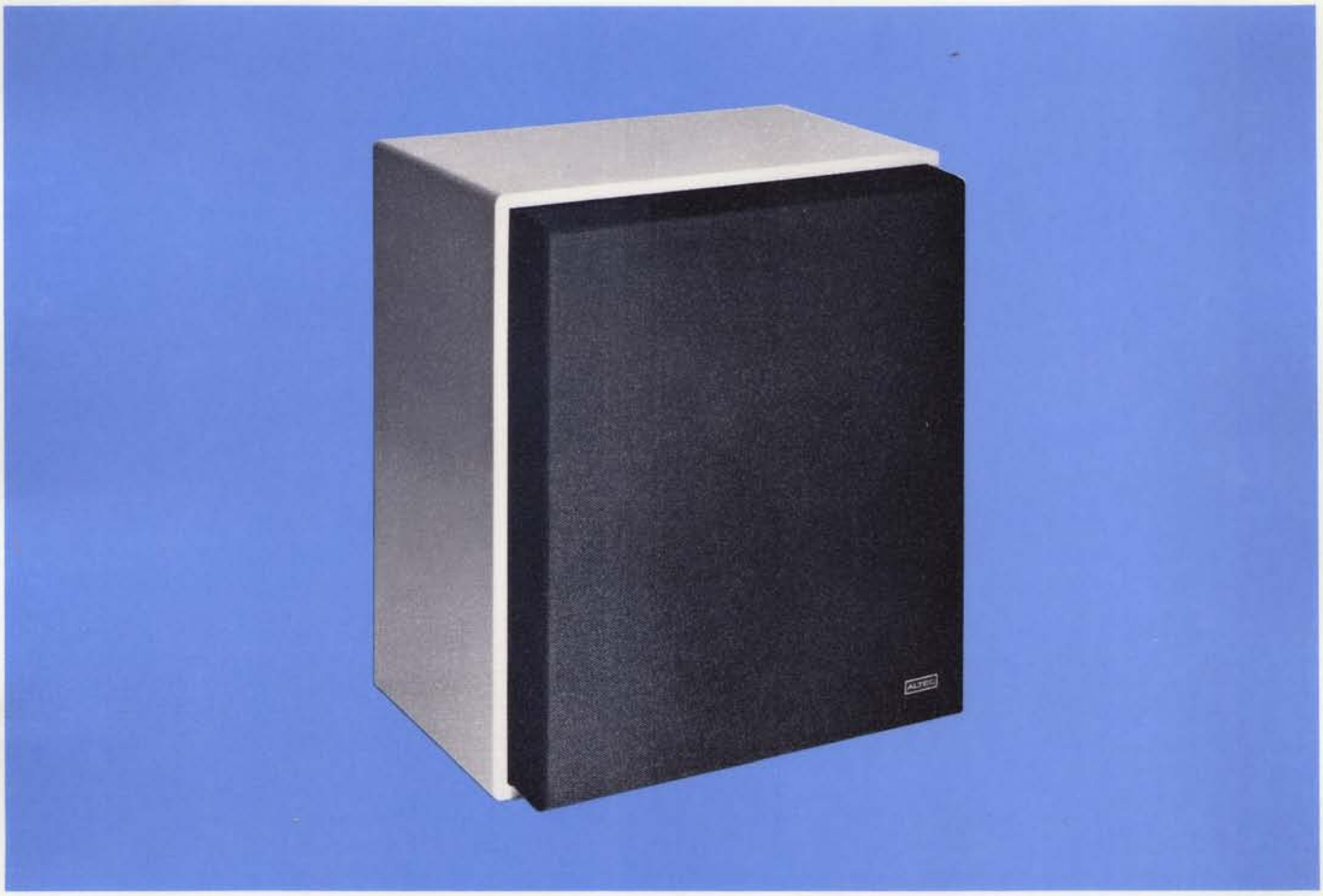
ALTEC
SOUND PRODUCTS DIVISION

9846-8A STUDIO MONITOR SPEAKER SYSTEM



DESCRIPTION

The ALTEC 9846-8A Studio Monitor Speaker System is designed for applications where extended frequency response, low distortion and wide dynamic range are required. 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 has a continuously variable "L" pad for shelving adjustment from 0 dB to approximately 10 dB attenuation. Frequencies above 500 Hz are handled by a compression driver mounted on a sectoral high-frequency horn.

The housing is a sealed enclosure constructed of ¾-inch material. It has no demountable panels and is heavily braced. The enclosure is finished in light gray resilient epoxy spatter-textured paint and includes a black grille cloth. Typical applications for the 9846-8A include recording studio control room monitoring, remix studios, mastering rooms, audition rooms, broadcast studio monitoring and playback, auditoriums, nightclubs, conference rooms, theatres, and church sound reinforcement systems.

SPECIFICATIONS

Power Rating:	Up to 100 watts pink noise
Frequency Response:	25 Hz to 20 kHz
Pressure Sensitivity:	93.0 dB SPL measured at 4 feet (1.219m) on axis with 1 watt input of pink noise from 500 to 3000 Hz (Ref.: 0.0002 dyne/cm^2). Equal to EIA rating of 46.0 dB SPL measured at 30 feet (9.44m) on axis with 1mW input.
Distribution Pattern:	90° horizontal x 40° vertical
Crossover Frequency:	500 Hz with 12 dB/octave slope
Impedance:	8 ohms
Input Connections:	Spring-loaded terminals for use with tinned or stripped leads
Speaker System Components:	1 ALTEC 411-8A LF Speaker 1 ALTEC 511B Sectoral Horn 1 ALTEC 802-8D HF Driver Loudspeaker 1 ALTEC N501-8A Dividing Network 1 ALTEC 30923 Attenuator/ Equalizer Network
Dimensions:	31" H x 26.5" W x 23.75" D (78.74 cm H x 67.31 cm W x 60.33 cm D)
Finish:	Light gray resilient epoxy enamel, spatter finish. Black grille fabric.
Weight:	105 pounds (47.54 kg)

ARCHITECT'S AND ENGINEER'S SPECIFICATIONS

The studio monitor speaker system shall consist of a horn-loaded high-frequency driver loudspeaker, a low-frequency loudspeaker and a 500 Hz, 8-ohm crossover network. The low-frequency component shall be loaded in a sealed enclosure.

The studio monitor speaker system shall meet the following performance criteria. Frequency response, from 25 Hz to 20 kHz. Pressure sensitivity, 93.0 dB SPL with 1 watt input of pink noise from 500 to 3000 Hz measured on axis 4' from front of speaker system (Ref.: 0.0002 dyne/cm^2 for 0 dB SPL). Crossover frequency, 500 Hz with 12 dB/octave slope. Distribution pattern, 90 degrees horizontal by 40 degrees vertical. Minimum impedance, 8 ohms.

The enclosure shall be constructed of ¾-inch material heavily braced with no demountable panels, and shall be finished in light gray spatter texture resilient epoxy enamel. The grille shall be black fabric stretched on a demountable frame.

The studio monitor speaker system shall be the Altec Model 9846-8A.

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