



Mean Machines

Silver Series

Model S840

8 Inch • 4 Ohm • 120 Watts

Subwoofer

Made in the USA

SAVE

• For sealed, vented, and bandpass enclosures

• Two inch voice coil

• 30 to 100 Hz frequency range

• Sensitivity 89.4 dB

• Kevlar composition cone

• Lastek (Linear Acoustical Surround)

• Free air resonance 36.4 Hz

• Magnet weight 46 oz.

• High mass, flat dust cap for small enclosure

• Vented pole piece

• Four ply voice coils

SAVE

Specifications

VAS:	1.010 cu ft.	VAS:	8.25"	Diameter:	8.25"
VAS:	28.59L	Voice coil:	2"	Voice coil:	2"
Sd:	.0206 sq. M	Power:	120 watts	Power:	120 watts
Bl:	9.340 TM	Impedance:	4 ohms	Impedance:	4 ohms
Cms:	630 μM/N	Freq. range:	30 - 100 Hz	Freq. range:	30 - 100 Hz
Mms:	56.94g	Sensitivity:	89.4 dB	Sensitivity:	89.4 dB
Mmd:	54.7 g	Magnet weight:	46 oz.	Magnet weight:	46 oz.
Hvc:	19 mm	Cone:	Kevlar	Cone:	Kevlar
Hag:	6.2 mm	Re:	2.82 ohm	Re:	2.82 ohm
Xmax:	6.4 mm	Le/1KHz:	.879 mH	Le/1KHz:	.879 mH
Cmax:	16 mm	Le/20KHz:	.381 mH	Le/20KHz:	.381 mH
Cmo:	1	Fs:	36.411 Hz	Fs:	36.411 Hz
VC Delta:	.08° CW	Qm:	12.598	Qm:	12.598
Mount depth:	4.0"	Qe:	.356	Qe:	.356
Cut-out:	7 3/16"	Qt:	.346	Qt:	.346
Spkr volume:	.03 cu ft.	Krm:	2.45 m ohm	Krm:	2.45 m ohm
Ship weight:	9 lb.	Kxm:	21.1 mH	Kxm:	21.1 mH
		Erm:	.649	Erm:	.649
		Exm:	.672	Exm:	.672

These—Small Parameters

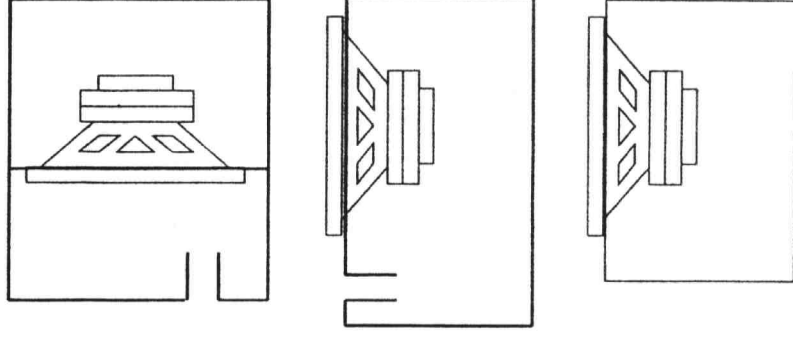
LIMITED WARRANTY (U.S. only)
 Autotek woofers are covered by a (2) year limited exchange program when sold and installed by authorized Autotek dealers. Original bill of sale must accompany defective return. Defects in workmanship/materials are covered, but abuse is excluded—such as punctures, dents, voice coils burned, or damage from improper enclosure. Shipping to Autotek is excluded. Autotek will be sole judge of defect cause. All warranties, including warranties of merchantability and fitness for particular purpose, are limited in length to the duration of this warranty. Autotek expressly disclaims any liability for incidental or consequential damages.

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Recommended Enclosures

Model S840

	SINGLE REFLEX BANDPASS	VENTED	SMALL SEALED
Sensitivity:	90 dB	89 dB	87.4 dB
F3 (-3dB):	48Hz	36 Hz	59 Hz
Impedance:	4 ohm	4 ohm	4 ohm
Vol front cabinet:	.25 cu ft/7.08L	.75 cu ft/21.2L	.50 cu ft/14.16L
Vol rear cabinet:	.30 cu ft/8.48L	N/A	N/A
Damping:	50% fill	50% fill	50% fill
Vents:	1	1	N/A
Vent dim:	3" x 8.153"	2" x 4.5"	N/A
Tuning Freq:	77 Hz	38,932 Hz	N/A



Application Notes

AIRTIGHT SEAL Enclosures must be absolutely airtight in order to obtain full performance.

WIRE CONNECTIONS Wire connectors and wiring must also have an airtight seal.

ENCLOSURE VOLUMES All volumes are inside dimensions. Do not include wood thickness.

SPEAKER DISPLACEMENT Volume displaced by speakers has been added to enclosure volume.

INTERNAL BRACES Volume taken up by wooden braces should be added to enclosure volume.

PORT TUBE CLEARANCE Leave 3 inches between port end and enclosure wall.

SUBSONIC FILTERS Sub filters will improve speaker and amplifier performance.

PORT PROTRUSIONS Subtract volume of port tube projecting from enclosure.

PORT DIMENSIONS (Diameter x Length) Measure only inside dimensions.

CORNER BRACING Brace corners with 1x1 stock to reduce splitting and reinforce enclosure.

CROSS BRACING Reinforce enclosure walls with panels, braces, glue, and screws.

VIBRATION DAMPING Use vibration deadening adhesive sheet on inside enclosure walls.