

## DesignMax DM10S-SUB surface-mounted loudspeaker

### ARCHITECTS' & ENGINEERS' SPECIFICATIONS

OCTOBER 2019

The loudspeaker shall contain a 10-inch woofer.

The loudspeaker shall meet the following performance specifications: On-axis system frequency response 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, both in half-space environment with Bose EQ voicing. 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 (19.78 x 12.45 x 12.70 in) and net weight shall be 16.10 kg (35.5 lbs).

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