

DATA SHEET

DESONO™ C-IC6

CONFERENCEING LOUDSPEAKER



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

FEATURES

- 60W with a peak power of 120W
- Low profile passive loudspeaker, less than 6 inches (151mm) 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
- Directly integrates with the AMP-450BP (PoE+ amplifier)
- Bridge-mounted 1 inch (25mm) soft dome tweeter
- 6.5 inch (165mm) treated paper woofer mechanically isolated from the high frequency driver
- Integrated flex conduit knockouts
- Evaluated to the requirements of UL 1480a and UL 2043 and is suitable for use in air handling spaces
- Complete EASE, CLF, and CAD information available on biamp.com
- CE marked, UL listed, and RoHS compliant
- Covered by Biamp Systems’ seven-year warranty

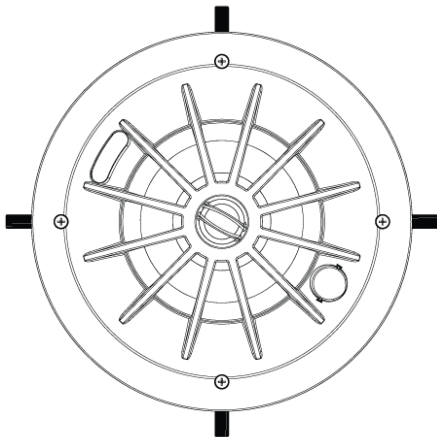
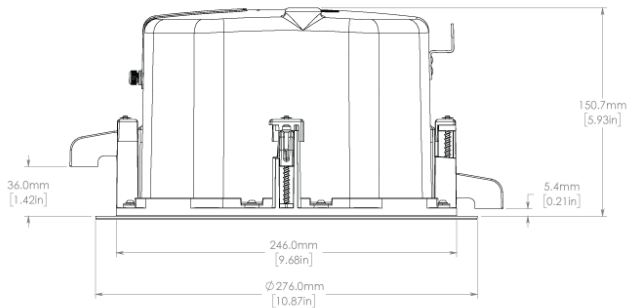
ARCHITECTS & ENGINEERS SPECIFICATIONS

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 grill. 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 seven years. The loudspeaker shall be desono™ C-IC6.

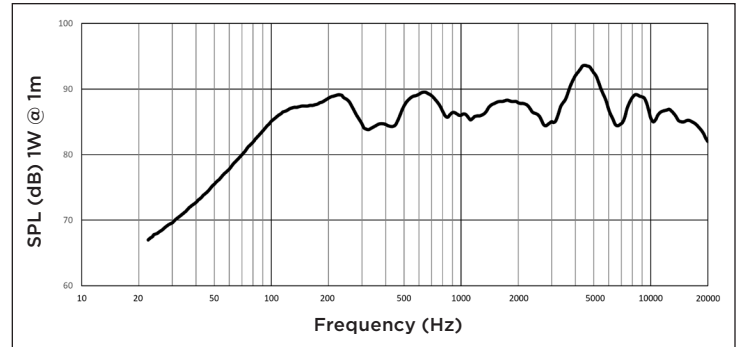
DESONO C-IC6 SPECIFICATIONS

Connectors:	4-pole Euroblock connector for two pair of parallel connections [up to 16AWG]; Two RJ-45 connectors	Operating Environment:	Designed for indoor use in climate-controlled environments
Nominal Impedance:	8Ω	Included Accessories:	C Ring Tile Bridge Paintable Metal Grill
Transducers:		Product Dimensions:	
Low Frequency:	6.5 inch (165mm) treated paper cone woofer	Overall Diameter:	11.2 inches (284mm)
High Frequency:	1 inch (25mm) soft dome bridge-mounted tweeter	Depth:	5.9 inches (151mm)
		Weight:	7.8 lbs (3.5kg)
Frequency Range (-10dB):	60Hz – 20kHz	Cutout Diameter:	9.75 inches (248mm)
Output Power Rating (3dB compression, pink noise):	60W continuous; 120W peak	Compliance:	UL and C-UL listed (USA and Canada) CE Marked (Europe) RoHS Directive (Europe) Evaluated to the requirements of UL 1480a and UL 2043 and is suitable for use in air handling spaces
Sensitivity (1W @ 1m):	87dB SPL		
Maximum SPL:	106dB		
Nominal Coverage Angle (1-6kHz):	130°		

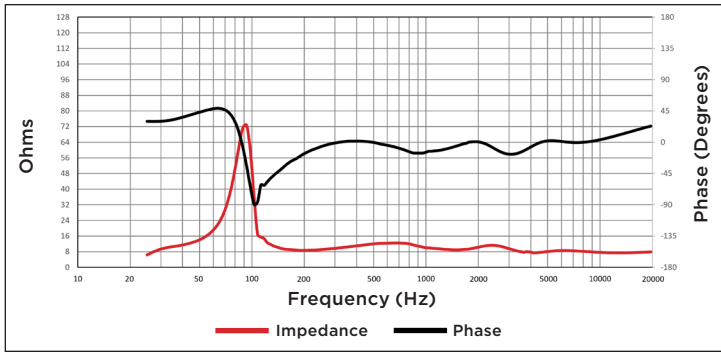
DIMENSIONS



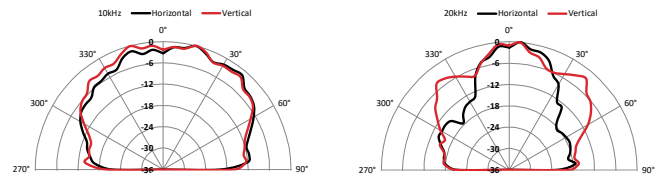
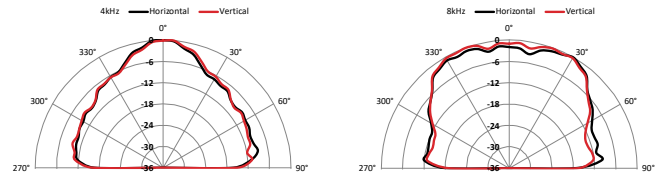
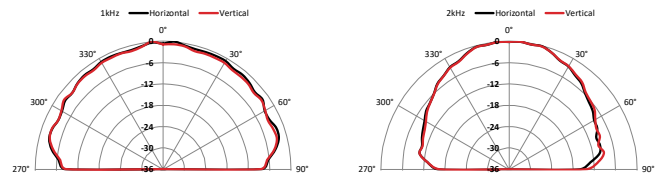
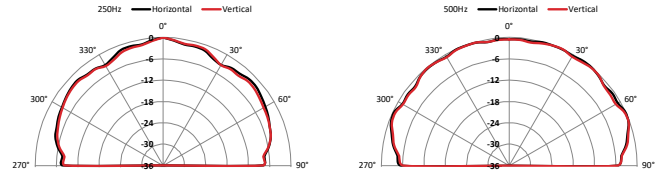
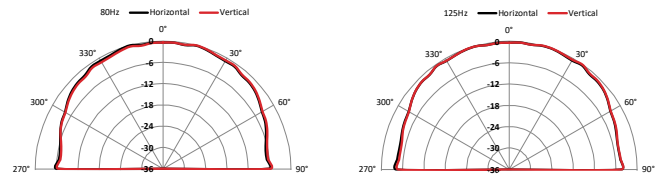
FREQUENCY RESPONSE



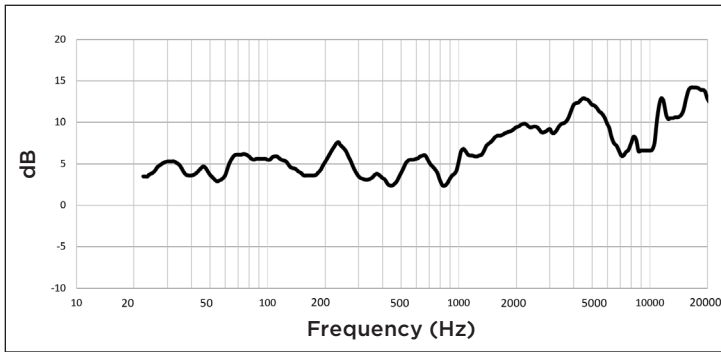
IMPEDANCE / PHASE



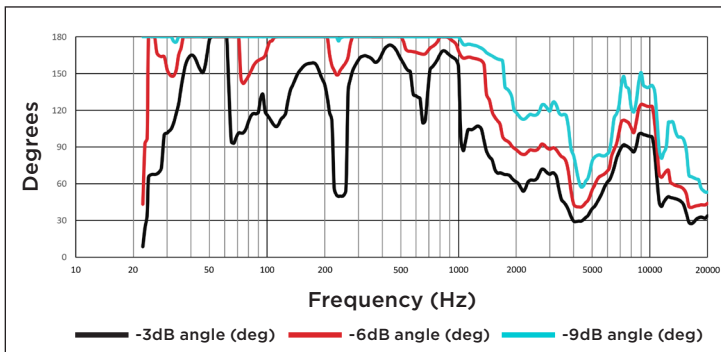
POLAR PLOTS



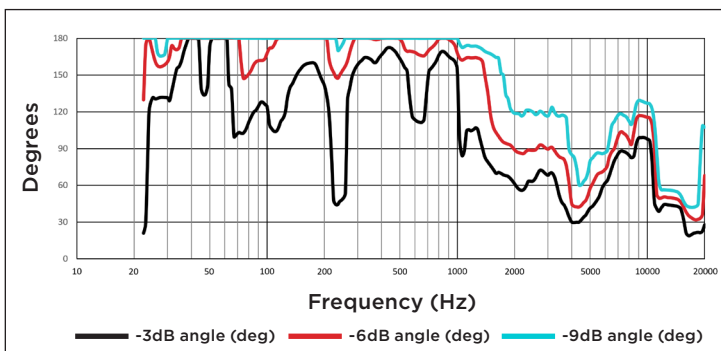
DIRECTIVITY INDEX



HORIZONTAL BEAMWIDTH



VERTICAL BEAMWIDTH



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