



HIGH PERFORMANCE COAXIAL LOUDSPEAKER

SM8CXT-B

One



SM8CXT-B

FEATURES

- High performance Atlas Sound compression driver coaxial loudspeakers in versatile, flyable, wood enclosure
- Multiple (12) 1/4"-20 inserts, providing fly points for a variety of mounting configurations
- Includes internal, high efficiency 60 Watt 70.7/100V transformer (may be bypassed for 8 ohm operation)
- Barrier strip input for 70.7/100V/8 Ohm or parallel 4 pole Speak-on™ input for 8 ohm operation only
- Unique input panel allows use of standard 4" square box cover (Raco 753 or eq.) for applications where flex conduit is required for termination
- Fuse protection for low and high frequency drivers
- Attractive, heavy-duty grille assembly
- Durable black, rough-coat finish
- Optional brackets for wall mounting
- Pre-drilled with T-Nut inserts for Omnimount™ bracket wall mounting

APPLICATIONS

The SM8CXT-B is optimized for high ceiling applications such as arenas, convention centers, gymnasiums and auditoriums. The extreme high efficiency and higher "Q" of the 8CX with its powerful 8" speaker and 1" exit compression driver, provides the increased available SPL often required in these high ceiling applications. In 70.7V/100V systems this high efficiency can also result in lower tap settings.

GENERAL

SM Series loudspeakers offer quality sound reproduction and contemporary styling. The SM8CXT-B features the SM8CXT60—a 150 watt loudspeaker that combines an 8" diameter, low frequency transducer and a 1" exit, compression driver. The speaker has a curvilinear, polypropylene cone for lower harmonic distortion, and a built-in crossover network for proper frequency transition between the two reproducers. The low frequency transducer and the high frequency driver feature permanently aligned voice coils for low distortion performance. The copper coils have Polyimide voice coil formers.

The SM8CXT-B features a wood enclosure with a metal grille. Internal hardware, for flying, includes multiple (12) 1/4"-20 inserts for overheard suspension in most any orientation.

A 90 degree conical pattern (2 kHz octave band) and amazing efficiency make the SM8CXT-B a perfect choice for a wide variety of applications including school auditoriums, gymnasiums, cafeterias, church sanctuary systems, and more.

Specifications subject to change without notice



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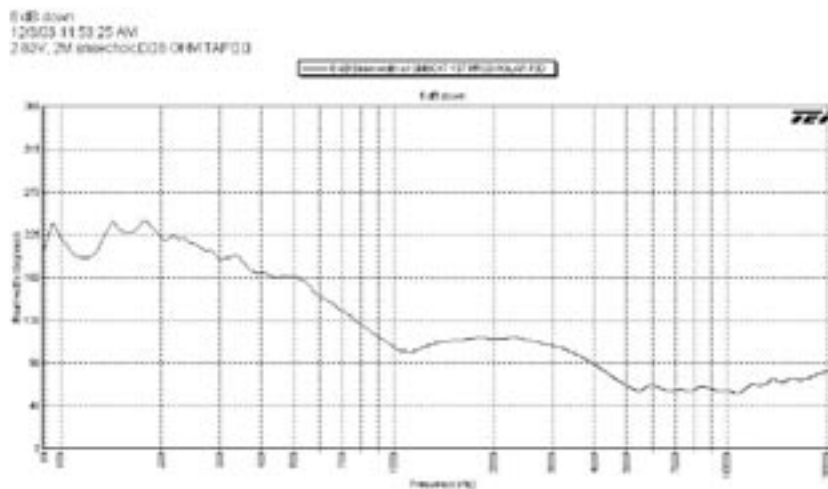
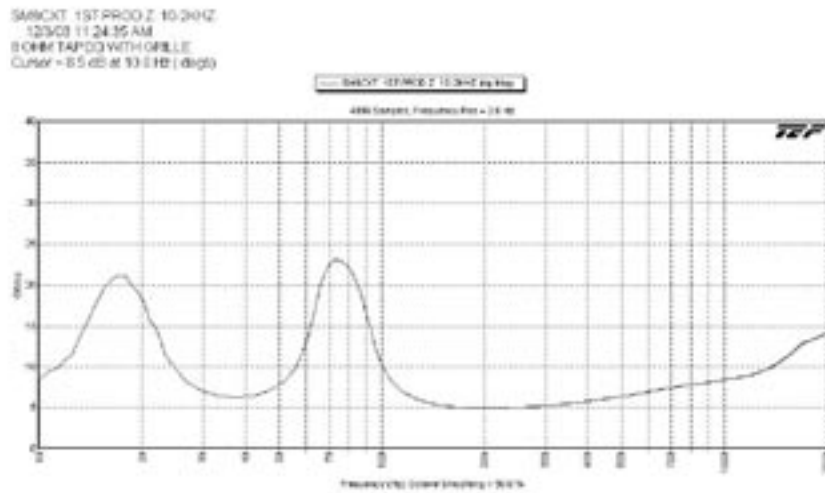
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ARCHITECT AND ENGINEER SPECIFICATIONS

The loudspeaker system shall be Atlas Sound Model SM8CTX-B or approved equal. Assemblies shall consist of two-way woofer and tweeter assembly within environmental-resistant housing. The 150 watt systems shall have a 8.25" (310mm) woofer constructed with polypropylene cone and a 1" (25mm) titanium diaphragm compression driver. Each system shall be complete with a built-in, 60 watt 70.7/100V transformer. The speaker shall be mounted in a wood enclosure with a metal grille. The enclosure shall provide multiple 20 inserts for mounting. Fuse protection for high and low frequency drivers shall be included.



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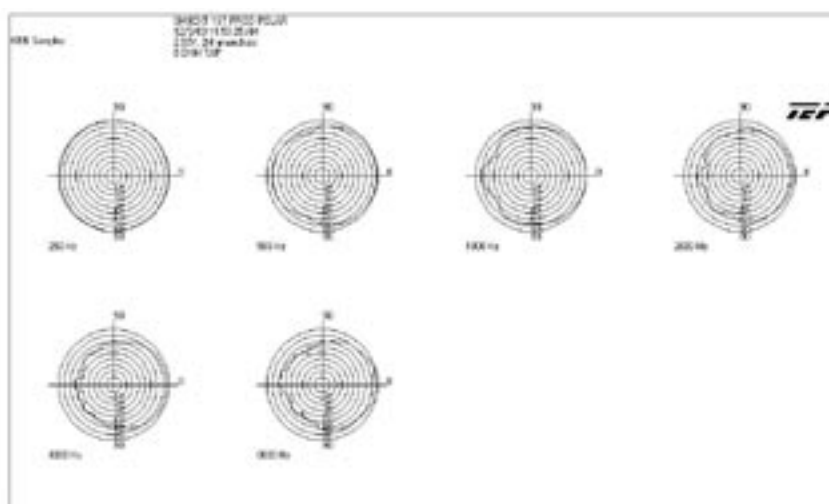
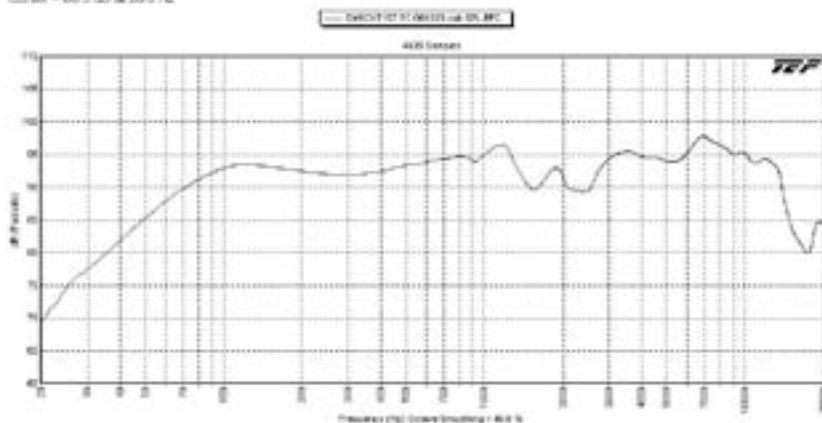
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SPECIFICATIONS

MODEL:	8CXT60	COMPRESSION DRIVER	
POWER RATING (RMS):	150 W	SIZE:	1" (25mm)
FREQUENCY RESPONSE (± 5 dB):	60 to 15 kHz	DIAPHRAGM:	
SENSITIVITY (1W/1M):	92dB	MATERIAL:	Titanium
MAX SPL @ 1M (transformer tap @ 60W):	110dB	MAGNET:	20 Oz
MAX SPL @ 1M (8 ohms @ 150 watts):	92dB	CROSSOVER FREQUENCY:	2000 Hz
WOOFER		SELECTOR 70.7 Volt Taps:	60, 30, 15, 7.5 Watts
SIZE:	8"	Dimensions (not including bracket):	15.5" (394mm)H x 10.625" (270mm)W x10.375" (264mm)D
CONE:	Polypropylene	Weight:	19 lbs (.8.6kg)
SURROUNDING MATERIAL:	Silicon-Base Rubber (SBR)		
MAGNET:	34 Oz		

SM8CXT1 ST PC 06/003 cab SPL
5/15/03 1:59:06 PM
7.83V, TM spectroEQ
Curve# = 66.5 dB @ 2000 Hz



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