



## HIGH PERFORMANCE COAXIAL LOUDSPEAKER

SM12CXT-B

One



SM12CXT-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 SM12CXT-B is optimized for high ceiling applications such as arenas, convention centers, gymnasiums and auditoriums. The extreme high efficiency and higher "Q" of the 12CX with its powerful 12" 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 SM12CXT-B features the 12CXT60—a 250 watt loudspeaker that combines a 12" diameter, low frequency transducer and a 1" exit, compression driver. The speaker has a curvilinear, treated-paper 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 SM12CXT-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 SM12CXT-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*



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

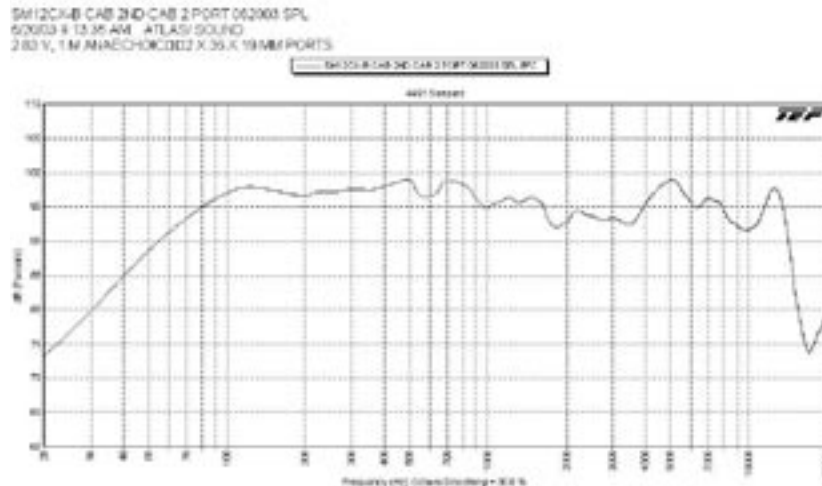
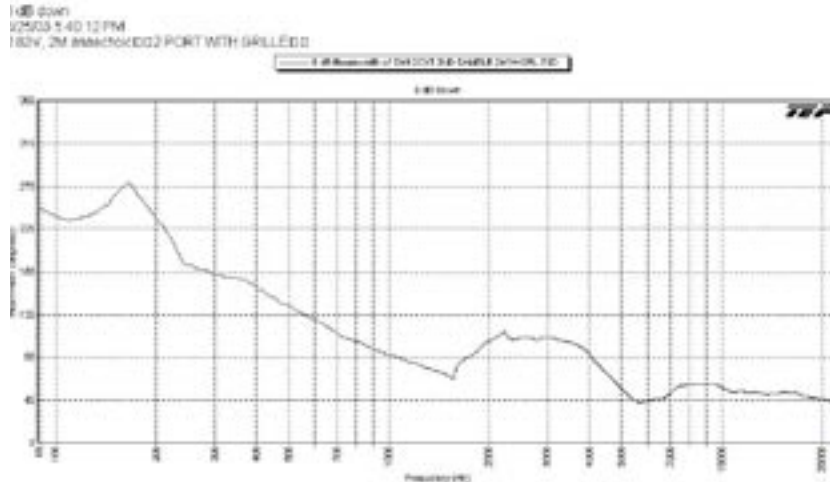
AtlasSound.com

# HIGH PERFORMANCE COAXIAL LOUDSPEAKER

SM12CXT-B

## ARCHITECT AND ENGINEER SPECIFICATIONS

The loudspeaker system shall be Atlas Sound Model SM12CTX-B or approved equal. Assemblies shall consist of two-way woofer and tweeter assembly within environmental-resistant housing. The 250 watt systems shall have a 12.857" (310mm) woofer constructed of treated paper and a 1" (51mm) titanium diaphragm compression driver. Each system shall be complete with a 60 watt 70.7/100V transformer. A barrier strip shall allow access to the 7.5, 15, 30, 60 volt taps and the transformer. The speaker shall be mounted in a wood enclosure with a metal grille. The enclosure shall provide multiple (12) 1/4"-20 inserts for mounting. Fuse protection for high and low frequency drivers shall be included.



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



# HIGH PERFORMANCE COAXIAL LOUDSPEAKER

SM12CXT-B

One

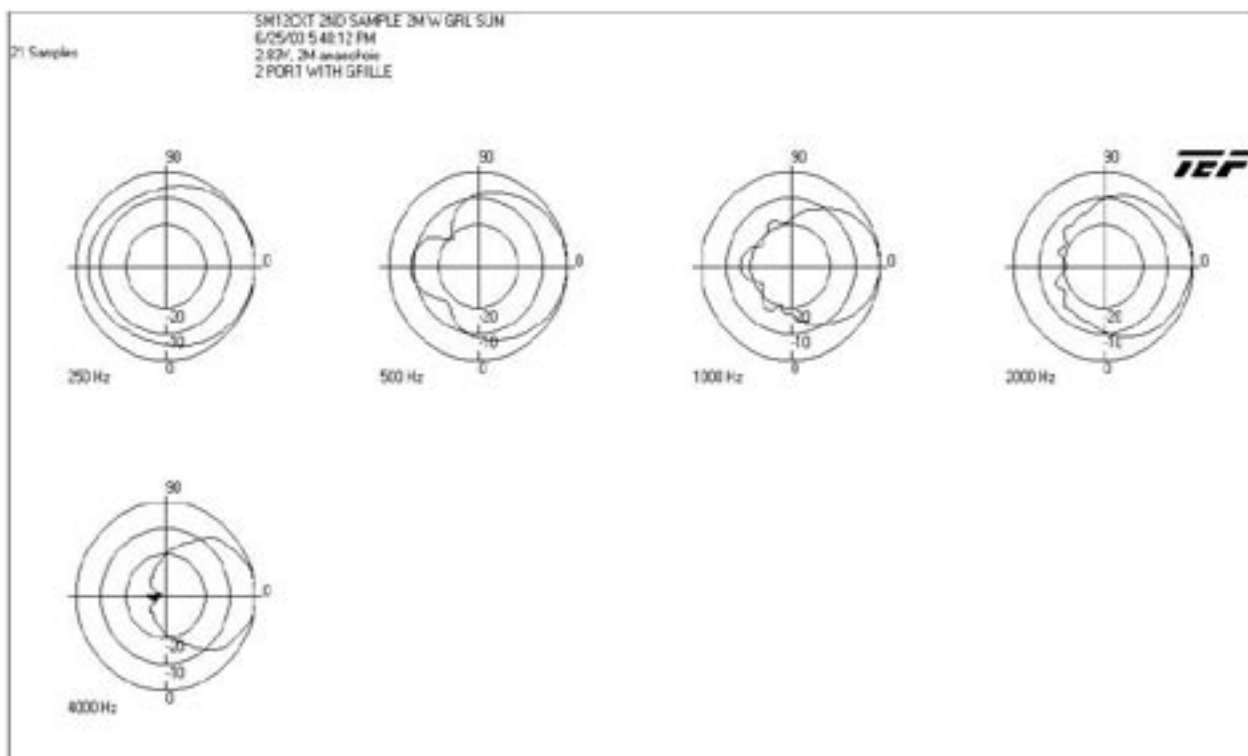
## SPECIFICATIONS

MODEL: SM12CXT-B  
 POWER RATING (RMS): 250 W  
 FREQUENCY RESPONSE ( $\pm 5$ dB): 55 Hz to 15 kHz  
 SENSITIVITY (1W/1M): 99dB  
 MAX SPL @ 1M (transformer tap @ 60W): 117dB  
 MAX SPL @ 1M (8 ohms @ 250 watts): 123dB  
 WOOFER  
 SIZE: 12"  
 CONE: Treated Paper  
 SURROUNDING MATERIAL: Treated Cloth  
 MAGNET: 70 oz

COMPRESSION DRIVER  
 SIZE: 1" (25mm)  
 DIAPHRAGM: Titanium  
 MATERIAL: 40 Oz  
 MAGNET: 1.8 kHz  
 CROSSOVER FREQUENCY: 60, 30, 15, 7.5 Watts  
 SELECTOR 70.7 Volt Taps:

Dimensions (not including bracket): 19" (483mm) H  
 x14.5" (368mm) W  
 x14.0625" (357mm)D

Weight: 39 lbs (17.7 kg)



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

2.59