AMS115 compact subwoofer

ARCHITECTS’ & ENGINEERS’ SPECIFICATIONS

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The subwoofer shall contain one 15-inch, high-excursion, low-frequency transducer in a ported enclosure.

The subwoofer shall meet the following performance specifications: On-axis system frequency range shall be 35 Hz to 130 Hz (-10 dB) with the use of recommended active equalization. The loudspeaker sensitivity shall be 90 dB SPL (free-field) and 96 dB SPL (half-space) in an anechoic environment with Bose AMS115 loudspeaker processing voicing with 1 W input at 1 meter. The long-term power handling rating shall be 500 W (Bose extended-lifecycle test using pink noise filtered to meet IEC268-5, 6 dB crest factor, 500-hour duration). Maximum continuous output shall be 117 dB SPL (free-field), 123 dB (half-space) and the maximum peak output shall be 124 dB SPL (free-field), 130 dB SPL (half-space), all with Bose EQ voicing.

The loudspeaker shall be constructed of Baltic birch plywood with a 2-part polyurethane coating in black. The transducer and ports shall be located behind a perforated steel grille with a powder-coated finish. The loudspeaker shall have 12 sealed M10 suspension points. The loudspeaker shall provide threaded inserts for the optional attachment of standard casters provided by third-party manufacturers. The loudspeaker shall have a threaded M20 speaker pole adapter for the optional attachment of a standard threaded speaker pole. Input connectors shall be 2 Neutrik NL4 with wired-parallel through connection. The loudspeaker shall be suited for permanent indoor use or temporary outdoor use. The loudspeaker shall have a nominal rated impedance of 8 ohms. Loudspeaker dimensions shall be 470 x 470 x 508 mm (18.5 x 18.5 x 20.0 in) and net weight shall be 28.39 kg (62.60 lbs). The loudspeaker shall be the AMS115 compact subwoofer.