DesignMax DM10S-SUB surface-mounted loudspeaker

ARCHITECTS’ & ENGINEERS’ SPECIFICATIONS

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The loudspeaker shall contain a 10-inch woofer.

The loudspeaker shall meet the following performance specifications: On-axis system frequency range shall be 35 Hz to 125 Hz (-10 dB) with the use of recommended active equalization. The loudspeaker sensitivity shall be 90 dB SPL in half-space environment with Bose EQ voicing with 1 W input at 1 meter. The long-term power handling rating shall be 300 W (AES test methodology using IEC system noise, 2-hour duration). Maximum continuous output shall be 115 dB SPL and the maximum peak output shall be 121 dB SPL. The nominal coverage pattern shall be omnidirectional below 200 Hz.

The loudspeaker shall be constructed of a high-density wood composite with solid color laminate UV fade resistant enclosure. The loudspeaker shall be in compliance with the following safety standards; UL1480A. The transducers shall be located behind a perforated steel grille with a powder-coated finish that is attached with a tamper-resistant design. The loudspeaker shall contain a u-bracket mounting system that attaches internally. The loudspeaker shall be available in black or white and shall be paintable. Input connectors shall be a Euroblock 6-pin connector with loop-through. The loudspeaker shall have a nominal rated impedance of 8 ohms and shall be wired in parallel with a line voltage matching (stepdown) transformer with a level selector appropriate for output taps of 20, 40, 80, 150 Watts and Bypass (8 ohms). The loudspeaker input connections shall allow for direct connection to 70-volt, 100-volt or low-impedance amplifiers. Loudspeaker dimensions shall be 502 x 316 x 323 mm (19.8 x 12.5 x 12.7 in) and net weight shall be 16.1 kg (35.5 lbs).

Warranty shall be 5 years. The loudspeaker shall be the DesignMax DM10S-SUB surface mounted loudspeaker.