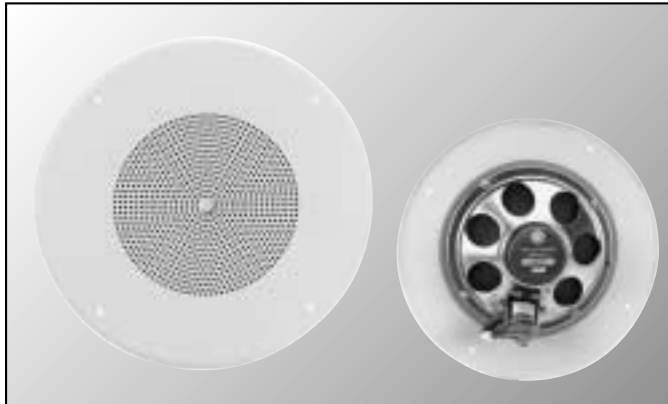




# 8" PREASSEMBLED SPEAKER PACKAGE W/ BAFFLE AND VOLUME CONTROL

SD72WV

One



(Front View) **SD72WV** (Rear View)

## SD72WV 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 $\pm$ 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)
<b>THIELE-SMALL PARAMETERS</b>	
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 (ft <sup>3</sup> )
Sd	33.2 (in <sup>2</sup> )
Le@1kHz	.36 mH
Mms	.39oz.
Cms	.024 in./lb.
<b>Transformer Specifications</b>	
Frequency Response	100Hz-10kHz ( $\pm$ 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 ¾" (16 X 16mm)
Power Rating (Watts)	5

## FEATURES

- 10oz speaker provides familiar response & performance
- Quality 5 watt-dual voltage transformer
- Attractive CRS white powder coat baffle with center mounted volume control
- Control loudspeaker volume in individual office and zone areas
- Incorporate or remove volume control knob to suit application requirements
- Individually packaged for stocking & ordering convenience

## APPLICATIONS

The SD72WV is an aggressively priced, high quality speaker/baffle transformer package with center mounted volume control suitable for most any paging or background application including retail stores, restaurants, schools and other institutional facilities. Easy-to-adjust knob style potentiometer sets output level so that audio may be heard optimally in work centers with fluctuating ambient noise, including multi-task areas, individual offices, departments and conference areas. Models feature a baffle mounted volume control knob, which can be removed to protect sound level settings from tampering and/or for aesthetic preference.

## GENERAL DESCRIPTION

The speaker used in the SD72WV 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 SD72WV. Model SD72WV 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 SD72WV 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 SD72WV includes a factory installed CRS baffle with concealed loudspeaker mounting studs and includes screw mount hardware. The SD72WV 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 SD72WV baffle match the Atlas Sound Model 62-8. The baffle finish is white powder coat epoxy. The baffle mounted volume control has a 5 watt audio rating and is factory wired to the voice coil. Units are shipped assembled, ready for installation.

## ARCHITECT & ENGINEER SPECIFICATIONS

Unit shall be Atlas Sound 8" loudspeaker Model SD72WV 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 100Hz-10kHz. Insertion loss shall not exceed 1.5dB. Unit shall include factory installed CRS baffle with center mounted volume control. Volume control knob may be removed to allow only a screwdriver adjustment. 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



1601 JACK MCKAY BLVD. / ENNIS, TEXAS 75119 U.S.A.  
TELEPHONE: (800) 876-3333 / FAX (800) 765-3435

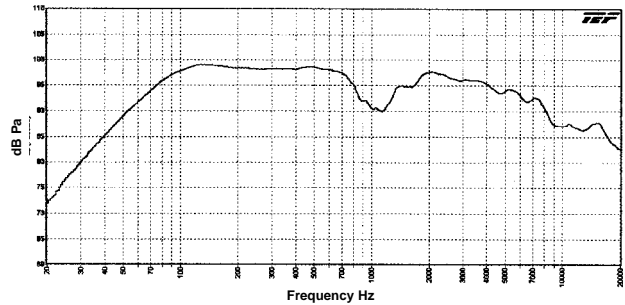
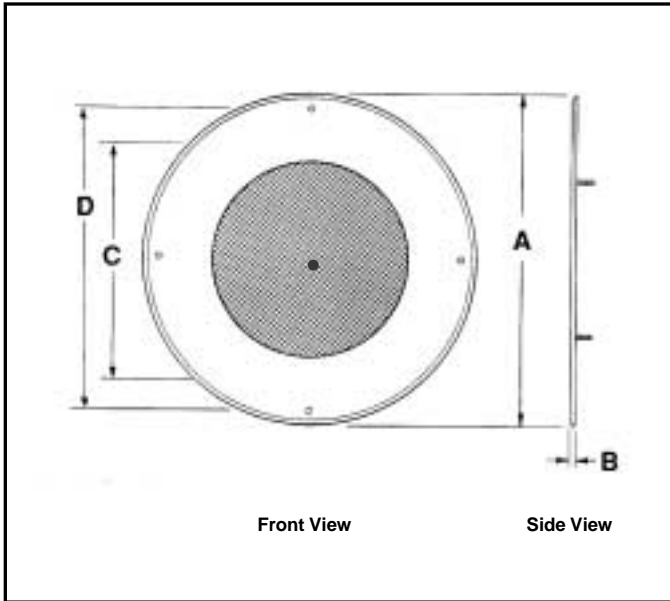
AtlasSound.com

SD72WV BAFFLE INFORMATION							
MODEL	DIMENSIONS				MOUNTS		OPTIONAL TILEBRIDGE
	DIA. (A)	PROJECTS (B)	(C)*	(D)**	ENCLOSURE (OR)	MTG. RING	
SD72WV	12 $\frac{3}{4}$ " (324mm)	$\frac{1}{4}$ " (6mm)	7 $\frac{5}{8}$ " (194mm)	11 $\frac{1}{4}$ " (286mm)	(EZ )95-8 Series, T95-8 Series, EZ96-8, CS95-8(NS), 199-8, Q408, 96-8 Series <sup>▲</sup>	75-8(E1)(E2), 76-8(E1)(E2), P77-8, P78-8	81-8R(S)  EQ81s <sup>▲</sup>

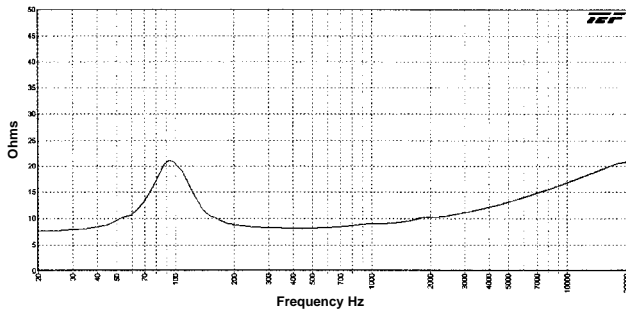
\* (C) Speaker mounting stud pattern.

\*\* (D) Baffle mounting hole pattern.

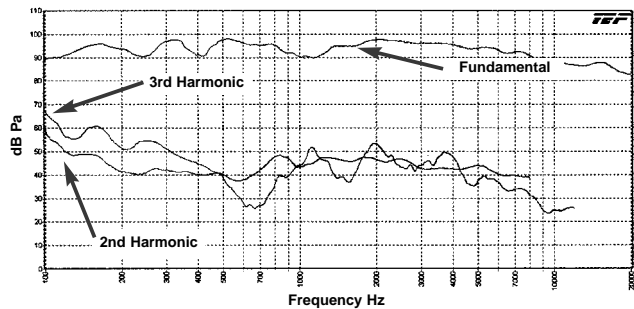
▲ EQ81 tile bridge works only with 96-8 Series enclosures.



SD72WV Frequency Response  
(Transformer Bypassed)

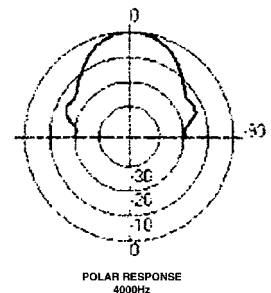
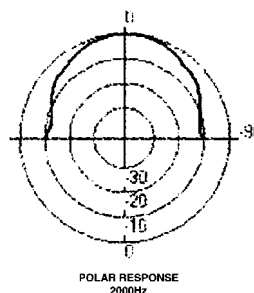
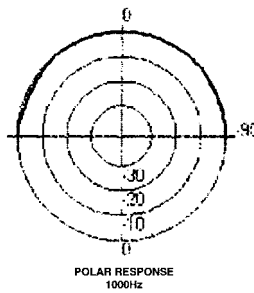
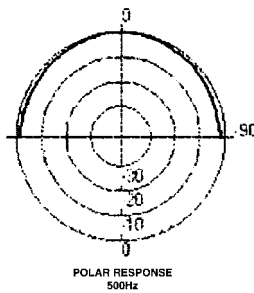


SD72WV Impedance  
(Transformer Bypassed)



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

### SD72WV OCTAVE BAND POLARS



Specifications subject to change without notice



1601 JACK MCKAY BLVD. / ENNIS, TEXAS 75119 U.S.A.  
TELEPHONE: (800) 876-3333 / FAX (800) 765-3435

AtlasSound.com