to medium scale environments where high quality, high SPL sound is needed from an compact enclosure. The SA95-1 takes advantage of McCauley's proprietary MCX coaxial transducer technology, which allows the SA95-1 to outperform conventional systems many times its size.

### Applications:

- DJ Sound**
- Live Events**
- Corporate / Seminar**
- General Sound Reinforcement**

### performance parameters

<b>power handling</b>	<b>500w RMS</b>
<b>frequency response</b>	<b>50Hz - 20kHz</b>
<b>nominal impedance</b>	
Low	<b>8Ω</b>
High	<b>16Ω</b>
<b>sensitivity</b>	
Low	<b>98db</b>
High	<b>109db</b>
<b>maximum output SPL</b>	
Continuous	<b>126db</b>
Peak	<b>132db</b>
<b>recommended crossover</b>	<b>1.2kHz</b>
<b>directivity/coverage</b>	<b>80°x80° (HxV)</b>

### physical properties

<b>weight</b>	<b>58lbs / 26kgs</b>
<b>dimensions</b>	
inches	<b>18H x 18W x 16D</b>
centimeters	<b>46H x 46W x 41D</b>
<b>finish</b>	<b>ProCoat™</b>
<b>enclosure material</b>	<b>5/8" 12-ply Finland Birch</b>
<b>construction</b>	<b>rabbet &amp; dadoed</b>
<b>suspension</b>	<b>polemount adaptor</b>
<b>connectors</b>	<b>NL4 connectors</b>
<b>transducers</b>	<b>(1) 15"x1" Full Range Coaxial Transducer</b>

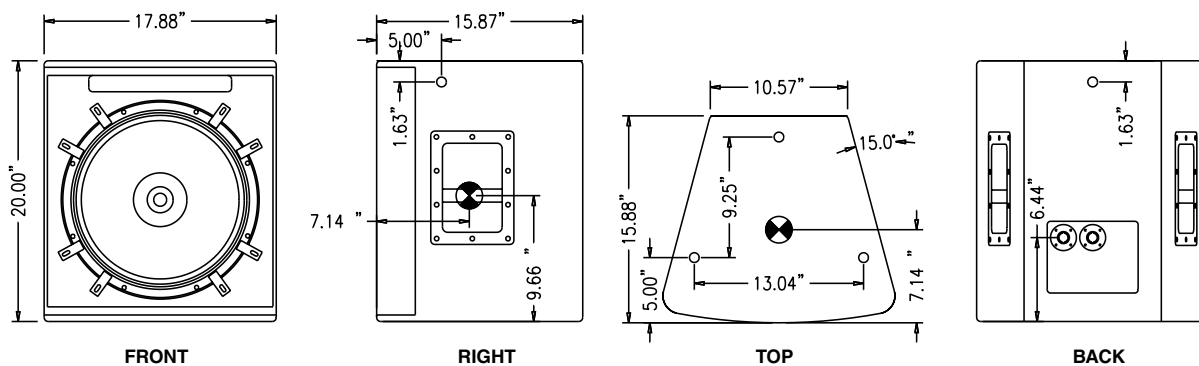
# technical specifications

**SA95-1**  
2-WAY FULL RANGE COAXIAL

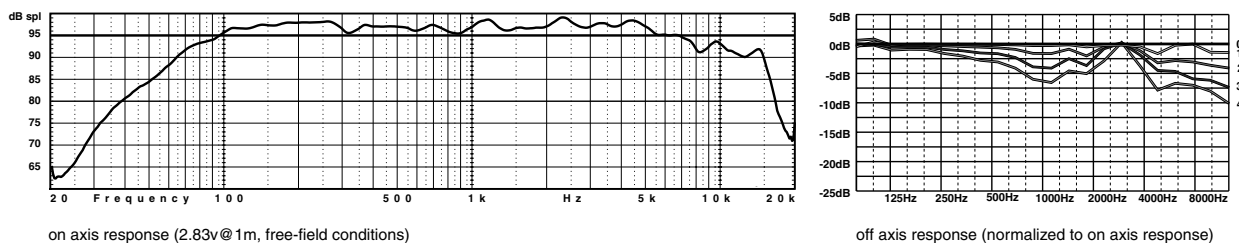
## architectural specifications

The loudspeaker shall be a two-way type with one 15" Full Range 2 Way Coaxial Point Source driver mounted in a bass reflex enclosure. The low frequency section shall contain one MCX 15" "Focused Field" driver with a power handling capacity of 400 watts RMS and shall have a sensitivity of 98 dB SPL measured at 1 meter with 2.83 volts into a nominal 8 ohm load. The high frequency section shall consist of one MCX 1" exit compression driver and horn combination with a power handling capacity of 100 watts RMS and a sensitivity of 109 dB SPL measured at 1 meter with 2.83 volts into a nominal 16 ohm load. The combined loudspeaker system shall be capable of 126dB SPL continuous and 132 dB SPL peak maximum output. The loudspeaker system shall have an effective operating range of 70 Hz to 17 kHz +/- 3 dB (50Hz to 20 kHz -10 dB). The loudspeaker shall offer symmetrical coverage angles of 80° Horizontal, and 80° Vertical. The enclosure shall weigh a total of 58 lbs. and shall measure 18 inches tall, 18 inches wide (10.5 inches at rear), 16 inches deep. The enclosure shall have a 35° fixed angle bottom, and the sides shall be angled at 15° from front to back forming a trapezoidal shape. The enclosure shall be made of 12-ply birch hardwood and shall have a weather and wear resistant ProCoat™ elastomeric finish. The enclosure shall incorporate two steel handles on the side for easy mobility. Electrical connections shall be made via Neutrik NL-4 connectors. An optimized passive crossover network shall be switchable between full range and biamp modes. The loudspeaker shall be the McCauley SA95-1.

## dimensional illustrations



## 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.

