**DesignMax DM8S surface-mounted loudspeaker**

ARCHITECTS’ & ENGINEERS’ SPECIFICATIONS

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The loudspeaker shall contain a two-way, 8-inch coaxially mounted woofer and a center-firing 1-inch compression driver.

The loudspeaker shall meet the following performance specifications: On-axis system frequency range shall be 52 Hz to 20 kHz (-10 dB) with the use of recommended active equalization. The loudspeaker sensitivity shall be 93 dB SPL in half-space environment with recommended high-pass protection with 1 W input at 1 meter. The long-term power handling rating shall be 150 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 130° conical at 1–4 kHz.

The loudspeaker shall be constructed of an engineered-plastics, UV fade resistant enclosure. The loudspeaker shall consist of PC-PBT plastic materials that are resilient to cooking oil exposure. 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 magnetically attached with a tamper-resistant design. The loudspeaker shall contain a U-bracket mounting system that attaches, adjusts and locks without the use of tools. 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 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. Loudspeaker dimensions shall be 395 × 249 × 255 mm (15.6 × 9.8 × 10.0 in) and net weight shall be 10.3 kg (22.8 lb).

Warranty shall be 5 years. The loudspeaker shall be the DesignMax DM8S surface mounted loudspeaker.