

51240

Specifications

Thiele—Small Parameters

Diameter:	12.125"	VAS:	5.980 cu ft.
Voice coil:	2"	VAS:	169.3473L
Power:	300 watts	Sd:	.0530 sq. M
Impedance:	4 ohms	Bl:	12.8448 TM
Freq. range:	30 - 100 Hz	Cms:	476 μ M/N
Sensitivity:	87.6 dB	Mms:	158g
Magnet weight:	46 oz.	Mmd:	151 g
Cone:	Kevlar	Hvc:	19 mm
Re:	3.92 ohm	Hag:	6.2 mm
Le/1kHz:	2.864 mH	Xmax:	6.4 mm
Le/20kHz:	1.359 mH	Cmax:	16 mm
Fs:	18.4 Hz	Cmo:	1
Qm:	12.735	VC Delta:	.91° CW
Qe:	.388	Mount depth:	4.5"
Qt:	.377	Cut-out:	94.25" / 1.0
Krm:	40.363 m ohm	Spr volume:	.13 cu ft.
Kxm:	25.271 mH	Ship weight:	10 lb.
Erm:	.575		
Exm:	.751		

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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AUTOTEK

Mean Machines

Silver Series

Model S1240

12 Inch • 4 Ohm • 300 Watts

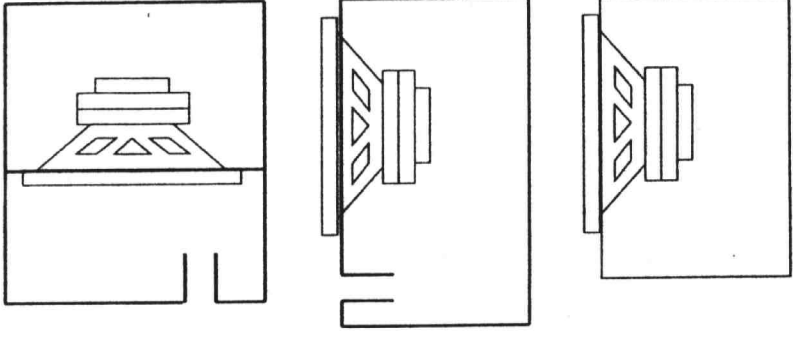
Subwoofer

Made in the USA

- For sealed, vented, and bandpass enclosures
- Two inch voice coil
- 30 to 100 Hz frequency range
- Sensitivity 87.6 dB
- Kevlar composition cone
- LasteK (Linear Acoustical Surround)
- Free air resonance 18.4 Hz
- Magnet weight 46 oz.
- High mass, flat dust cap for small enclosure
- Vented pole piece
- Four ply voice coils

Recommended Enclosures Model S1240

	SINGLE REFLEX BANDPASS	VENTED	SMALL SEALED
Sensitivity:	88 dB	91.0 dB	90.5 dB
F3 (-3dB):	43 Hz	40 Hz	43 Hz
Impedance:	4 ohm	4 ohm	4 ohm
Vol front cabinet:	1.5 cu ft/42.45L	2 cu ft/56.65L	1 cu ft/28.33L
Vol rear cabinet:	2 cu ft/56.6L	N/A	N/A
Damping:	50% fill	50% fill	50% fill
Vents:	1	1	0
Vent dim:	4" x 4.759"	4" x 15.9"	N/A
Tuning Freq:	48 Hz	27 Hz	N/A



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.

Application Notes

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