



(Front View) SD72 (Rear View)

SD72 SPECIFICATIONS

Size	8" (205mm)
Power Handling	25 Watts Peak, 15 Watts RMS
Sensitivity	97dB Average
Impedance	8 Ohms Nominal
Frequency Response	45Hz-19kHz Nominal, 55Hz-8kHz ±5dB
Dispersion	105° (2kHz Octave Band, -6dB Points)
Diameter & Depth	8.125" (205mm) Dia. & 2.875" (73mm) Deep
Mounting Dimensions	7.625" (194mm) Bolt Circle
Cone Material	Treated Paper
Surround Material & Damping	Damped Self Edge
Flux Density	10,600 Gauss, 1.06 Tesla
Magnet Weight	Nominal, 10oz. (260g)
Basket Material	Stamped Plated 20ga. CRS
VC Diameter	1" (25mm)
VC Material	Copper
VC Former Material	Black Anodized Aluminum
VC Winding Width	.225"
Top Plate Thickness	.239"
Weight	32oz. (908g)
THIELE-SMALL PARAMETERS	
Pe	15 watts
Fs	12Hz
Xmax	.03"
Resistance	7.3 ohms
Qts	0.8
Qes	0.95
Qms	5.2
BL	7.9 N/A
Efficiency	1.90%
Vas	.32 (ft³)
Sd	33.2 (in²)
Le@1kHz	.36mH
Mms	.39oz.
Cms	.024 in./lb.
Transformer Specifications	
Frequency Response	100Hz-10kHz (±1.5dB)
Primary Taps (Watts)	.25, .5, 1, 2, & 5
Secondary Impedance (ohms)	8 Ohms
Maximum Insertion Loss	1.5dB
Primary Termination	6" (152mm) Com. Lead Color Coded
Core Size	½" X ¾" (16 X 16mm)
Power Rating (Watts)	5

FEATURES

- 10oz dual cone speaker provides familiar response & performance
- Quality 5 watt-dual voltage transformer
- Individually packaged for stocking & ordering convenience

APPLICATIONS

The SD72 is an aggressively priced, high quality speaker/transformer package suitable for most any paging or background application including retail stores, restaurants, schools and other institutional facilities.

GENERAL DESCRIPTION

The speaker used in the SD72 is the next generation of Atlas high performance cone loudspeakers, very similar to the preceding C-Series speakers. The similarity in the sonic qualities ensures that contractors and designers who have worked with the Atlas Sound C-Series in the past will know exactly what to expect when they use the SD72. Model SD72 is a dual cone, 25 watt 8" (205mm) loudspeaker with a 10oz. (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 SD72 operates within a frequency response range of 45Hz to 19kHz (nominal) with a sensitivity of 97dB and a dispersion angle of 105°. Package includes factory installed 25/70.7V line matching transformer with tap selections ranging from .25 to 5 watts. It mounts a wide variety of Atlas Sound round and square baffles and enclosures to meet functional and aesthetic application requirements.

ARCHITECT & ENGINEER SPECIFICATIONS

Unit shall be Atlas Sound 8" loudspeaker Model SD72 utilizing line matching transformer. It shall have a (10oz.) ceramic magnet and a seamless cone. Frequency response range shall be 45Hz-19kHz (nominal). Sensitivity shall be 97dB 1W/1M. Voice coil shall be black anodized aluminum to help dissipate heat, have an impedance of 8 ohms and a diameter of 1" (25mm). Transformer primary voltage shall be 25V/70.7V with a frequency response range of 100Hz-10kHz (±1.5dB). Insertion loss shall not exceed 1.5dB.

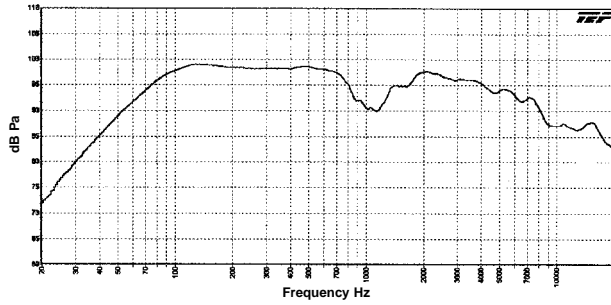
All models feature standard mounting holes to accommodate the majority of Atlas Sound 8" baffles. All mounting screws are included in the package.

Specifications subject to change without notice

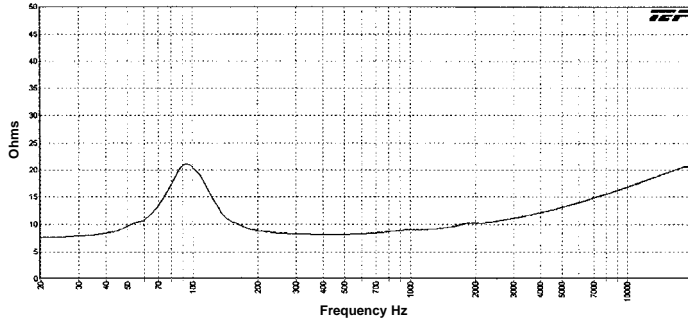


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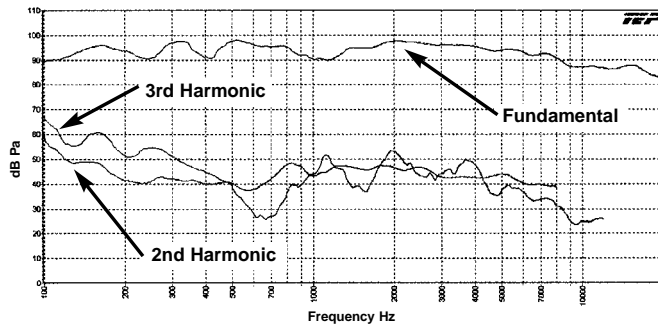
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SD72 Frequency Response
(Transformer Bypassed)

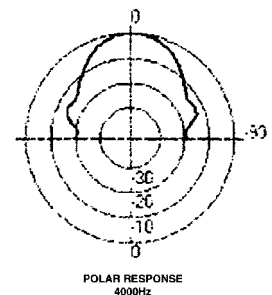
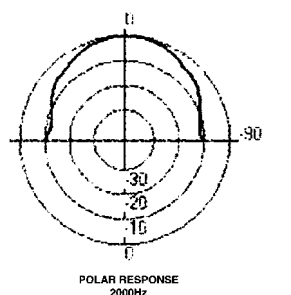
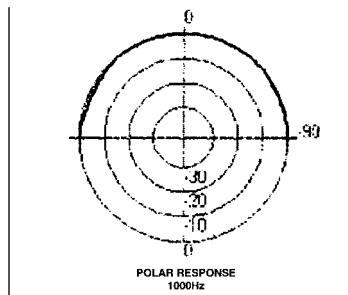
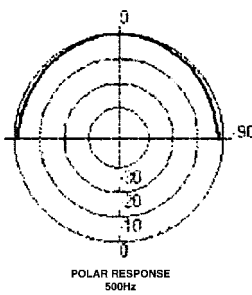


SD72 Impedance
(Transformer Bypassed)



Fundamental vs. 2nd & 3rd Harmonics
(Transformer Bypassed)

SD72 OCTAVE BAND POLARS



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