**DesignMax DM8SE 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-ABS 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 aluminum 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, adjusts and locks without the use of tools. 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. 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 DM8SE surface mounted loudspeaker.