AcousticCoverage Series

AcousticCoverage AC-C8T

The ceiling-mount coaxial two-way loudspeaker system shall incorporate an 8-inch low frequency transducer with butyl rubber surround, together with a 0.86-inch silk dome tweeter. The baffle of the enclosure shall be ported, with sufficient port area to minimize turbulence and distortion, to increase the low frequency extension down to 52 Hz. The loudspeaker shall have a nominal impedance of 8 ohms and feature a wide 100-degree conical coverage pattern over 500 Hz to 5 kHz.

To minimize distortion at very low frequencies, the loudspeaker shall feature a 60-watt low-saturation/low-loss transformer with selectable taps at 60 watts (70V); 30 watts (70V) or 60 watts (100V); 15 watts (70V) or 30 watts (100V); 7.5 watts (70V) or 15 watts (100V); 3.8 watts (70V) or 7.5 watts (100V); or 8Ω (bypassing the transformer). The rotary tap selector switch shall be accessible under the steel grille.

The loudspeaker shall have an effective frequency range of 52 Hz to 20 kHz and an on-axis free-air sensitivity of 89 dB SPL at 1 meter with an input signal of 2.83 volts rms. The loudspeaker’s continuous power rating, measured with an IEC60268-1 noise signal for two hours, shall be 80 watts (25.3 volts rms).

The enclosure shall comprise a plated steel backcan with an ABS baffle. For seismically sensitive installations, the enclosure shall have a steel tab for a safety tether. The grille shall be steel. Both the grille and baffle shall be painted in QSC standard white (RAL 9010) but may be repainted to match other décor. The white paint shall include UV inhibitors to help prevent discoloration over time. A quick-access swivel plate on the backcan shall protect the 4-pole Euroblock connector that offers easy loop-though connections to a distributed line.

The loudspeaker shall feature a blind-mount system of dog-ear mounting mechanisms. Mounting hardware included with each pair of loudspeakers shall be C-rings and tile rails, along with joining screws and a cut-out template. The overall diameter of the loudspeaker shall be 316 mm (12.4 in) and its overall depth shall be 288 mm (11.3 in). The depth from the mounting flange shall be 272 mm (10.7 in).

The loudspeaker shall be the QSC AC-C8T.