



DESCRIPTION

The ALTEC 405T Loudspeaker is a compact 4" speaker that provides the utmost in performance obtainable from a speaker of this size. Clear, intelligible speech and good music reproduction are ensured because of the extended 60-15,000 Hz range. An ALTEC 15132 70-volt transformer is incorporated for use in distributed sound systems.

The 405T is designed for continuous, trouble-free service. The frame and housing of the magnetic structure are made of heavy-gauge steel. The small size of the speaker allows either front or rear mounting in walls, partitions or ceilings, and into volumes as low as 0.1 cubic feet.

SPECIFICATIONS

Power Rating:	10 watts continuous pink noise (above 50 Hz)	Magnet Structure —	
Frequency Response:	60-15,000 Hz	Magnet Type:	Ceramic (V)
Pressure Sensitivity:	91 dB SPL measured at 4' on axis with 1 watt input of pink noise, band-limited from 500-3000 Hz (Ref.: 0 dB = 0.0002 dyne/cm ²)	Magnet Weight:	1¾ pounds
		Flux Density:	10,250 gauss
Transformer Data —		Mounting Data —	
Load Impedance		Baffle Opening:	3 ¹³ / ₁₆ " (9.7 cm) diameter (rear mounted) 4 ⁵ / ₃₂ " (10.6 cm) diameter (front mounted)
Secondary:	8 ohms	Mounting Bolt Centers:	4 equally spaced 0.200" diameter holes at 90° on 4 ¹¹ / ₁₆ " (11.9 cm) diameter circle
Audio Watts			
Primary:	4, 2, 1 and 0.5 watts	Dimensions:	4 ⁷ / ₁₆ " (11.3 cm) H 4 ⁷ / ₁₆ " (11.3 cm) W 4 ¹ / ₁₆ " (10.3 cm) D
Maximum		Weight:	2 pounds, 9 ounces (1.2 kg)
Insertion Loss:	1.0 dB	Color:	ALTEC green
Frequency Response:	±1 dB, 100-10,000 Hz		
Terminals:	¼" spade lug type		
Nominal Free-Air Cone Resonance:	120 Hz		
Distribution Pattern:	90°		
Voice Coil Diameter:	1"		

ARCHITECT'S AND ENGINEER'S SPECIFICATIONS

The loudspeaker shall meet the following criteria. Power rating, 10 watts. Frequency response, uniform from 60-15,000 Hz. Pressure sensitivity; 91 dB SPL when measured at 4' on axis with 1 watt input of pink noise, band-limited from 500-3000 Hz (Ref.: 0 dB = 0.0002 dyne/cm²). 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. Nominal free-

air cone resonance, 120 Hz. The voice coil shall have a diameter of 1", and shall operate in a magnetic field of 10,250 gauss derived from a Ceramic (V) magnet weighing at least 1¾ pounds. The speaker terminals shall be a ¼" spade lug type. The loudspeaker shall be able to perform efficiently in a volume as low as 0.1 ft³. The loudspeaker frame shall be of solid, welded steel construction. Dimensions, 4⁷/₁₆" square by 4¹/₁₆" deep. Weight; 2 pounds, 9 ounces.

The loudspeaker shall be the ALTEC Model 405T.



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