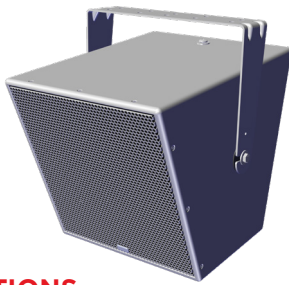


DATA SHEET

COMMERCIAL LOUDSPEAKERS

CCA-80 & CCA-80D

THREE-WAY FULL RANGE CONSTANT COVERAGE AISLE LOUDSPEAKER



APPLICATIONS

Warehouses / distribution centers, airports, train stations, shopping malls, convention centers, schools, sports arenas and stadiums

DESCRIPTION

The CCA-80 constant coverage aisle loudspeaker is an asymmetric, full-range, three-way, triaxial loudspeaker engineered for optimal performance in long, high-ceilinged narrow spaces such as aisles and corridors.

The asymmetric waveguide design offers precise, uniform coverage with a throw ratio of 6:1. The narrow upper portion of the horn provides extended coverage for distant areas, while the progressively wider, but attenuated, lower portion of the horn ensures full coverage directly beneath the mounting position. The horn is tilted downward within the enclosure, a unique design that minimizes aiming precision requirements and guarantees coverage directly beneath the speaker, outperforming traditional horns.

The CCA-80 produces an unrivaled constant SPL level within its coverage pattern, unlike typical speakers where SPL falls off with distance, making it ideal for background music and voice paging in large spaces. It is optimized to work in the most challenging applications, like warehousing, with mounting heights up to 36 feet.

This speaker delivers full-range 115 Hz to 14 Hz audio, ensuring superior music reproduction and voice clarity. The triaxial design maximizes coherency, resulting in a loudspeaker suitable for both clear voice paging and full range music playback.

This system offers a significant cost advantage, reducing total system costs by over 50% compared to existing premium solutions. No other product on the market offers this level of innovation and efficiency in asymmetric paging speakers.

The CCA-80D consists of dual CCA-80 speakers mounted back to back, reducing the number of mounting positions, amplifier channels, and delay alignment channels required. A joiner/ single-point mounting bracket is shipped with the CCA-80D.

FEATURES

- Purpose-built for long aisles and concourses in warehouses, sports complexes, transit centers, and more
- Triaxial asymmetric, amplitude shaded vertical waveguide with a 6:1 throw ratio for extended distance coverage
- Unique extended coverage distance significantly reduces the number of speakers required in a system
- High system efficiency minimizes required amplifier power resulting in lower overall system costs
- CCA-80D dual-speaker option provides additional system design flexibility, reducing total system costs further

TECHNICAL SPECIFICATIONS

Operating Mode	Passive, Selectable Low Impedance or 70V/100V		
Operating Environment	Indoor		
Operating Range	115 Hz to 14 kHz		
Constant Coverage Pattern	Coverage Distance: 6x Mounting Height Width: 2.3x Mounting Height		
Transducers	LF 1 x 8" (203mm) Horn-loaded woofer MR / HF 1 x 3" (60mm) MR with coaxial 1 x 1" compression-loaded piezo		
Continuous Power Handling @ Nominal Impedance	Passive	26.0 dBV	50W @ 8 Ohms (400W peak)
Autoformer Taps	70V: 50W, 25W, 12.5W, 6.3W 100V: 50W, 25W, 12.5W		
Nominal Sensitivity	Passive	@ 1W @ 1m 100 dB	@ 2.83V @ 1m 100 dB
Nominal Maximum SPL5 (Whole Space)	Passive	Peak 128 dB	Continuous 116 dB

PHYSICAL

Input Connection	Terminal Strip for low impedance or constant voltage operation
Controls	70V/100V operation jumper
Mounting Points	Two (2) M8 rigging points, One (1) M6 rigging point for safety cable
Included Accessories	Thick Zinc-plated steel UB-bracket
Dimensions H x W x D	15.6" x 14.8" x 19.6" (396 x 377 x 499 mm)
Weight	CCA-80: 31.9 lbs (14.5 kg) with included bracket CCA-80D: approx. 70 lbs (31.8 kg)
Finish	Grey matte, paintable, heavy-gauge, fabric-backed, textured vinyl covering

OPTIONS

Models	CCA-80 Single Loudspeaker CCA-80D Dual Loudspeaker w/bracket and wiring
Accessories	SPA-HBC 100 (Beam Clamp Kit)