



9849-8A AND 9849-8D COMPACT STUDIO MONITOR SPEAKER SYSTEMS



9849-8D



9849-8A

DESCRIPTION

The ALTEC 9849-8A and 9849-8D Compact Studio Monitor Speaker Systems offer performance advantages normally associated with full-sized monitor loudspeakers, and are designed for all applications where extended frequency response, low distortion and wide dynamic range are a requisite. The bass loudspeaker is capable of producing extended low-frequency response with very low distortion, even when driven to exceptionally high power levels. The dividing network includes an RC circuit in parallel with the low-frequency load to stabilize the input impedance of the network at 8 ohms. Frequencies above 1500 Hz are handled by a

compression driver mounted on a sectoral high-frequency horn.

The enclosure is made from $\frac{3}{4}$ " material, has no demountable panels and is heavily braced internally. The high-frequency horn is located close to the low-frequency section, resulting in the smoothest possible transition from bass to treble sources.

The 9849-8A is finished in dark gray utility lacquer with black stretch grille fabric. The 9849-8D has an appealing hand-rubbed oil finish on rift-cut oak, with dark brown stretch grille cloth.

SPECIFICATIONS

Power Rating: 60 watts continuous pink noise, 20 Hz to 20 kHz

Frequency Response: 40 Hz to 15 kHz

Pressure Sensitivity: 94 dB SPL measured at 4' (1.219 m) on axis with 1 watt input of pink noise from 500 Hz to 3000 Hz (Ref.: 0.0002 dyne/cm²). Equal to EIA rating of 47 dB SPL measured at 30' (9.144 m) on axis with 1 milliwatt input.

Distribution Pattern: 90° horizontal x 40° vertical

Crossover Frequency: 1500 Hz with 12 dB/octave crossover slope

System Resonant Frequency: 65 Hz

Impedance: 8 ohms

Input Connections: Push/clip terminals

Enclosure: Sturdy 3/4" material, structurally reinforced, lined with acoustical damping material, and having demountable snap-in grille

Finish—

9849-8A: Dark gray utility lacquer. Black stretch grille fabric.

9849-8D: Hand-rubbed oil finish on rift-cut oak. Dark brown stretch grille cloth.

Dimensions: 24" (61.0 cm) H x 20 1/2" (52.1 cm) W x 15 1/4" (38.7 cm) D

Weight: 60 pounds (27.2 kg)

ARCHITECT'S AND ENGINEER'S SPECIFICATIONS

The compact studio monitor speaker system shall consist of a compression driver mounted on a sectoral high-frequency horn, a 12" low-frequency loudspeaker and a 1500 Hz, 8-ohm dividing network having an impedance-stabilizing circuit.

The system shall meet the following performance criteria. Power rating, 60 watts continuous pink noise from 20 Hz to 20 kHz. Frequency response, from 40 Hz to 15 kHz. Pressure sensitivity, 94 dB SPL when measured at 4' on axis with 1 watt input of band-limited pink noise from 500 to 3000 Hz (Ref.: 0.0002 dyne/cm²). Crossover frequency, 1500 Hz with 12 dB/octave crossover slope. Distribution pattern, 90°

horizontal x 40° vertical. Impedance, 8 ohms. The system shall be 24"H x 20 1/2"W x 15 1/4"D and shall weigh 60 pounds.

The enclosure shall be constructed of 3/4" material, heavily braced internally, with no demountable panels, and shall be lined with acoustical damping material.

The compact studio monitor speaker system finished in dark gray utility lacquer with black grille fabric shall be the ALTEC Model 9849-8A.

The compact studio monitor speaker system finished in hand-rubbed oil on rift-cut oak with dark brown grille fabric shall be the ALTEC Model 9849-8D.



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