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

Frequency Response: 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. Equal to EIA rating of 48 dB SPL at 30' with 1 milliwatt input (Ref.: 0 dB = 0.0002 dyne/cm²).

Transformer Data—

Load Impedance
Secondary: 8 ohms

Audio Watts Primary: 4, 2, 1 and 0.5 watts

Maximum Insertion Loss: 1.0 dB

Frequency Response: ±1 dB, 100-10,000 Hz

Terminals: ½” spade lug type

Nominal Free-Air Cone Resonance: 80 Hz

Voice Coil Diameter: 1”

Magnet Structure—

Magnet Type: Alnico V

Flux Density: 9000 gauss

Magnet Weight: 6.80 ounces

Mounting Data—

Mounting Hole Diameter: 7½" (18.1 cm)

Mounting Bolt Centers: 4 holes equally spaced on 7½" (19.7 cm) diameter circle

Dimensions: 8¾" (21.1 cm) diameter

4½" (10.3 cm) deep

Weight: 3 pounds, 8 ounces (1.6 kg)

**ARCHITECT'S AND ENGINEER'S SPECIFICATIONS**

The loudspeaker shall be 8½" in diameter and 4⅝" 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.