



C10A Series

8" Dual Cone Loudspeaker Available With Transformer



C10A

Features

- Acoustically Proven, General Purpose 25 Watt Loudspeaker
- Includes Choice of Factory-Installed Line-Matching Transformer
- Ideal for Multi-Purpose Commercial, Industrial and Institutional Use
- Mounts a Wide Selection of Atlas Sound Baffles

Applications

Utilize Atlas Sound's Model C10A, 8" dual-cone loudspeaker for dependable voice, music and signal reproduction in commercial, industrial and institutional communication systems. It is the industry standard for performance and service reliability in general purpose applications. Model includes a choice of four factory-installed line matching transformers to meet a wide range of project requirements.

General Description

Model C10A is a dual cone, 25 Watts 8" (203mm) loudspeaker with a 10 oz. (260g) ceramic magnet. It includes a curvilinear, treated-paper cone for lower harmonic distortion. The loudspeaker is also equipped with a full 1" diameter copper voice coil with a black-anodized aluminum former for better power dissipation.

Model C10A operates within a frequency response range of 45Hz – 19kHz with a sensitivity of 97dB and a dispersion angle of 105°. It mounts a wide variety of Atlas Sound round and square baffles and enclosures to meet functional and aesthetic application requirements.

Specifications

Size	8" (203mm)
Power Handling	15 Watts RMS
Sensitivity	97dB Peak
Impedance	8Ω Nominal
Frequency Response	45Hz–19kHz
Dispersion	105° (2kHz Octave Band, -6dB Points)
Diameter	8.125" (205mm)
Depth	2.875" (73mm)

Mounting Dimensions	7.625" (194mm) Bolt Circle
Voice Coil Diameter	1" (25mm)
Voice Coil Former Material	Black Anodized Aluminum
Weight	32oz. (908g)

Transformer Specifications

C10AT25

Includes Transformer	LT-25
Primary Voltage	25V
Transformer Frequency Response	100Hz – 10kHz, (±1.5dB)
Primary Taps	.5, 1, 2, & 5 Watts
Secondary Impedance	8Ω
Insertion Loss	1.5dB
Core Size	½" x ⅝" (13 x 16mm)
Power Rating	5 Watts

C10AT70

Includes Transformer	LT-70
Primary Voltage	70.7V
Transformer Frequency Response	100Hz – 10kHz, (±1.5dB)
Primary Taps	.5, 1, 2, & 5 Watts
Secondary Impedance	8Ω
Insertion Loss	1.5dB
Core Size	½" x ⅝" (13 x 16mm)
Power Rating	5 Watts

C10AT72

Includes Transformer	LT-72
Primary Voltage	25V/70.7V
Transformer Frequency Response	100Hz – 10kHz, (±1.5dB)
Primary Taps	.5, 1, 2, & 4 Watts
Secondary Impedance	8Ω
Insertion Loss	1.5dB
Core Size	½" x ⅝" (13 x 16mm)
Power Rating	4 Watts

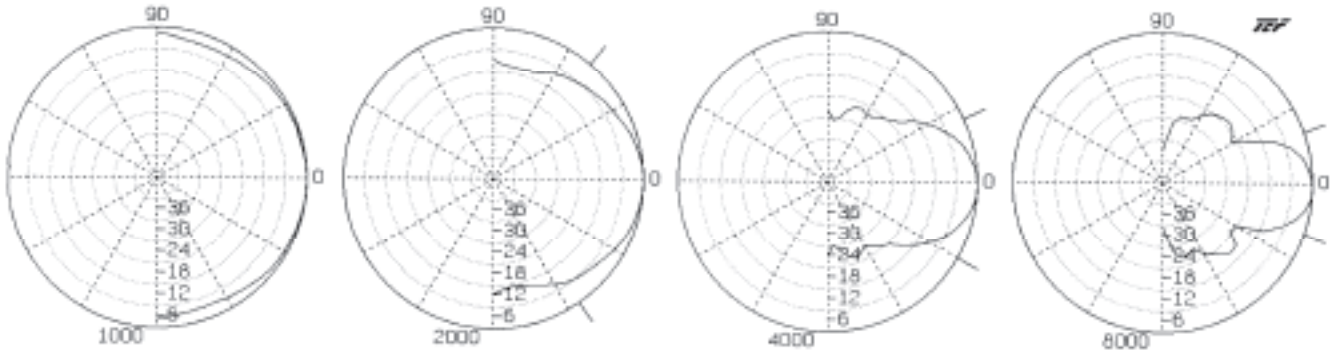
Architect and Engineer Specifications

Unit shall be Atlas Sound 8" loudspeaker Model _____ or loudspeaker / transformer combination Model _____ (utilizing line-matching transformer Model _____). It shall have a (10oz.) ceramic magnet and a seamless cone. Frequency response range shall be _____.

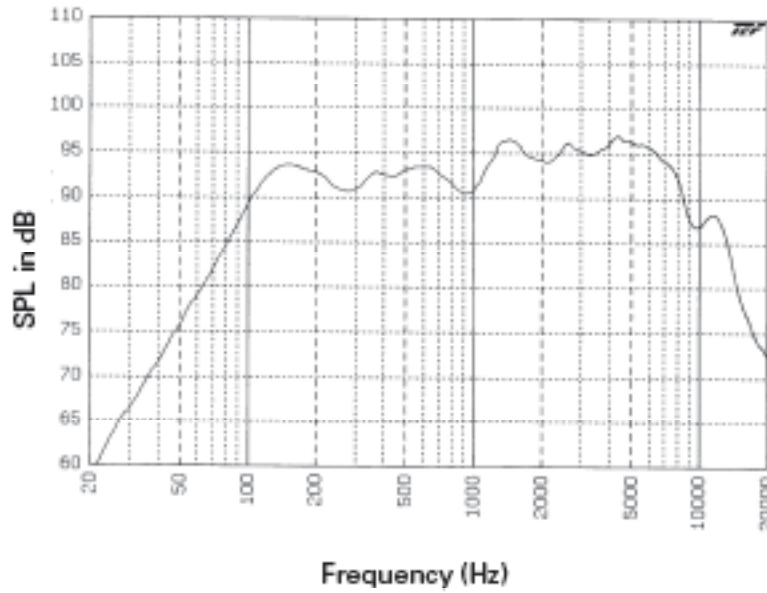
Sensitivity shall be _____. Voice coil shall be black anodized aluminum to help dissipate heat, have an impedance of 8Ω and a diameter of 1" (25mm). Transformer primary voltage shall be ____ with a frequency response range of _____. Insertion loss shall not exceed _____.

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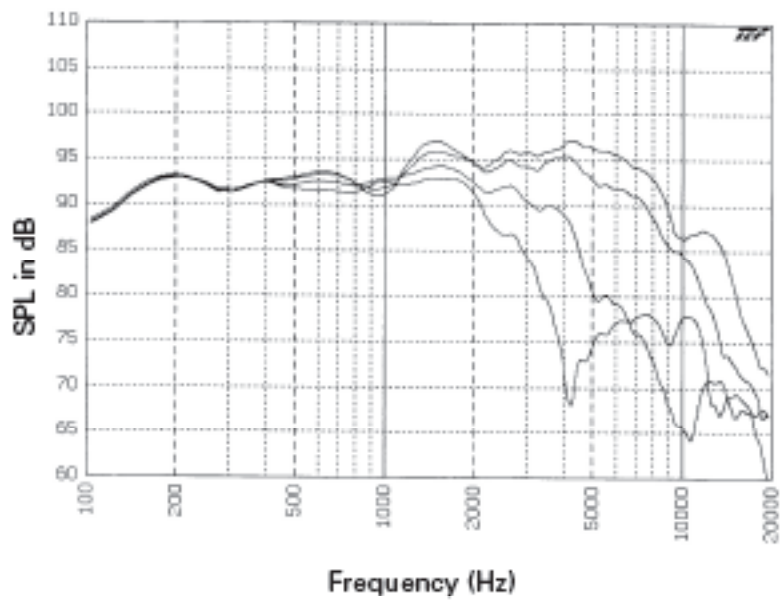
C10A Polars (Normalized to Zero on Axis) (-6dB)



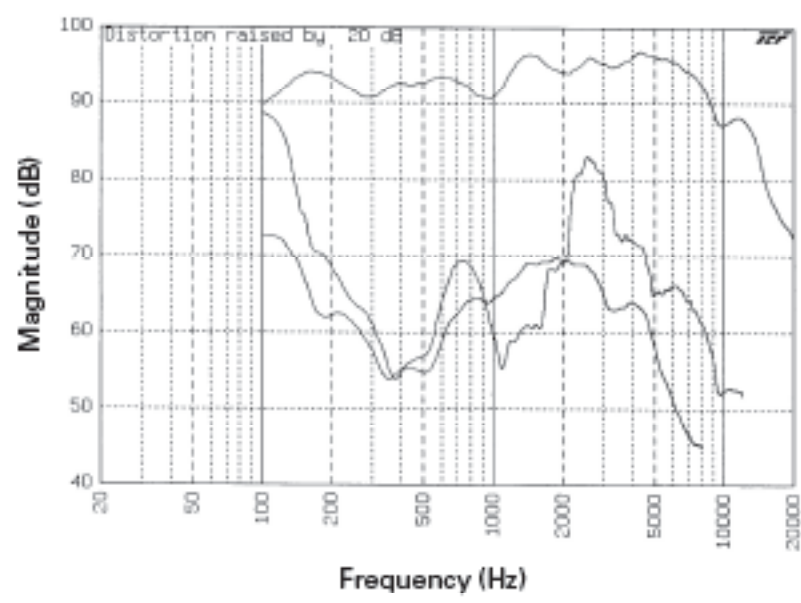
C10A Frequency Response



C10A Frequency Response Overlay



C10A Harmonic Distortion



C10A Impedance

