



APPLICATIONS

- Optimized for medium-throw live sound and installation applications
- Center arrays, stereo arrays, and distributed systems
- Performing Arts Centers
- Commercial Theatre
- House of Worship
- Sports arenas

CCA10i

CONSTANT CURVATURE ARRAY, SCALABLE 20° VERTICAL

The CCA10i-BA is a compact arrayable point source loudspeaker, designed for medium-sized venues to large distributed systems that need a flexible, scalable speaker solution.

FEATURES



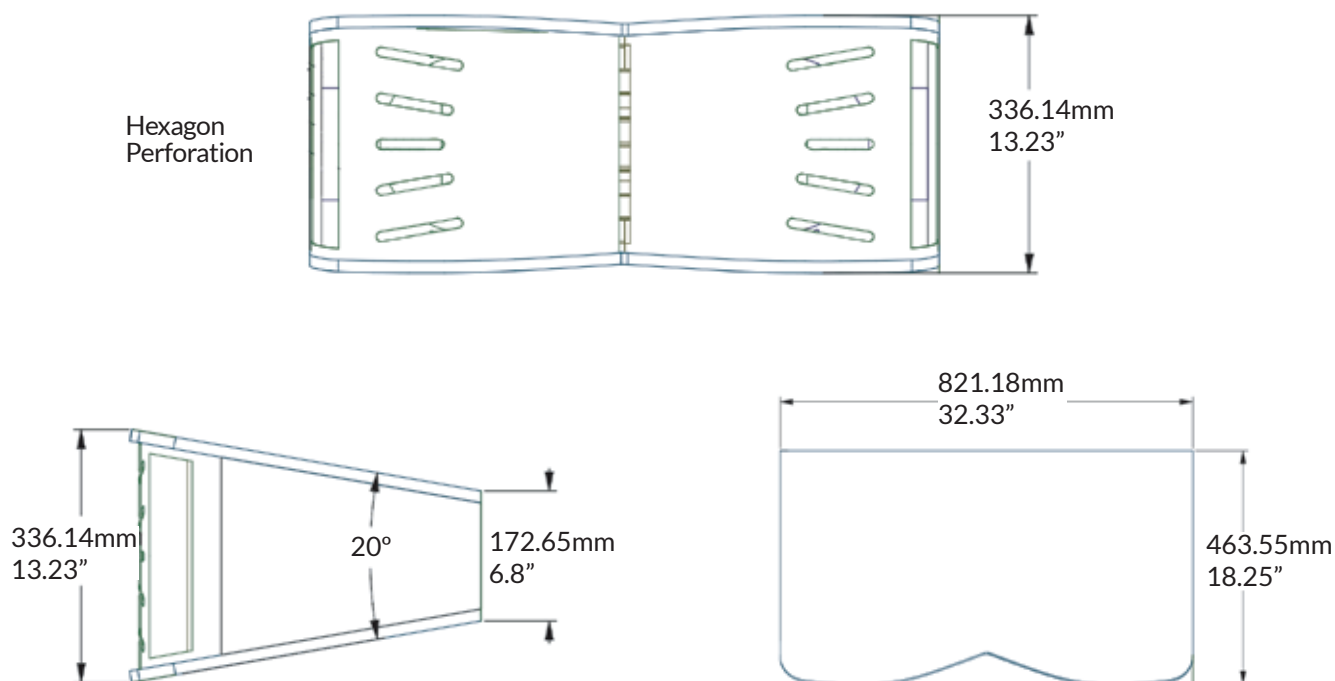
Mounted horizontally with tight acoustic centers to minimize comb filtering, each CCA10i-BA enclosure provides a fixed 20° vertical coverage and can be flown with additional enclosures in vertical arrays.

Featuring a coaxial compression driver that uses separate midrange and high-frequency polymer ring-shaped diaphragms, the compression driver delivers an extremely wide response from 420 Hz – 18,000 Hz.

Two 10" high-excursion ultra-low distortion drivers offer reduced power compression, providing efficient and accurate bass reproduction down to 52 Hz.

- 3-way Arrayable Point Source, designed for Bi-Amping
- Constant Curvature waveguide for unprecedented array coherence
- Precision 160 Degree Symmetrical Horizontal pattern control
- Variable vertical coverage in 20° increments (one enclosure 20°, 40° (two enclosures), 60° (three enclosures 60°) up to 240° (twelve enclosures)
- Dual 10" ultra low distortion, high excursion drivers
- System range 52 Hz – 18 kHz
- Exceptionally high SPL
- Rugged Polyurea coating for extreme durability
- System integration with BLAZE amplifiers

TECHNICAL SPECIFICATIONS



SYSTEM PERFORMANCE

Frequency Response (-3dB) ¹	52 Hz - 18 kHz
Frequency Range (-10 dB) ¹	45 Hz - 18 kHz
Recommended High-Pass Filter	48 Hz - w/ minimum 24 dB / Butterworth Filter
Horizontal Nominal Dispersion (-6 dB)	160°
Vertical Nominal Dispersion (-6 dB)	20°
Recommended Crossover Frequency	420 Hz (acoustic, active, external DSP)
Long Term Power Handling (Low Freq.) ²	600 W (2400 W peak)
Long Term Power Handling (High Freq.) ²	110 W (440 W peak)
Low Frequency Impedance	4 ohms
High Frequency Impedance	8 ohms
Pressure Sensitivity (Low Freq @ 1W/ 1m) ³	101 dB
Pressure Sensitivity (High Freq. @ 1W/1m) ³	111.4 dB
Max System SPL (@ 1W/1m)	131 dB SPL

PHYSICAL CHARACTERISTICS

Enclosure	Baltic birch plywood, engineered plastics, and aluminum frame.
Finish	Two-part spray catalyzed Polyurea coating on plywood
Grille	14-gauge (2mm) perforated steel, powder-coated finish, black
Environmental	Indoor use only
Connectors/Bi-Amp	Two (2) parallel-wired NL4 Neutrik® Speakon® connectors
Suspension/Mounting	Install side rigging; optional array frame accessories
Dimensions (HxWxD)	13.23" x 32.33" x 18.25" (336.14 x 821.21 x 463.68mm)
Net Weight	83lbs / 37.65kg
Shipping Weight	88lbs / 39.91kg
Product Version	CCA10i-BA

1. Frequency response and range measured on-axis with recommended active EQ in an anechoic environment. 2. Power handling tested using pink noise filtered to meet IEC 268-5, 6 dB crest factor, 100 hours, with recommended EQ. 3. Sensitivity measured in free field (no boundary-loading gain) with recommended active EQ, referenced to 1W/1m. 4. Maximum SPL calculated from sensitivity and power handling specifications, exclusive of power compression (100Hz-10KHz).

BLAZE
BY SONANCE

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