



CUB-P

Under Balcony/Alcove Loudspeaker



APPLICATIONS

Public Address System
Cruise Ships
Dance Clubs
Entertainment Venues
Houses of Worship
Live Sound Reinforcement
Theaters

FEATURES

Compact Size
Two-Way Passive
LF Device: (2) 5 in. (127mm)
HF Device: (1) 1 in. (25.4mm)
Rotatable 60° H x 90° V HF
Epoxy Mastic Finish
4-Position Terminal Strip
Standard Mounting Bracket
(included)

GENERAL DESCRIPTION

The Clair Brothers CUB-P loudspeaker is a hi fidelity installation speaker that lends itself to installation in tight spaces. In particular, CUB-P finds its typical application as an under balcony speaker. The transducer compliment is similar to the Clair Brothers IRIS, IRIS-II and RSS loudspeakers, each of which offer unique solutions to installation challenges.

The internal crossover network functions as a quasi-three way topology. The low frequencies are reproduced by both 5" woofers, while midrange frequencies are only directed to the woofer adjacent to the compression driver/horn. Thus minimizing interference between components due to spatial separation while also optimizing the polar pattern.

The CUB-P features a sloped baffle board which aims the speakers toward the listener while remaining tight to the ceiling. This can be an asset in two ways; one for downfiring toward

seats from above or when flipped over firing upward from below a listener. Additionally, the 60°H x 90°V horn can be rotated to meet the coverage requirements of installation.

Optional mounting accessories allow the CUB-P to be underhung beneath ceilings, balconies, alcoves or soffits. CUB-P is available in left and right baffle orientations, allowing for a symmetrical sound design to be implemented, resulting in superior sonic imaging. Specify desired orientation on order (A-horn on left; B-horn on right).

OPTIONS

CUB – Active Model

90° H x 60° V Rotatable Horn

Custom Rigging Yokes

Custom Colors Available

Call or e-mail Clair Brothers for more information on available options.
(717-665-4000) e-mail: sales@clairbrothers.com

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AUDIO SPECIFICATIONS

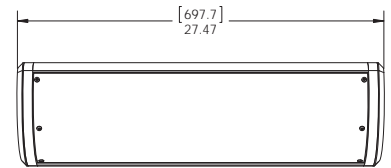
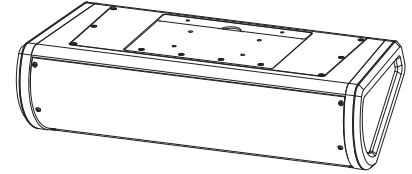
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|--------------------------------|------------------------------|-------------------------------|
| Loudspeaker Type | Two-Way Passive ¹ | |
| Frequency Response (+/- 2dB) | 65Hz–18kHz | |
| Recommended Power Amplifier | 800W @ 8 Ohms | |
| Sensitivity (1 Watt @ 1 Meter) | 95 dB SPL | |
| Maximum Output | Cont. | 122 dB SPL |
| | Peak | 125 dB SPL |
| Drivers | LF | (2) 5 in. (127mm) |
| | HF | (1) 1 in. (25.4mm) |
| Nominal Impedance | LF | 16 Ohms |
| | HF | 16 Ohms |
| Power Handling | Cont. | 220W |
| | Peak | 500W |
| Dispersion | 60° H x 90° V (Rotatable) | |
| Input Connection | Standard | (1) 4-Position Terminal Strip |

MECHANICAL SPECIFICATIONS

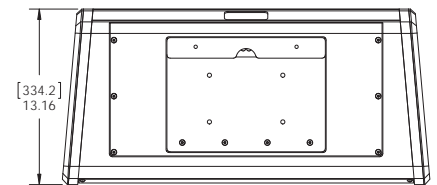
| | | |
|-----------------|---|--------------------------------------|
| Enclosure | Shell | 18mm / 12mm Baltic Birch |
| | Finish | Black Epoxy Mastic [or Custom Color] |
| Grille | Perforated Steel, Water-Resistant Fabric Backed | |
| Dimensions | Height | 7.73 in. (196.4mm) |
| | Width | 27.47 in. (697.7mm) |
| | Depth | 13.16 in. (334.2mm) |
| Weight | Active | 33 lbs. (15.0kg) |
| | Passive | 36 lbs. (16.3kg) |
| Shipping Weight | Active | 41 lbs. (18.6kg) |
| | Passive | 44 lbs. (20.0kg) |
| Rigging | Standard | Mounting Bracket [included] |

Note: All wattage figures are calculated using the rated nominal impedance.
Clair Brothers products are designed to perform optimally by utilizing factory recommended proprietary DSP settings.

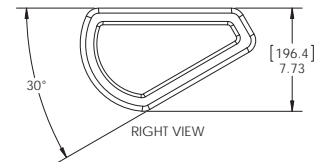
¹ Standard product is Passive. [Active model may be ordered as an option.]



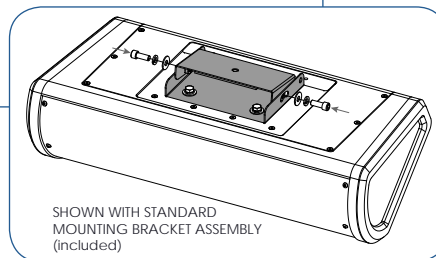
FRONT VIEW



TOP VIEW



RIGHT VIEW



SHOWN WITH STANDARD MOUNTING BRACKET ASSEMBLY (included)

CUB-P Terminal Strip Configuration

| Terminal Color | Use |
|----------------|----------|
| Black | Low (–) |
| Black | High (–) |
| Red | Low (+) |
| White | High (+) |

ARCHITECT AND ENGINEER SPECIFICATIONS

The loudspeaker shall be a two-way passive system, or optionally active, featuring a total of three (3) drivers. The low/mid frequency section shall consist of two 5 in. (127mm) drivers capable of handling 220 watts of pink noise with a 6 dB crest factor for eight hours (as per EIA RS-426-A standard). The high frequency section shall consist of a 1 in. exit, 1 in. voice coil compression driver mounted on a 60° H x 90° V rotatable horn. The driver is capable of handling 80 watts (1 kHz to 10 kHz) of pink noise with a 6 dB crest factor for two hours (as per AES-1984 and ANSI S4.26-1984 standards). The enclosure shall be constructed with 18mm, 13-ply and 12mm, 9-ply Baltic birch and covered with a durable epoxy mastic finish with poly-urethane top coat. The dimensions shall be 7.73 in. high, 27.47 in. wide, and 13.16 in. deep. The passive system weight shall be 36 lbs. (16.3kg) [33 lbs. (15.0kg) for the active model]. The loudspeaker system shall be the Clair Brothers CUB-P, or CUB, loudspeaker.

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Due to constant research, development and improvements all specifications are subject to change without notice.

