



DESCRIPTION

The 9848A Studio Monitor Speaker System manifests unmatched sound quality where extended frequency response, low distortion, wide dynamic range and high power levels are in demand. Circuitry of the dividing network compensates for the inductive rise in the two low-frequency loudspeakers and stabilizes the input impedance at 8 ohms. Frequencies above 700 Hz are handled by a compression driver coupled to a sectoral high-frequency horn.

The enclosure is constructed of heavily braced

$\frac{3}{4}$ " material and is lined with acoustic damping material. The low-frequency section is sealed. The enclosure is finished in spatter-textured, light gray resilient epoxy enamel and includes a grille of attractive black fabric stretched on a snap-in frame.

The wide frequency range and controlled sound-distribution pattern permits the 9848A to be used wherever high-quality sound reproduction is required.

SPECIFICATIONS

Power Rating:	Up to 200 watts of pink noise	Input Connections:	Standard GR-type 5-way binding posts. Provision is made to conveniently disconnect the speakers from the dividing network for bi-amplified applications.
Frequency Response:	20 Hz to 15 kHz	Enclosure:	Sturdy $\frac{3}{4}$ " material, structurally reinforced. Includes fiberglass acoustical damping material and demountable snap-in grille.
Pressure Sensitivity:	96 dB SPL measured at 4' (1.22 m) on axis with 1 watt input of pink noise from 500 Hz to 3000 Hz (Ref.: 0.0002 dyne/cm ²). Equal to EIA rating of 49 dB SPL measured at 30' (9.15 m) on axis with 1 milliwatt input.	Finish:	Light gray resilient epoxy enamel, spatter texture. Black grille fabric.
Distribution Pattern:	90° horizontal by 40° vertical	Dimensions:	49"H x 34"W x 23 $\frac{1}{4}$ "D (124.5 cm H x 86.4 cm W x 59.1 cm D)
Crossover Frequency:	700 Hz with 12 dB/octave slope	Weight:	200 pounds (90.7 kg)
System Resonant Frequency:	32 Hz		
Impedance:	8 ohms		

ARCHITECT'S AND ENGINEER'S SPECIFICATIONS

The studio monitor speaker system shall consist of a horn-loaded high-frequency driver loudspeaker, two low-frequency loudspeakers, and a 700 Hz, 8-ohm dividing network having an impedance stabilizing circuit. The low-frequency loudspeakers shall be loaded in a sealed enclosure. The studio monitor speaker system shall meet the following performance criteria. Frequency response, from 20 Hz to 15 kHz. Pressure sensitivity, 96 dB SPL when measured at 4' on axis with 1 watt input of band-limited pink noise from 500 Hz to 3000 Hz (Ref.: 0.0002 dyne/cm²). Crossover frequency, 700 Hz with 12 dB/octave slope. Power rating, up to 200 watts continuous pink noise. Distribution pattern, 90° horizontal by 40° vertical. Impedance, 8 ohms.

The enclosure shall be constructed of $\frac{3}{4}$ " material, heavily braced, and lined with acoustic damping material. It shall be finished in light gray spatter texture resilient epoxy enamel. The grille shall be black fabric stretched on a demountable snap-in frame. The system shall be 49"H x 34"W x 23 $\frac{1}{4}$ "D and shall weigh 200 pounds.

The studio monitor speaker system shall be the ALTEC Model 9848A.

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