

# DATA SHEET

## DESONO™

# C-IC6

## TWO-WAY 6.5-INCH CEILING MOUNT CONFERENCE LOUDSPEAKER



### FEATURES

- Low profile, less than 6 inches (151mm) total depth
- Bridge-mounted soft dome tweeter mechanically isolated from the low frequency driver
- Supports both standard category cables and traditional speaker wiring for audio connections
- Directly integrates with Tesira® AMP-450BP (PoE+ amplifier)
- ETL listed to comply with UL 1480A and UL 2043
- Covered by Biamp Systems' five-year warranty

### APPLICATIONS

DISTRIBUTED  
Conference Rooms · Board Rooms

### DESCRIPTION

Desono™ C-IC6 is a low-profile, two-way passive coaxial loudspeaker optimized for speech reproduction in conferencing applications.

Designed with the installer in mind, the C-IC6 loudspeaker supports audio connections via either standard category cable or traditional speaker cable. They can be blind-mounted from below the ceiling, and feature a magnetic grille for easy toolless installation and removal. The grille plates are available in white, black, or red, or can be painted to match the room decor.

The C-IC6 also directly integrates with the Tesira AMP-450BP—a four-channel “backpack” PoE+ amplifier—which reduces wiring requirements and installation time.

Desono C-IC6 loudspeakers are an ideal choice for any conferencing space that demands superior speech reproduction.

### TECHNICAL SPECIFICATIONS

Operating Mode	Passive with DSP
Operating Environment	Indoor in climate-controlled environments
Operating Range	60 Hz to 20 kHz (-10 dB)
Nominal Beamwidth (H x V)	130°, conical
Transducers	LF 1 x 6.5" (165 mm) treated paper cone HF 1 x 1" (25 mm) soft dome
Continuous Power Handling @ Nominal Impedance	60W @ 8 ohms (240W peak)
Nominal Sensitivity @ 1m	87 dB
Nominal Maximum SPL @ 1m	105 dB
Required Accessories	None
Recommended Amplifiers	60W - 120W @ 8 ohms; Tesira AMP-450BP

### PHYSICAL

Input Connection	One 4-pole Euroblock connector for two pair of parallel connections [up to 16AWG]; Two RJ-45 connectors
Mounting Provisions	4 mounting clamps with 1.4 inch (36 mm) grip range
Compliance	ETL listed to comply with UL 1480A and UL 2043; Certified to CSA C22.2#62368-1; Suitable for use in air handling spaces per NFPA 70 and NFPA 90
Dimensions H x Dia.	5.9" x 10.9" (151 mm x 276 mm)
Cutout Diameter	9.75" (248 mm)
Weight	7.8 lbs (3.5 kg)
Finish	Refer to the Technical Drawings (page 3)
Accessories (included)	C Ring Tile Bridge Paintable Metal Grille

### OPTIONS

Accessories	BPAK backpack adapter kit C-IC6-GK-12PK grille kits (black, white, or red)
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Biamp strives to improve its products on a continual basis. Specifications are therefore subject to change without notice.

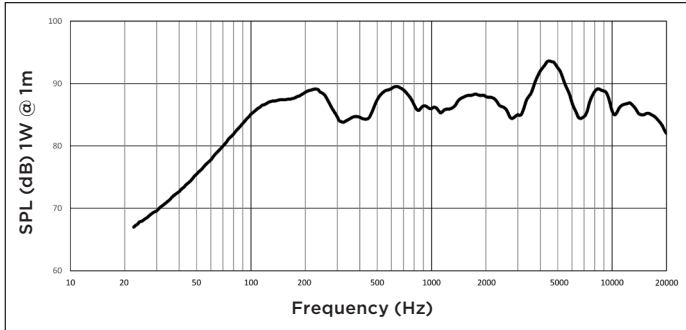
Data presented on this spec sheet represents the basic performance specifications for the model. For a detailed analysis of this loudspeaker's performance, please download the GLL file and/or the CLF file from our website: [biamp.com](http://biamp.com)



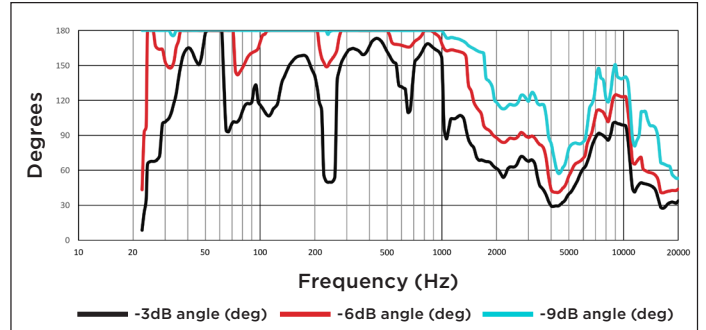
# DESONO™ C-IC6

TWO-WAY 6.5-INCH  
CEILING MOUNT CONFERENCE LOUDSPEAKER

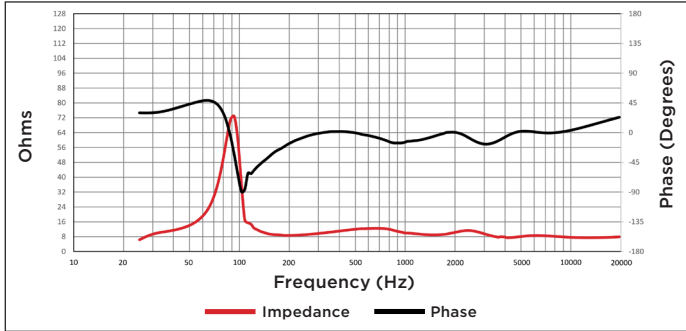
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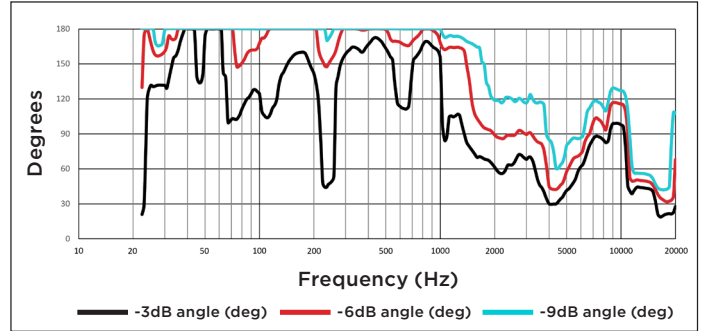
## HORIZONTAL BEAMWIDTH



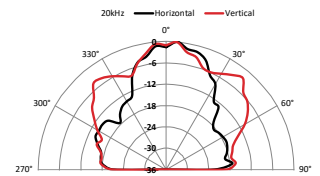
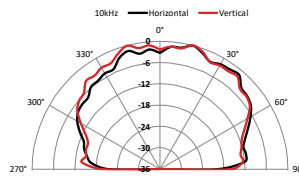
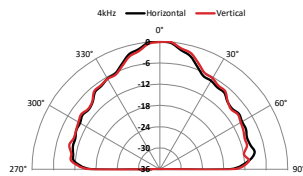
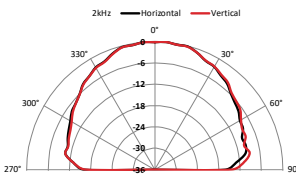
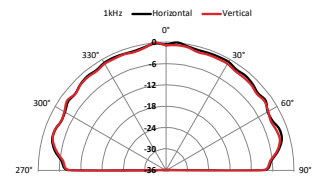
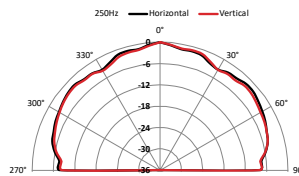
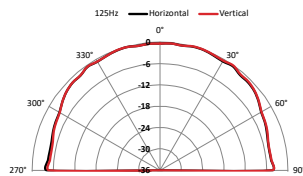
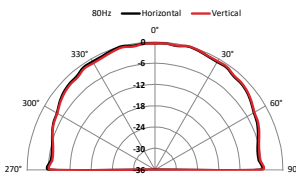
## IMPEDANCE / PHASE



## VERTICAL BEAMWIDTH



## POLAR PLOTS



# DESONO™ C-IC6

## TWO-WAY 6.5-INCH CEILING MOUNT CONFERENCE LOUDSPEAKER

### ARCHITECTS & ENGINEERS SPECIFICATIONS

The loudspeaker shall be a two-way, passive coaxial design intended for in-ceiling mounting. The loudspeaker shall be equipped with a 6.5 inch (165mm) treated paper low frequency transducer (“woofer”), a 1 inch (25mm) soft dome high frequency transducer (“tweeter”), and a passive crossover/protection circuit network. The high frequency transducer shall be physically separate from the low frequency transducer and shall be bridge-mounted above the low frequency transducer. The loudspeaker shall have a ported architecture and a nominal impedance of 8 ohms. The loudspeaker shall have a coverage angle of 130° from 1kHz to 6kHz. The loudspeaker enclosure shall be constructed of formed steel and UL94V-0 fire rated plastic. The loudspeaker shall include a terminal box that shall interface with conduit having an inside diameter of either 0.5 inches (13mm) or 0.875 inches (22mm). The loudspeaker shall be equipped with a four-position, 0.2 inch (5.08mm) pluggable Euroblock connector and two RJ-45 connectors for audio signal connections. The loudspeaker shall be suitable for blind-mounting from below the ceiling and shall support a magnetically-attached grille. The loudspeaker shall have an attachment point for connection via chain or wire to building structure as a secondary support point. The loudspeaker shall include mounting points for direct attachment of a Tesira® AMP-450BP amplifier. The loudspeaker shall comply with the requirements of UL Standard 1480A and UL Standard 2043. The loudspeaker shall be UL listed, CE marked, and shall be compliant with the RoHS directive. Warranty shall be five years. The loudspeaker shall be Desono™ C-IC6.

### TECHNICAL DRAWING / DIMENSIONS / FINISH

#### H x W (diameter)

5.9" x 10.9" (151 mm x 276 mm)

#### Unit Weight

7.8 lbs (3.5 kg)

#### Shipping Weight (shipped in pairs)

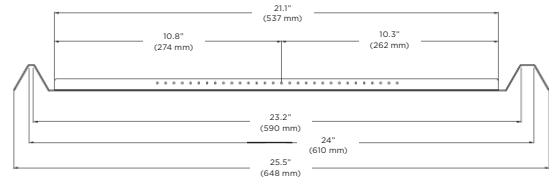
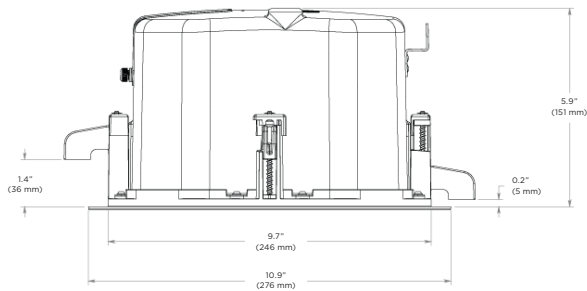
24 lbs (10.9 kg)

#### Grille

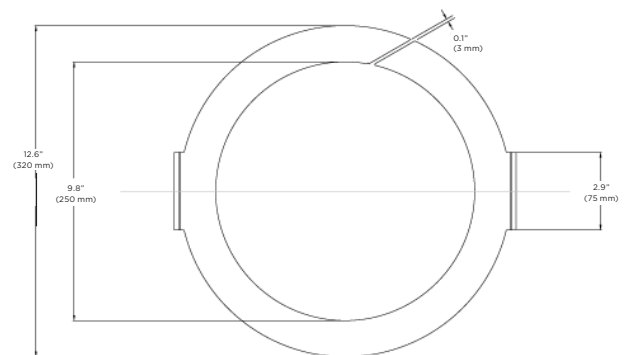
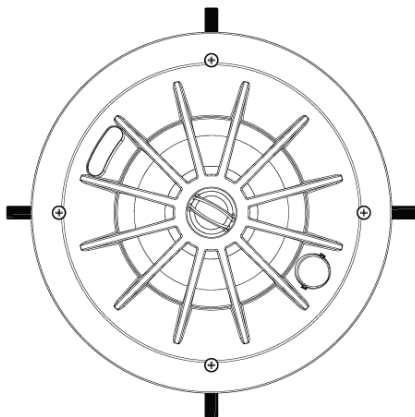
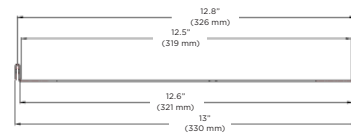
Powder-coated perforated steel  
Black, White, or Red

#### Enclosure / Finish

PC/ABS V-0 plastic  
Matte finish, black



### TILE BRIDGE RAILS



### C RING

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