



#### DESCRIPTION

The ALTEC 403A Loudspeaker is a moderately priced, wide-range unit, designed specifically for use in indoor public address and music reproduction systems.

The 403A is especially desirable in multiple-speaker applications because of its reasonable initial cost and high quality. It can be flush-

mounted in either wall, ceiling or baffle installations. All metal parts are heavily cadmium plated. A bracket is provided for mounting a 70-volt ALTEC 15132 Line Transformer. Rugged voice coil construction assures a long life of trouble-free performance. These features make the 403A an excellent choice where quality and initial cost are important.



## SPECIFICATIONS

<b>Power Rating:</b>	12 watts	<b>Magnet Structure—</b>	
<b>Frequency Response:</b>	70-11,000 Hz	<b>Magnet Type:</b>	Alnico V
<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. Equal to EIA rating of 48 dB SPL at 30' with 1 milliwatt input (Ref.: 0 dB = 0.0002 dyne/cm <sup>2</sup> )	<b>Flux Density:</b>	9000 gauss
<b>Impedance:</b>	8 ohms	<b>Magnet Weight:</b>	6.80 ounces
<b>Nominal Free-Air Cone Resonance:</b>	80 Hz	<b>Dimensions:</b>	8 $\frac{5}{8}$ " (21.11 cm) diameter 4" (10.16 cm) deep
<b>Voice Coil Diameter:</b>	1"	<b>Weight:</b>	3 pounds (1.36 kg)
		<b>Mounting Data—</b>	
		<b>Mounting Hole Diameter:</b>	7 $\frac{1}{8}$ " (18.10 cm)
		<b>Mounting Bolt Centers:</b>	4 holes equally spaced on 7 $\frac{3}{4}$ " (19.69 cm) diameter circle

## ARCHITECT'S AND ENGINEER'S SPECIFICATIONS

The loudspeaker shall be 8 $\frac{5}{8}$ " in diameter and 4" deep. The voice coil shall have a diameter of 1" and shall operate in a magnetic field of at least 9000 gauss derived from an Alnico V magnet weighing at least 6.80 ounces. The loudspeaker shall meet the following performance criteria. Power rating, 12 watts. Frequency response, uniform from 70-11,000 Hz. Pressure sensitivity, 95 dB SPL measured at 4' on axis with 1 watt input of band-limited pink noise from 500-3000 Hz. Impedance, 8 ohms. Nominal free-air cone resonance, 80 Hz. Weight, 3 pounds.

The loudspeaker shall be the ALTEC Model 403A.

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