

AcousticCoverage™ Series AC-C2T

KEY FEATURES

- High quality 2.75" full-range transducer provides a natural rise in high frequency extension.
- Ported baffle for increased low frequency extension down to 70 Hz.
- Low saturation 70/100V transformers with 8 Ω bypass.
- 4 pole Euroblock connector eases system wiring.
- Advanced voicing filter sets using QSC Intrinsic Correction™ available through either Q-SYS™ processing or CXD amplifier platforms.
- Advanced voicing via QSC Intrinsic Correction™, applied using the Q-SYS™ Platform or CXD Series amplifier platforms.
- White (RAL 9010) with UV inhibitors to match complimenting QSC product families.
- Complete EASE, CAD & BIM information available online



AcousticCoverage™ Series AC-C2T

Full-range, ceiling mount loudspeaker

The QSC AcousticCoverage™ Series AC-C2T is a ceiling mounted 2.75" full-range loudspeaker with 70/100V transformer, suitable for a wide variety of audio/video conferencing reinforcement, voice paging and background music applications.

AcousticCoverage™ Series is designed to offer integrators a cost effective solution for applications where voice reinforced coverage is of primary concern, while providing improved musicality often not seen in typical BGM class products.

A high quality 2.75 inch weather treated paper cone transducer provides a natural rise in high frequency extension for greater clarity in high ambient noise environments. With 170 degrees of conical coverage, the AC-C2T reduces the number of loudspeakers required for even coverage in low ceiling applications.

The easy to install blind mount assembly features a ported baffle which optimally tunes the powder coated steel backcan for added musicality, creating low frequency extension down to 70 Hz. To maintain this frequency response, the AC-C2T utilizes a variable tap 16 watt low saturation and low loss 70/100V transformer, accessible under the powder coated steel grill via a rotary selector which also includes an 8 Ω bypass setting.

To further enhance performance and speed of install with optimum result, advanced voicing filter sets using the Q-SYS™ Platform, including CXD Series amplifiers for a complete QSC systems solution.

Installers will appreciate the 4 pole Euroblock connector for loop thru wiring, located under a quick access swivel plate. Eliminating the termination hassles of star topology wiring designs, the generous Euroblock of the AC-C2T can accept four 18AWG pairs.

A safety tether tab is affixed to the adjustable conduit clasp plate for seismic sensitive installations. C-ring and tile rails are included with each pair packed assembly, complete with joining screws and cut-out template.

The AC-C2T baffle and grill are QSC standard white (RAL 9010) to match complimenting QSC product families and includes UV inhibitors to prevent discoloration over time. The AC-C2T may also be painted to match any décor.

To assist in successful systems integration, complete EASE, CAD, and BIM files are available for download online.

AC-C2T

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|---|--|
| System details | AC-C2T |
| Effective frequency range ^{1 2 3 8} | 70 Hz – 20 kHz |
| Rated noise power / voltage ⁶ | 16 W / 11.3 V (rms) |
| Broad-band sensitivity ^{2 3 4 8} | 84 dB |
| Coverage angle (-6 dB) ^{2 5 8} | 170° (500 Hz - 5 kHz) |
| Directivity factor ^{2 5 8} | 2.5 |
| Directivity index ^{2 5 8} | 4 dB |
| Maximum continuous SPL ⁷ | 96 dB |
| Maximum peak SPL ⁷ | 102 dB |
| Rated impedance | 8 Ω |
| Transformer taps | 70 V: 16, 8, 4, 2, 1 W and 8 Ω bypass 100 V: 16, 8, 4, 2 W and 8 Ω bypass |
| Transducer | 2.75 in (70 mm) weather treated paper cone |
| Input connector type | Euroblock connector with parallel output terminals |
| Baffle material | Painted ABS polymer |
| Grille material | Powder coated steel |
| Back can material | Powder coated steel |
| Testing | Listed UL1480, UL2043 safe for use in air handling space |
| Net weight | 4.2 lb (1.9 kg) |
| Product dimensions | Ø 8.4 x 7.9 in (Ø 214 x 201 mm) |
| Cut-out dimensions | Ø 7.3 in (Ø 186 mm) |
| Ceiling capture thickness | 0.25 - 1.5 in (6.35 - 38.1 mm) |
| Shipping weight | 12.9 lb (5.85 kg) |
| Shipping dimensions | 10.75 x 24 x 10.5 in (273.1 x 609.6 x 266.7 mm) |
| Included accessories | Rails & C-ring for ceiling tile installation |
| Optional accessories | AC-MR4 (pre-install mud ring) |

1. -10 dB from on-axis sensitivity

2. Half space, 1 W, 1 m

3. Reference axis

4. 200 Hz - 10 kHz average

5. 500 Hz - 5 kHz average

6. IEC60268-1 noise signal for 2 Hrs

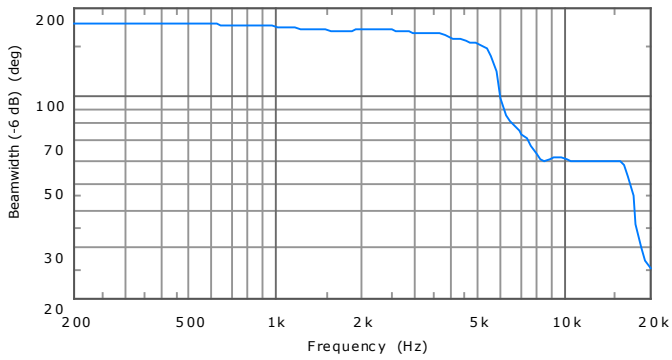
7. Calculated from rated noise voltage and sensitivity

8. Reference plane is the plane coincident with the loudspeaker baffle plane. Reference axis is the axis perpendicular to the reference plane and passing through the center of the baffle. Vertical plane is the plane intersecting the reference plane at a right angle, including the reference axis and the taps selector knob. Horizontal plane is the plane intersecting the reference plane and the vertical plane at a right angle, including the reference axis.

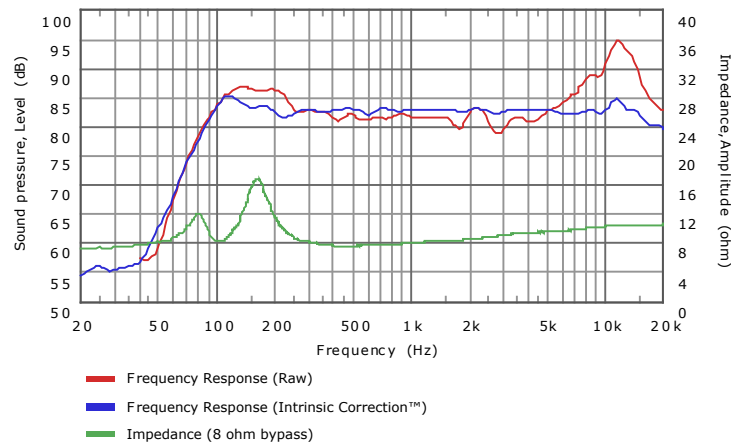
As part of Q-SYS's ongoing commitment to product development, specifications are subject to change without notice.

AC-C2T

Beamwidth



Impedance/Frequency Response:



Dimensions:

