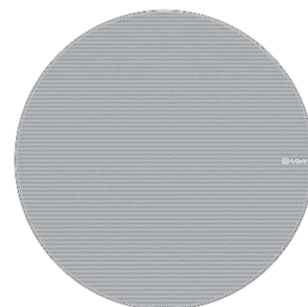


NIC-SB10

LOUDSPEAKERS

In-ceiling / In-wall Loudspeaker



A&E SPECIFICATIONS

The loudspeaker shall be a ceiling or wall mount subwoofer designed for both distributed 70/100 V line systems and low-impedance installations. The system shall incorporate one 10-inch low-frequency transducer and shall provide a continuous power handling of 100 W RMS, 200 W program, and 300 W peak.

The loudspeaker shall operate within an effective frequency range of 56.1 Hz to 780 Hz and shall provide a nominal sensitivity of 89 dB measured at 1 W / 1 m. Maximum sound pressure level shall be 109 dB continuous and 115 dB peak. The nominal coverage angle shall be 180° conical.

The loudspeaker shall support selectable transformer taps of 10 W, 20 W, 40 W, and 80 W on 100 V lines, and 5 W, 10 W, 20 W, and 40 W on 70 V lines. The system shall also support low-impedance operation at 8 Ω nominal impedance.

The enclosure shall incorporate Acoustic Resonator Technology (ART) to reduce low-frequency harmonic distortion compared with conventional closed-box ceiling subwoofer designs, providing improved low-frequency clarity and minimizing unwanted ceiling resonance and coloration.

Electrical connections and power selection controls shall be accessible from the front of the loudspeaker after installation. Signal connections shall be made through a front-mounted 4-pin Euroblock connector accepting conductor sizes from 18 AWG (0.8 mm²) to 14 AWG (2.5 mm²).

The enclosure shall be constructed of ABS plastic and shall be rated IP66 for protection against dust and water ingress, making it suitable for use in challenging indoor and covered outdoor environments. The grille shall be manufactured from iron and shall utilize a magnetic attachment system. The grille shall be frameless in appearance and include a removable logo for architectural integration.

The mounting system shall employ three rotating mounting tabs for installation in ceilings or walls. A tile bridge shall be supplied as standard to provide additional support in suspended ceiling applications. Included accessories shall also comprise a cutting template and connection terminal block.

The loudspeaker shall support installation in ceiling materials ranging from 10 mm to 60 mm thickness and shall require a cutout diameter of 364 mm. Overall dimensions shall be 402 mm diameter by 271 mm depth and the unit weight shall be 12 kg.

The loudspeaker shall be available in white finish (RAL 9003). An optional black grille accessory (RAL 9005) shall be available.

The loudspeaker shall be the ECLER NIC-SB10.

98-0022-0100



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All product characteristics are subject to variation due to production tolerances

NEEC AUDIO BARCELONA S.L. reserves the right to make changes or improvements in the design or manufacturing that may affect these product specifications.

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