



# C5A Series

## 8" Dual Cone Loudspeaker Available With Transformer



C5A

### Features

- Industry Standard Value Loudspeaker with Proven Performance
- Available with 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 dual-cone loudspeaker for voice transmission, music and signal reproduction in commercial, industrial, and institutional applications. Model C5A is an economical, multi-purpose loudspeaker with choice of three factory-installed line matching transformers to meet a variety of value-conscious project requirements.

### General Description

Model C5A is a reliable, economically priced 15 watt loudspeaker that offers many features found in speakers costing considerably more. It includes a curvilinear, treated-paper cone for lower harmonic distortion. It is also equipped with a full 1" diameter copper voice coil with a black-anodized aluminum former for better power dissipation.

Model C5A operates within a frequency response range of 50Hz –18kHz with a sensitivity of 96dB 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	10 Watts RMS
Sensitivity	96dB Peak
Impedance	8Ω Nominal
Frequency Response	50Hz – 18kHz
Dispersion	105° (2kHz Octave Band, -6dB Points)
Diameter	8.125" (205mm)
Depth	2.625" (67mm)
Mounting Dimensions	7.625" (194mm) Bolt Circle
VC Diameter	1" (25mm)
VC Former Material	Black Anodized Aluminum
Weight	22oz. (607g)

### Transformer Specifications

#### C5AT25

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

#### C5AT70

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

#### C5AT72

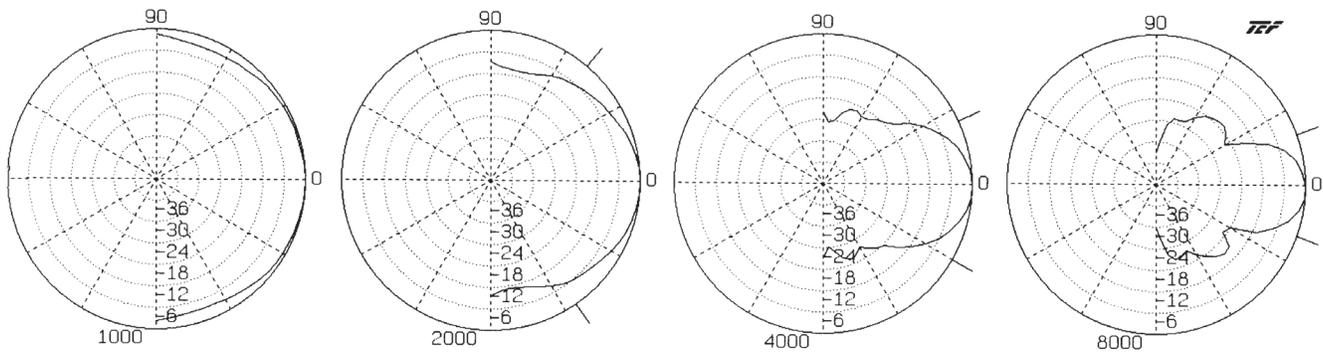
Includes Transformer	LT-72
Primary Voltage	25V/70.7V
Transformer Frequency Response	100Hz – 10kHz, (±1.5dB)
Primary Taps	.5, 1, 2, & 4 Watts
Secondary Impedance	8Ω
Insertion Loss	1.5dB
Core Size	½" x ⅝" (13 x 16mm)
Power Rating	4 Watts

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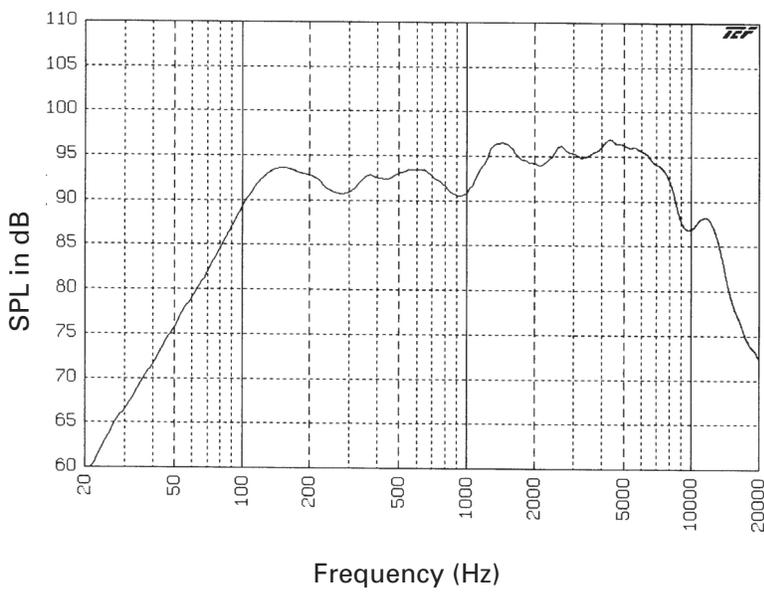
### Architect and Engineer Specifications

Unit shall be Atlas Sound 8" loudspeaker Model \_\_\_\_\_ or loudspeaker /transformer combination Model \_\_\_\_\_ (utilizing line-matching transformer Model \_\_\_\_\_). It shall have a (5oz.) ceramic magnet and a seamless cone. Frequency response range shall be \_\_\_\_\_. Sensitivity shall be \_\_\_\_\_. Voice coil shall be black anodized 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 \_\_\_\_\_.

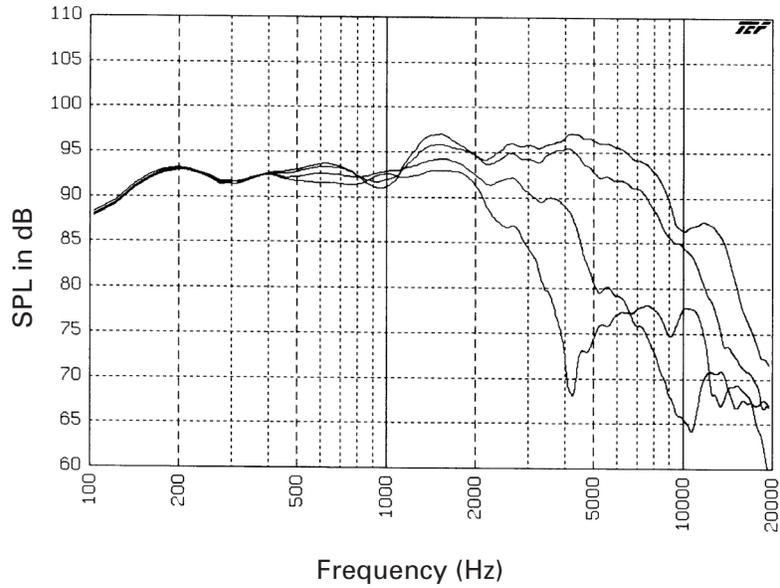
### C5A Polars (Normalized to Zero on Axis) (-6dB)



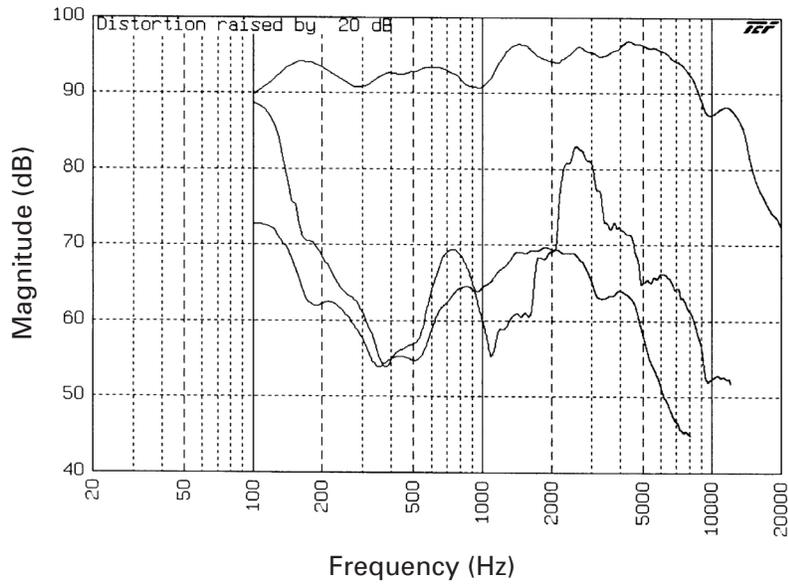
### C5A Frequency Response



### C5A Frequency Response Overlay



### C5A Harmonic Distortion



## C5A Impedance

