

**ALTEC  
LANSING**

## 849-8B COLUMN SPEAKER SYSTEM



### DESCRIPTION

The ALTEC 849-8B Column Speaker System has five loudspeakers and a dual-impedance line-matching transformer assembled in a sturdy enclosure. Sound projected from the column is distributed in a wide horizontal pattern but in a narrow vertical pattern, allowing sound energy to be concentrated more effectively in reverberant spaces or rooms with low ceilings.

Finish is in attractive, durable, gray spatter enamel that can also serve as a primer if room decor makes refinishing desirable. The transformer provides 8-ohm or 125-ohm (70.7V) connections directly by selecting appropriate external hookup terminals. The five ALTEC 405-8H speakers are noted for smooth, extended frequency response.

## SPECIFICATIONS

<b>Power Rating:</b>	80 watts program material. Up to 40 watts of band-limited pink noise (150-20,000 Hz)	<b>Impedance:</b>	8 ohms 125 ohms (40W at 70.7V) 250 ohms (20W at 70.7V) 500 ohms (10W at 70.7V)
<b>Frequency Response:</b>	150-15,000 Hz	<b>Distribution Pattern:</b>	Horizontal, 120° (160° and more at 4000 Hz and lower); vertical, 20° (30° and more at 1200 Hz and lower)
<b>Pressure Sensitivity:</b>	95 dB SPL measured at 4' on axis with 1 watt input of band-limited pink noise from 500-3000 Hz (Ref.: 0.0002 dyne/cm <sup>2</sup> )	<b>Dimensions:</b>	29" (73.7 cm) H x 7" (17.8 cm) W x 6¼" (15.9 cm) D
<b>Equivalent EIA Rating:</b>	48 dB SPL measured at 30' with 1 mW input	<b>Weight:</b>	22 pounds, 8 ounces (10.2 kg)
		<b>Finish:</b>	Gray spatter enamel

## ARCHITECT'S AND ENGINEER'S SPECIFICATIONS

The column speaker system shall consist of a dual-impedance line-matching transformer and five 4-inch cone type radiators vertically arrayed and assembled in a rigid enclosure. The system shall meet the following performance criteria. Power rating, up to 40 watts of band-limited pink noise (150-20,000 Hz). Frequency response, 150-15,000 Hz. Pressure sensitivity, 95 dB SPL when measured at 4' on axis with 1 watt input of band-limited pink noise from 500-3000 Hz (Ref.: 0.0002 dyne/cm<sup>2</sup>). Impedance; selectable, 8 ohms and three 70.7V taps at 125 ohms (40W), 250 ohms (20W), and 500 ohms (10W). Distribu-

tion pattern; 120° horizontal (160° and more at 4000 Hz and lower), 20° vertical (30° and more at 1200 Hz and lower).

The enclosure shall meet the following requirements. Construction; rigid ½" material, heavily braced. Grille, snap-in type. Dimensions, 29" H x 7" W x 6¼" D. Weight; 22 pounds, 8 ounces. Finish, gray spatter enamel. Fiberglass sound absorbent material shall be included. The cabinet shall be sealed front and rear against dirt and dust.

The column speaker system shall be the ALTEC Model 849-8B.



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