DesignMax DM6PE pendant loudspeaker

ARCHITECTS' & ENGINEERS' SPECIFICATIONS

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The loudspeaker shall contain a coaxial two-way 6.5-inch woofer and 1.25-inch tweeter mounted within the Dispersion Alignment system.

The loudspeaker shall meet the following performance specifications: On-axis system frequency response shall be 75 Hz to 20 kHz (-3 dB) with the use of recommended active equalization. The loudspeaker sensitivity shall be 89 dB SPL in whole-space environment with Bose Professional EQ voicing with 1 W input at 1 meter. The long-term power handling rating shall be 125 W (AES test methodology using IEC system noise, 2-hour duration). Maximum continuous output shall be 110 dB SPL and the maximum peak output shall be 116 dB SPL, both in whole­space environment with Bose Professional EQ voicing. The nominal coverage pattern shall be 115° conical at 1–4 kHz.

The loudspeaker shall be constructed of an engineered-plastics, UV fade-resistant baffle and enclosure. The loudspeaker shall consist of plastic materials that are resilient to cooking oil exposure. The loudspeaker shall be in compliance with the following safety standards; UL1480A, UL2239. The transducers shall be located behind a perforated steel grille with a powder­coated finish that is rotatable. The loudspeaker shall be suitable for use outdoors, with an ingress rating of IP55. 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, mounted on top. 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 2.5, 5, 10, 20, 40, 80 W and bypass (8 ohms). The loudspeaker input connections shall allow for direct connection to 70-volt, 100-volt or low-impedance amplifiers. The loudspeaker shall include a suspension cable. The cable shall be an adjustable Gripple cable at a length of 4.57 m (15.0 ft).

Loudspeaker dimensions shall be 308 × 375 mm (12.1 × 14.8 in) and net weight shall be 5.7 kg (12.5 lb) with grille.

Warranty shall be 5 years. The loudspeaker shall be the DesignMax DM6PE pendant loudspeaker.