

ALTEC
SOUND PRODUCTS DIVISION

New
**403T
LOUDSPEAKER**



DESCRIPTION

The ALTEC 403T Loudspeaker is a moderately priced, wide-range unit, designed specifically for use in indoor public address and music reproduction systems. An ALTEC 15132 70-volt transformer is incorporated for use in distributed sound systems.

The 403T 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. Rugged voice coil construction assures long life and trouble-free performance.

SPECIFICATIONS

Power Rating:	12 watts	Nominal Free-Air Cone Resonance:	80 Hz
Frequency Response:	70-11,000 Hz	Voice Coil Diameter:	1"
Pressure Sensitivity:	95 dB SPL measured at 4' on axis with 1 watt input of pink noise, band-limited 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 ²).	Magnet Structure—	
		Magnet Type:	Alnico V
		Flux Density:	9000 gauss
		Magnet Weight:	6.80 ounces
Transformer Data—		Mounting Data—	
Load Impedance Secondary:	8 ohms	Mounting Hole Diameter:	7 ¹ / ₈ " (18.1 cm)
Audio Watts Primary:	4, 2, 1 and 0.5 watts	Mounting Bolt Centers:	4 holes equally spaced on 7 ³ / ₄ " (19.7 cm) diameter circle
Maximum Insertion Loss:	1.0 dB	Dimensions:	8 ⁵ / ₁₆ " (21.1 cm) diameter 4 ¹ / ₈ " (10.3 cm) deep
Frequency Response:	±1 dB, 100-10,000 Hz	Weight:	3 pounds, 8 ounces (1.6 kg)
Terminals:	¼" spade lug type		

ARCHITECT'S AND ENGINEER'S SPECIFICATIONS

The loudspeaker shall be 8⁵/₁₆" in diameter and 4¹/₈" 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 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 pink noise, band-limited from 500-3000 Hz. Nominal free-air cone resonance, 80 Hz. Load

impedance secondary, 8 ohms. A 70-volt line transformer shall be incorporated for use in distributed systems, and shall have a frequency response of ±1 dB from 100-10,000 Hz, with maximum insertion loss of 1.0 dB and primary wattage taps of 4, 2, 1 or 0.5 watts. Weight; 3 pounds, 8 ounces.

The loudspeaker shall be the ALTEC Model 403T.

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