

DATA SHEET

DESONO™ C-IC6

CONFERENCING LOUDSPEAKER



The desono™ C-IC6 is a low-profile, two-way passive coaxial loudspeaker optimized for speech and music reproduction in conferencing applications. Designed with the installer in mind, the C-IC6 speaker 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 grill for easy toolless installation and removal. The grill 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. Additionally, the AMP-450BP includes an “audible locate” feature that allows installers to validate cabling and connections before the audio system is fully commissioned. The desono C-IC6 speakers are the ideal choice for any conferencing space that demands superior speech reproduction.

FEATURES

- Low profile passive speaker, less than 6 inches (153 mm) total depth
- 8-ohm nominal impedance
- 130° coverage angle optimized for low ceilings
- Supports both standard category cables and traditional speaker wiring for audio connections
- Designed for integration with the AMP-450BP (backpack PoE+ amplifier)
- Bridge-mounted 1-inch (25mm) soft dome tweeter
- 6.5-inch (165mm) treated paper woofer mechanically isolated from the high frequency driver
- 60W with a peak power of 240W
- CE marked, UL listed, and RoHS compliant
- Covered by Biamp Systems' five-year warranty

ARCHITECTS & ENGINEERS SPECIFICATIONS

The conferencing loudspeaker shall be a two-way, passive coaxial design intended for in-ceiling mounting. The conferencing loudspeaker shall be equipped with a 165mm treated paper low frequency transducer (“woofer”), a 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 conferencing loudspeaker shall have a ported architecture and a nominal impedance of 8-ohms. The conferencing loudspeaker shall have a coverage angle of 130° from 1kHz to 6kHz in accordance with IEC Standard EN60268-5. The conferencing loudspeaker enclosure shall be constructed of formed steel and UL94V-0 fire rated plastic. The conferencing loudspeaker shall include a terminal box that shall interface with conduit having an inside diameter of either 13mm or 22mm. The conferencing loudspeaker shall be equipped with a four-position, 5.08mm pluggable Euroblock connector and two RJ-45 connectors for audio signal connections. The conferencing loudspeaker shall be suitable for blind-mounting from below the ceiling and shall support a magnetically-attached grill. The conferencing loudspeaker shall have an attachment point for connection via chain or wire to building structure as a secondary support point. The conferencing loudspeaker shall include mounting points for direct attachment to a Tesira® AMP-450BP amplifier. The conferencing loudspeaker shall comply with the requirements of UL Standard 1480A and UL Standard 2043. The conferencing loudspeaker shall be CE marked and shall be compliant with the RoHS directive. Warranty shall be five years. The conferencing loudspeaker shall be desono™ C-IC6.

DESONO C-IC6 SPECIFICATIONS

Connectors:	4-pole Euroblock connector for two pair of parallel connections; Two RJ-45 connectors	Included Accessories:	C Ring Tile Bridge Euroblock Connector Cutout Template
Nominal Impedance:	8Ω	Overall Dimensions:	
Transducers:		Diameter	11.2" (284 mm)
Low Frequency:	6.5-inch [165 mm] treated paper cone woofer	Cutout diameter:	9.75" (248 mm)
High Frequency:	1-inch [25 mm] plastic dome bridge-mounted tweeter	Depth:	6.2" (157mm)
Frequency Response (60Hz-20kHz):	-10dB	Weight:	7.8 lbs (3.5 kg)
Output Power Rating:	68W continuous (3dB compression) 240W peak	Environmental:	
Sensitivity (1W/1m):	87dB SPL	Ambient Operating Temperature Range:	32 - 95° F (0 - 35° C)
Maximum SPL:	105.5dB (summed)	Humidity:	0-95% relative humidity (non-condensing)
Coverage Angle (per EN60268-5 @ 1kHz-6kHz):	130°	Altitude:	0-10,000 ft (0-3000m) MSL
Operating Environment:	Designed for Indoor Use in Dry Locations	Compliance:	FCC Part 15B (USA) UL and C-UL listed (USA and Canada) CE Marked (Europe) RoHS Directive (Europe) Evaluated to the requirements of UL 2043 and is suitable for use in air handling spaces
Usable Bandwidth	75Hz - 22 KHz (-3dB)		

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