

SA-12 SLIM PROFILE LOUDSPEAKER

Line-array technology & unique design are combined into a full range high-dynamic range & ultra-low distortion loudspeaker system capable of high-fidelity sound even in challenging spaces.

DRIVER COMPLIMENT

12 x 3" full range driver with aluminum convex cone

FREQUENCY RESPONSE

100Hz to 16.5KHz +/-3dB (with recommended EQ)

NOMINAL COVERAGE

30-deg vertical by 120-deg horizontal

POWER HANDLING

180W continuous RMS, 360W program

SENSITIVITY

(1W @ 1 Meter) = 92 dB

MAX SPL

114 dB at 180W

NOMINAL IMPEDANCE

6.5Ω

Recommended crossover at 100Hz

MOUNTING

200mm VESA mounting holes on reverse (Use standard VESA mount rated at least 80 lbs.)

DIMENSIONS

72" x 10.5" x 5.7"

WEIGHT

Approximately 60 lbs.

A LOUDSPEAKER FOR CHURCHES & EVENT SPACES

Live-performance ready! Not only will this bring speech to life, but it can handle a wide range of live performances.

DELIVERING AN EXCEPTIONALLY REALISTIC AUDIO EXPERIENCE

The SA-12 faithfully reproduces both soft & loud passages with superior results. The SA-12 can easily handle uncompressed live-performance sound and listeners will be surprised at the natural sound, with both acoustic instruments & vocals.

IDEAL FOR SPEECH REINFORCEMENT

This loudspeaker is able to reinforce all types of human speech. With an added sub-woofer, the possibilities are unlimited. Speech, music, soundtracks, & sound effects will be faithfully reproduced.

CLEAN STYLING

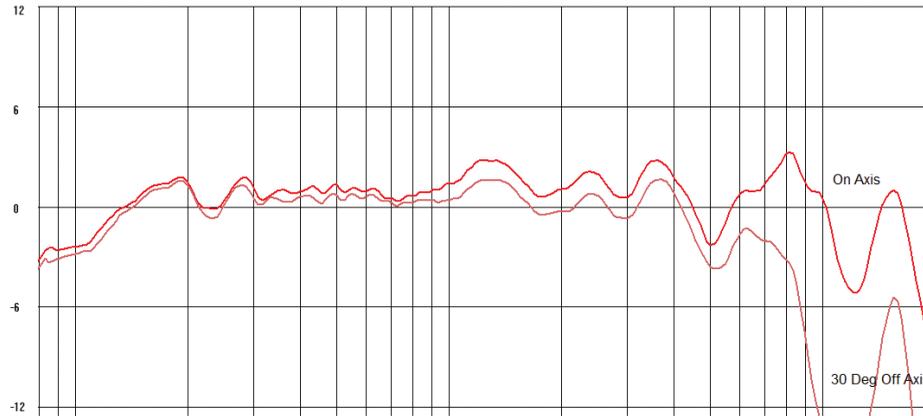
Each SA-12 is made up of twelve 3" full-range transducers with a total width of 10.5" and 6' tall. At less than 6" deep it can be mounted anywhere convenient to a wall with a standard 200mm (80 lb. rated) VESA mount.

RUGGED FINISH

Each SA-12 is coated with an ultra-hard sprayed-on finish that resists wear. Available in white or black.



SA-12 FREQUENCY RESPONSE



AMAZINGLY LOW DISTORTION

It's common knowledge in the loudspeaker industry that when it comes to distortion the loudspeaker is the weakest link in the audio chain. So while electronics manufacturers are constantly touting distortion ratings in the fractional percents, the typical loudspeaker can easily generate distortion as high as 10%. Any improvement in loudspeaker distortion will trump just about any other factor when it comes to an improved listening experience.

MINIMUM SOUND COLORATION

Small transducer size means that all the resonances are shifted out of the voice range. Once you hear the difference, you won't want to go back to traditional large cone designs.

HIGH POWER HANDLING

The SA-12 Loudspeaker has a continuous RMS power rating of 180W, 360W peak. The transducers are conservatively rated and built from the best materials. In order to accurately reproduce high-crest-factor material, recommended amplifier power for the full-range section is in the range of 450-600W RMS into 4 Ohms. (The nominal impedance of the full-range section is 5.6 Ohms, so the actual power will be a little less.)

MINIMAL CROSS- OVERS & FILTERING

There is only one crossover point at 100 Hz which is well out of the voice range (24dB/Octave Linkwitz/Riley recommended. Some minor equalization at the higher frequencies is recommended to really make these speakers shine.

EXCEPTIONAL VERTICAL PATTERN CONTROL

The transducers are arranged in a pseudo logarithmic pattern developed with computer-aided prediction software. The goal was to produce the most even vertical coverage pattern over the widest range of frequencies without the aid of digital signal processing. The result is a loudspeaker that cuts deep into an acoustical space without relying on ceiling and floor reflections.

ENVIRONMENTALLY FRIENDLY INTERNAL ACOUSTIC DAMPING MATERIAL

Made from recycled blue denim, the acoustic damping material used in these loudspeakers is non-toxic and has exceptional acoustical properties.