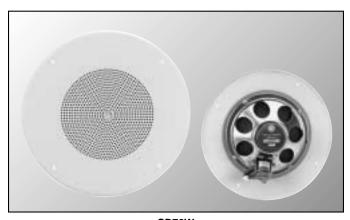


8" PREASSEMBLED SPEAKER PACKAGE W/ BAFFLE



(Front View)

SD72W

(Rear View)

| SD72W 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 20 ga. 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 | , J | | | | | |
| Pe | 15 watts | | | | | |
| Fs | 125Hz | | | | | |
| 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 | .36 mH | | | | | |
| 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 | | | | | |
| Maximum Insertion Loss | 1.5dB | | | | | |
| Primary Termination | 6" (152mm) Com. Lead Color Coded | | | | | |
| Core Size | ½" X ½" (16 X 16mm) | | | | | |
| Power Rating (Watts) | 5 | | | | | |

FEATURES

- 10oz dual cone speaker provides familiar response & performance
- Quality 5 watt-dual voltage transformer
- Attractive CRS white powder coat baffle
- Individually packaged for stocking & ordering convenience

APPLICATION

The SD72W is an aggressively priced, high quality speaker/baffle 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 SD72W 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 SD72W. Model SD72W is a dual cone, 25 watt 8" (205mm) loudspeaker with a 10oz. (260g) ceramic magnet. It includes a curvelinear, 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 SD72W operates within a frequency response range of 45Hz-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. The SD72W includes a factory installed CRS baffle with concealed loudspeaker mounting studs and includes screw mount hardware. The SD72W baffle features standard mounting holes to accommodate the majority of Atlas Sound 8" tile bridges, mounting rings and enclosures. When specifying mounting hardware be advised that the dimensions of the SD72W baffle match the Atlas Sound Model 62-8. The baffle finish is white powder coat epoxy.

ARCHITECT & ENGINEER SPECIFICATIONS

Unit shall be Atlas Sound 8" loudspeaker Model SD72W utilizing line matching transformer and white CRS baffle. 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 45Hz-19kHz (nominal). Insertion loss shall not exceed 1.5dB. Unit shall include factory installed CRS baffle. Baffle shall include welded speaker mounting studs and all necessary hardware to match the baffle to associated optional hardware. Baffle overall diameter shall not exceed 12¾" (324mm) Baffle shall be finished in white powder coat epoxy.

Specifications subject to change without notice



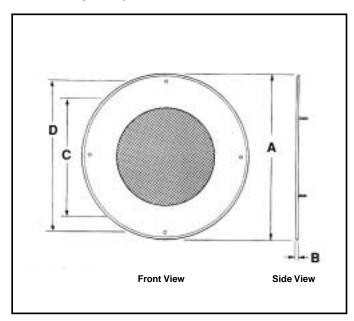
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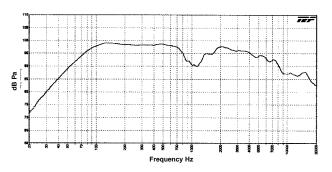
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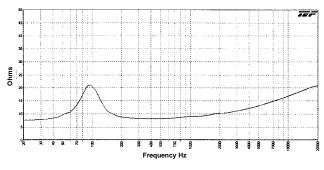
| SD72W BAFFLE INFORMATION | | | | | | | | |
|--------------------------|------------|--------------|---------|---------|---------------------------------------|---------------|--------------------|--|
| | DIMENSIONS | | | | MOUNTS | | OPTIONAL | |
| MODEL | DIA. (A) | PROJECTS (B) | (C)* | (D)** | ENCLOSURE (C | OR) MTG. RING | TILEBRIDGE | |
| SD72W | 12¾" | 1/4" | 7%" | 11¼" | (EZ)95-8 Series, T95-8 Series, | 75-8(E1)(E2), | 81-8R(S) | |
| | (324mm) | (6mm) | (194mm) | (286mm) | EZ96-8, CS95-8(NS), | 76-8(E1)(E2), | \ | |
| | , , | , , | , , | , | 199-8, Q408, 96-8 Series [♣] | P77-8, P78-8 | EQ81s [♣] | |

- (C) Speaker mounting stud pattern.
 (D) Baffle mounting hole pattern.
 EQ81 tile bridge works only with 96-8 Series enclosures.

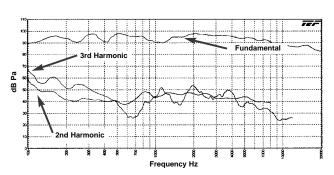




SD72W Frequency Response (Transformer Bypassed)

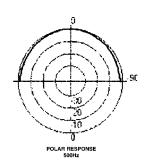


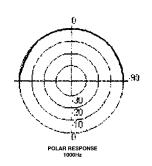
SD72W Impedance (Transformer Bypassed)

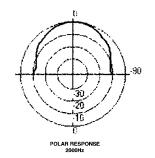


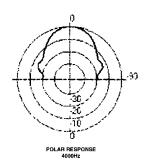
Fundamental vs. 2nd & 3rd Harmonics (Transformer Bypassed)

SD72W OCTAVE BAND POLARS









Specifications subject to change without notice



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