

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



- 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**

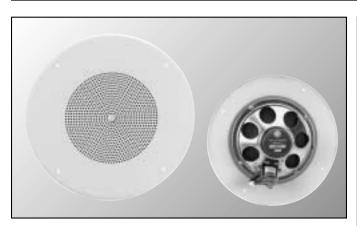
The SD72WV is an aggressively priced, high quality speaker/baffle transformer package with center mounted volume control suitable for most any paging or background application including retail stores, restaurants, schools and other institutional facilities. Easy-to-adjust knob style potentiometer sets output level so that audio may be heard optimally in work centers with fluctuating ambient noise, including multitask 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 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 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.



SD72WV

(Front View)

(Rear View)

Size         8°           Power Handling         2°           Sensitivity         9°           Impedance         8           Frequency Response         4°           Dispersion         1°           Dispersion         1°           In Diameter & Depth         8           Mounting Dimensions         7           Cone Material         Improve Material           Furnound Material & Damping         Description           Flux Density         1°           Magnet Weight         Nu           Basket Material         St           VC Diameter         1°           VC Former Material         Bl           VC Former Material         Bl           VC Winding Width         2           Important Transport Material         2           Weight         3°           THELE-SMALL PARAMETERS         1°           Pe         1°           Fs         1°           Xmax         0           Qes         0           Oms         5           BL         7           Efficiency         1           Vas         3           Sd	PECIFICATIONS  (205mm)  Watts Peak, 15 Watts RMS  dB Average Dhms Nominal Hz-19kHz Nominal, 55Hz-8kHz ±5dB 55° (2kHz Octave Band, -6dB Points) 125° (205mm) Dia. & 2.875° (73mm) Deep 125° (194mm) Bolt Circle 125° (294mm) Bolt Circle 125° (205mm) Dia. & 2.875° (73mm) Deep 126° (205mm) Bolt Circle 126° (255mm) Bolt Circle
Power Handling	Watts Peak, 15 Watts RMS dB Average Dhms Nominal Hz-19kHz Nominal, 55Hz-8kHz ±5dB 5° (2kHz Octave Band, -6dB Points) 125' (205mm) Dia. & 2.875" (73mm) Deep 525" (194mm) Bolt Circle sated Paper mped Self Edge ,600 Gauss, 1.06 Tesla minal, 10oz. (260g) amped Plated 20ga. CRS (25mm) pper cack Anodized Aluminum 25"
Sensitivity         97           Impedance         8           Frequency Response         45           Dispersion         10           Diameter & Depth         8           Mounting Dimensions         7           Cone Material         Tr           Surround Material & Damping         Do           Flux Density         10           Magnet Weight         N           Basket Material         SI           VC Diameter         1"           VC Material         Cc           VC Former Material         BI           VC Winding Width         2           Important Transport         32           THIELE-SMALL PARAMETERS           Pe         15           Fs         12           Xmax         0           Qes         0           Oms         5           BL         7           Efficiency         1           Yas         33           Le@1kHz         3           Mms         3           Cms         0	dB Average  Dhms Nominal  Hz-19kHz Nominal, 55Hz-8kHz ±5dB  5° (2kHz Octave Band, -6dB Points)  125° (205mm) Dia. & 2.875" (73mm) Deep  525" (194mm) Bolt Circle  sated Paper  mped Self Edge ,600 Gauss, 1.06 Tesla  minal, 10oz. (260g)  amped Plated 20ga. CRS  (25mm)  pper  ack Anodized Aluminum  25"  39"
Sensitivity         97           Impedance         8           Frequency Response         45           Dispersion         10           Diameter & Depth         8           Mounting Dimensions         7           Cone Material         Tr           Surround Material & Damping         Do           Flux Density         10           Magnet Weight         N           Basket Material         SI           VC Diameter         1"           VC Material         Cc           VC Former Material         BI           VC Winding Width         2           Important Transport         32           THIELE-SMALL PARAMETERS           Pe         15           Fs         12           Xmax         0           Qes         0           Oms         5           BL         7           Efficiency         1           Yas         33           Le@1kHz         3           Mms         3           Cms         0	dB Average  Dhms Nominal  Hz-19kHz Nominal, 55Hz-8kHz ±5dB  5° (2kHz Octave Band, -6dB Points)  125° (205mm) Dia. & 2.875" (73mm) Deep  525" (194mm) Bolt Circle  sated Paper  mped Self Edge ,600 Gauss, 1.06 Tesla  minal, 10oz. (260g)  amped Plated 20ga. CRS  (25mm)  pper  ack Anodized Aluminum  25"  39"
Impedance	Ohms Nominal Hz-19kHz Nominal, 55Hz-8kHz ±5dB 55° (2kHz Octave Band, -6dB Points) 125° (205mm) Dia. & 2.875" (73mm) Deep 525" (194mm) Bolt Circle sated Paper mped Self Edge ,600 Gauss, 1.06 Tesla minal, 100z. (260g) amped Plated 20ga. CRS (25mm) pper cack Anodized Aluminum 25"
Frequency Response         45           Dispersion         10           Diameter & Depth         8.           Mounting Dimensions         7.           Cone Material         Tr           Surround Material & Damping         Diameter           Flux Density         10           Magnet Weight         Nr           Basket Material         St           VC Diameter         1"           VC Material         Cc           VC Former Material         Bl           VC Winding Width         .2           Top Plate Thickness         .2           Weight         33           THIELE-SMALL PARAMETERS           Pe         15           Fs         12           Xmax         .0           Resistance         7.           Qts         0.           Oms         5.           BL         7.           Efficiency         1.           Vas         .3           Sd         .3           Le@1kHz         .3           Mms         .3           Cms         .0	Hz-19kHz Nominal, 55Hz-8kHz ±5dB 5° (2kHz Octave Band, -6dB Points) 125° (205mm) Dia. & 2.875" (73mm) Deep 525" (194mm) Bolt Circle asted Paper imped Self Edge ,600 Gauss, 1.06 Tesla aminal, 10oz. (260g) amped Plated 20ga. CRS (25mm) pper ack Anodized Aluminum 25"
Dispersion         10           Diameter & Depth         8.           Mounting Dimensions         7.           Cone Material         Tr           Surround Material & Damping         Dispersion           Flux Density         10           Magnet Weight         Ne           Basket Material         Si           VC Diameter         1°           VC Material         Co           VC Winding Width         .2           Top Plate Thickness         .2           Weight         3.           THIELE-SMALL PARAMETERS         Pe           Fe         15           Fs         12           Xmax         .0           Resistance         7.           Qts         0.           Oms         5.           BL         7.           Efficiency         1.           Vas         .3           Sd         .3           Sd         .3           Sd         .3           Le@1kHz         .0           Mms         .3           Cms         .0	5° (2kHz Octave Band, -6dB Points) 125" (205mm) Dia. & 2.875" (73mm) Deep 525" (194mm) Bolt Circle sated Paper imped Self Edge ,600 Gauss, 1.06 Tesla iminal, 10oz. (260g) imped Plated 20ga. CRS (25mm) imper imped Self Edge deficiency for the self Edge minal, 10oz. (260g) imped Plated 20ga. CRS (25mm) imper imped Self Edge deficiency for the self Edge iminal, 10oz. (260g) imped Plated 20ga. CRS (25mm) imper imped Self Edge deficiency for the self E
Diameter & Depth         8.           Mounting Dimensions         7.           Cone Material         Tr           Surround Material & Damping         Damping           Flux Density         11           Magnet Weight         No           Basket Material         St           VC Diameter         1"           VC Former Material         Bl           VC Former Material         Bl           VC Winding Width         .2           Important Transport         32           THIELE-SMALL PARAMETERS         Pe           Fe         15           Fs         12           Xmax         .0           Resistance         7.           Qts         0.           Oms         5.           BL         7.           Efficiency         1.           Yas         3           Sd         33           Le@1kHz         3           Mms         .0	125" (205mm) Dia. & 2.875" (73mm) Deep 525" (194mm) Bolt Circle sated Paper imped Self Edge ,600 Gauss, 1.06 Tesla iminal, 10oz. (260g) amped Plated 20ga. CRS (25mm) pper ack Anodized Aluminum 25"
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Cone Material         Tr           Surround Material & Damping         Di           Flux Density         10           Magnet Weight         Ne           Basket Material         St           VC Diameter         1"           VC Material         Cc           VC Former Material         2           VC Winding Width         .2           Top Plate Thickness         .2           Weight         32           THIELE-SMALL PARAMETERS         Pe           Fs         12           Xmax         .0           Resistance         7.           Qts         0.           Qms         5.           BL         7.           Efficiency         1.           Vas         .3           Sd         33           Le@1kHz         .3           Mms         .3           Cms         .0	eated Paper mped Self Edge ,600 Gauss, 1.06 Tesla minal, 10oz. (260g) amped Plated 20ga. CRS (25mm) pper ack Anodized Aluminum 25"
Surround Material & Damping         Discription           Flux Density         10           Magnet Weight         Ne           Basket Material         St           VC Diameter         1"           VC Material         C           VC Former Material         BI           VC Winding Width         .2           Top Plate Thickness         .2           Weight         32           THIELE-SMALL PARAMETERS           Pe         15           Fs         12           Xmax         .0           Resistance         7.           Qts         0.           Qes         0.           Qms         5.           BL         7.           Efficiency         1.           Vas         .3           Sd         33           Le@1kHz         .3           Mms         .3           Cms         .0	mped Self Edge ,600 Gauss, 1.06 Tesla minal, 10oz. (260g) amped Plated 20ga. CRS (25mm) pper ack Anodized Aluminum 25"
Flux Density         10           Magnet Weight         Ne           Basket Material         St           VC Diameter         1°           VC Material         Co           VC Former Material         Bl           VC Winding Width         .2           Top Plate Thickness         .2           Weight         .3           THIELE-SMALL PARAMETERS           Pe         15           Fs         12           Xmax         .0           Resistance         7.           Ots         0.           Oes         0.           Oms         5.           BL         7.           Efficiency         1.           Vas         .3           Sd         .3           Le@1kHz         .3           Mms         .3           Cms         .0	,600 Gauss, 1.06 Tesla minal, 10oz. (260g) amped Plated 20ga. CRS (25mm) pper ack Anodized Aluminum 25"
Magnet Weight         Ne           Basket Material         St           VC Diameter         1"           VC Material         C           VC Former Material         BI           VC Winding Width         .2           Top Plate Thickness         .2           Weight         32           THIELE-SMALL PARAMETERS         Pe           Fe         15           Fs         12           Xmax         .0           Resistance         7.           Ots         0.           Qes         0.           Oms         5.           BL         7.           Efficiency         1.           Vas         .3           Sd         .3           Le@1kHz         .3           Mms         .3           Cms         .0	ominal, 10oz. (260g) amped Plated 20ga. CRS (25mm) pper ack Anodized Aluminum 25"
Basket Material         St           VC Diameter         1"           VC Material         Co           VC Former Material         Bl           VC Winding Width         2           Top Plate Thickness         2           Weight         32           THIELE-SMALL PARAMETERS         15           Fs         15           Xmax         0           Resistance         7           Ots         0           Oes         0           Oms         5           BL         7           Efficiency         1           Vas         3           Sd         3           Le@1kHz         3           Mms         3           Cms         0	amped Plated 20ga. CRS (25mm) pper ack Anodized Aluminum 25"
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VC Material         Co           VC Former Material         BI           VC Winding Width         .2           Top Plate Thickness         .2           Weight         32           THIELE-SMALL PARAMETERS         15           Fs         12           Xmax         .0           Resistance         7.           Qts         0.           Oes         0.           Qms         5.           BL         7.           Efficiency         1.           Vas         .3           Sd         .3           Le@1kHz         .3           Mms         .3           Cms         .0	pper ack Anodized Aluminum 25" 39"
VC Former Material         BI           VC Winding Width         .2           Top Plate Thickness         .2           Weight         32           THIELE-SMALL PARAMETERS           Pe         15           Fs         12           Xmax         .0           Resistance         7.           Qts         0.           Qes         0.           Qms         5.           BL         7.           Efficiency         1.           Vas         .3           Sd         33           Le@1kHz         .3           Mms         .3           Cms         .0	ack Anodized Aluminum 25" 39"
VC Winding Width       .2         Top Plate Thickness       .2         Weight       32         THIELE-SMALL PARAMETERS       Pe         Pe       15         Fs       12         Xmax       .0         Resistance       7.         Ots       0.         Oes       0.         Oms       5.         BL       7.         Efficiency       1.         Vas       .3         Sd       33         Le@1kHz       .3         Mms       .3         Cms       .0	25" 89"
Top Plate Thickness         .2           Weight         32           THIELE-SMALL PARAMETERS         Pe           Pe         15           Fs         12           Xmax         .0           Resistance         7.           Ots         0.           Qes         0.           Oms         5.           BL         7.           Efficiency         1.           Vas         .3           Sd         .3           Le@1kHz         .3           Mms         .3           Cms         .0	39"
Weight         32           THIELE-SMALL PARAMETERS           Pe         15           Fs         12           Xmax         .0           Resistance         7.           Ots         0.           Oes         0.           Dms         5.           BL         7.           Efficiency         1.           Vas         .3           Sd         33           Le@1kHz         .3           Mms         .3           Cms         .0	
THIELE-SMALL PARAMETERS  Pe	
Pe     15       Fs     12       Xmax     .0       Resistance     7.       Ots     0.       Oes     0.       Oms     5.       BL     7.       Efficiency     1.       Vas     .3       Sd     33       Le@1kHz     .3       Mms     .3       Cms     .0	oz. (700g)
Fs     12       Xmax     .0       Resistance     7.       Qts     0.       Qes     0.       Oms     5.       BL     7.       Efficiency     1.       Vas     .3       Sd     33       Le@1kHz     .3       Mms     .3       Cms     .0	watts
Xmax         .0           Resistance         7.           Ots         0.           Qes         0.           Oms         5.           BL         7.           Efficiency         1.           Vas         .3           Sd         .3           Le@1kHz         .3           Mms         .3           Cms         .0	5Hz
Resistance         7.           Ots         0.           Oes         0.           Oms         5.           BL         7.           Efficiency         1.           Vas         .3           Sd         33           Le@1kHz         .3           Mms         .3           Cms         .0	
Qts         0.           Qes         0.           Oms         5.           BL         7.           Efficiency         1.           Vas         .3           Sd         33           Le@1kHz         .3           Mms         .3           Cms         .0	3 ohms
Qes         0.           Qms         5.           BL         7.           Efficiency         1.           Vas         .3           Sd         .3           Le@1kHz         .3           Mms         .3           Cms         .0	
Qms         5.           BL         7.           Efficiency         1.           Vas         .3           Sd         33           Le@1kHz         .3           Mms         .3           Cms         .0	
BL     7.       Efficiency     1.       Vas     .3       Sd     33       Le@1kHz     .3       Mms     .3       Cms     .0	
Efficiency         1.           Vas         .3           Sd         3           Le@1kHz         .3           Mms         .3           Cms         .0	9 N/A
Vas         .3           Sd         33           Le@1kHz         .3           Mms         .3           Cms         .0	90%
Sd     33       Le@1kHz     .3       Mms     .3       Cms     .0	2 (ft³)
Le@1kHz       .3         Mms       .3         Cms       .0	.2 (in²)
Mms .3 Cms .0	5 mH
Cms .0	90z.
	24 in./lb.
Transformer Specifications	LT III./IIV.
	)Hz-10kHz (+1 5dR)
Secondary Impedance (ohms) 8	0Hz-10kHz (±1.5dB)
	)Hz-10kHz (±1.5dB) , .5, 1, 2, & 5
	, .5, 1, 2, & 5
	, .5, 1, 2, & 5 dB
Power Rating (Watts) 5	, .5, 1, 2, & 5

### Specifications subject to change without notice



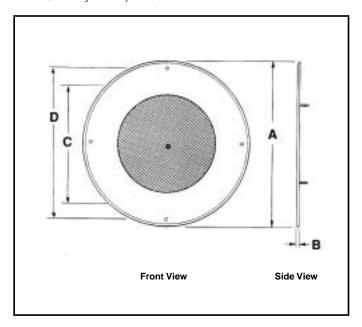
1601 JACK MCKAY BLVD. / ENNIS, TEXAS 75119 U.S.A. TELEPHONE: (800) 876-3333 / FAX (800) 765-3435

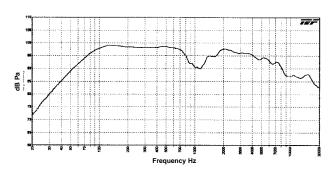
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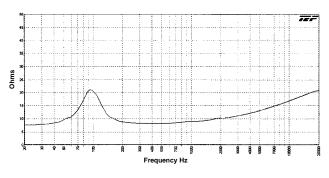
SD72WV BAFFLE INFORMATION									
	DIMENSIONS				MOL	OPTIONAL			
MODEL	DIA. (A)	PROJECTS (B)	(C)*	(D)**	ENCLOSURE (C	OR) MTG. RING	TILEBRIDGE		
SD72WV	12¾"	1/4"	7%"	11¼"	(EZ )95-8 Series, T95-8 Series,	75-8(E1)(E2),	81-8R(S)		
	(324mm)	(6mm)	(194mm)	(286mm)	EZ96-8, CS95-8(NS),	76-8(E1)(E2),	, ,		
		, ,			199-8, Q408, 96-8 Series <sup>♣</sup>	P77-8, P78-8	EQ81s <sup>♣</sup>		

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

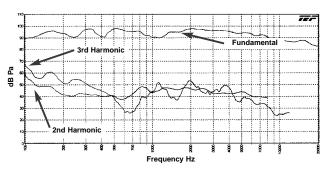




SD72WV Frequency Response (Transformer Bypassed)

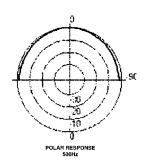


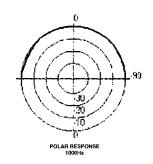
SD72WV Impedance (Transformer Bypassed)

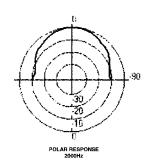


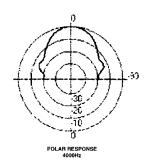
Fundamental vs. 2nd & 3rd Harmonics (Transformer Bypassed)

## **SD72WV OCTAVE BAND POLARS**









## Specifications subject to change without notice



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