



AH212-BSG Series

3-Way Stadium Horn Systems



Features

- 3-Way Design
 - Single 1" High Frequency Exit Compression Driver
 - Single 1.5" Midrange Exit Compression Driver
 - Dual 12" Cast Frame Woofers
- 750 Watts RMS Power Handling (Full Range)
- Weather Resistant Connection Via a Convenient Recessed Terminal Block Located on the Bottom of the Loudspeaker
- 8 Ω Nominal Impedance
- Seven, 10mm Internally Reinforced Forged Eyebolts Included for Suspended Installation

Applications

Atlas Sound model AH212-BSG stadium horns are ideal for directional sound distribution where full range reproduction, maximum intelligibility, and high sound pressure levels are required.

- Football Stadiums
- Sports Arenas
- Baseball Fields
- Convention Centers
- Auditoriums

General Description

The Atlas Sound AH212-BSG Series Stadium Horns include three models, AH42-212-BSG, AH66-212-BSG, and AH94-212-BSG, and are designed to deliver high sound pressure levels and high intelligibility across wide areas in directional sound applications. Each speaker system consists of a UV-resistant fiberglass enclosure and three-stage, corrosion resistant steel mesh filtering system that make them highly weather and pest resistant. Each model features a three way design with dual 12" woofers, a 1.5" exit compression driver midrange and a 1" exit high frequency driver that combine to provide 750 watts RMS power handling (in full range mode). A specially designed crossover provides frequency division and extensive driver protection for each band pass. All models are 8 Ω impedance and can be easily bi-amped (LF/MF+HF) by removing the exterior jumper for use with high-powered systems where greater system control and protection is required. Suspension mounting is facilitated via multiple forged eyebolts.

Installation

Drop forge eyebolts are pre-installed for suspension mounting via load rated wire rope. AH212-BSG stadium horns include a weather resistant terminal block connector on the underside of the speaker for ease of hook-up. This terminal block includes the connection points for full range as well as for bi-amp operation.



Specifications

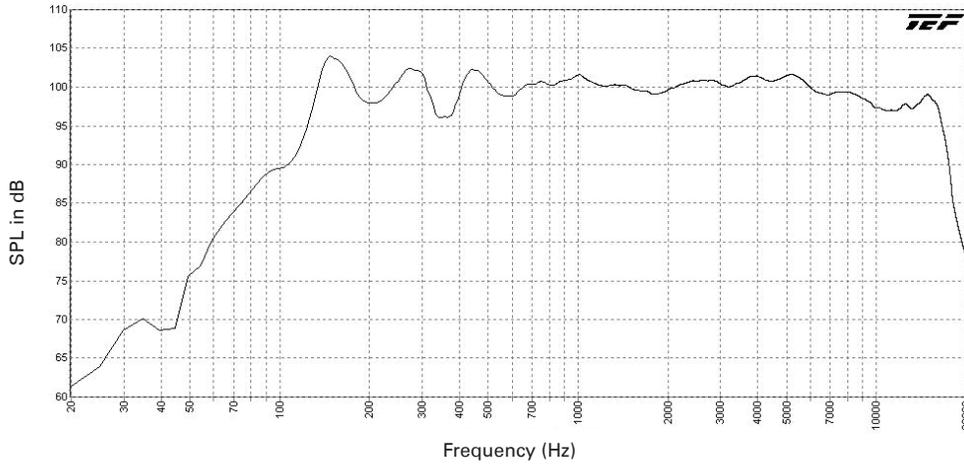
Power Handling RMS (Full Range)	750 Watts
Power Handling RMS (BI-AMP)	800 Watts (Low Pass) 250 Watts (High Pass)
Sensitivity (1W/1m)	
AH42-212-BSG	106dB
AH66-212-BSG	105.5dB
AH94-212-BSG	105dB
Max SPL (750W/1m)	
AH42-212-BSG	134.5dB
AH66-212-BSG	134dB
AH94-212-BSG	133.5dB
Frequency Response	100Hz - 17kHz (-10 to +4dB)
Dispersion	
AH42-212-BSG	40° x 20°
AH66-212-BSG	65° x 65°
AH94-212-BSG	90° x 40°
Impedance	8Ω Nominal
Minimum Impedance	4.9Ω @ 80Hz
Drivers	
High Pass	1" Compression Driver
Midrange	1.5" Compression Driver
Low Pass	Dual 12" Woofers
Dimensions	
Height	32.53" (826.3mm)
Width	32.53" (826.3mm)
Depth	47.11" (1196.6mm)
Unit Weight	~210 lbs (95.25kg)
Shipping Weight	300 lbs (136.08kg)

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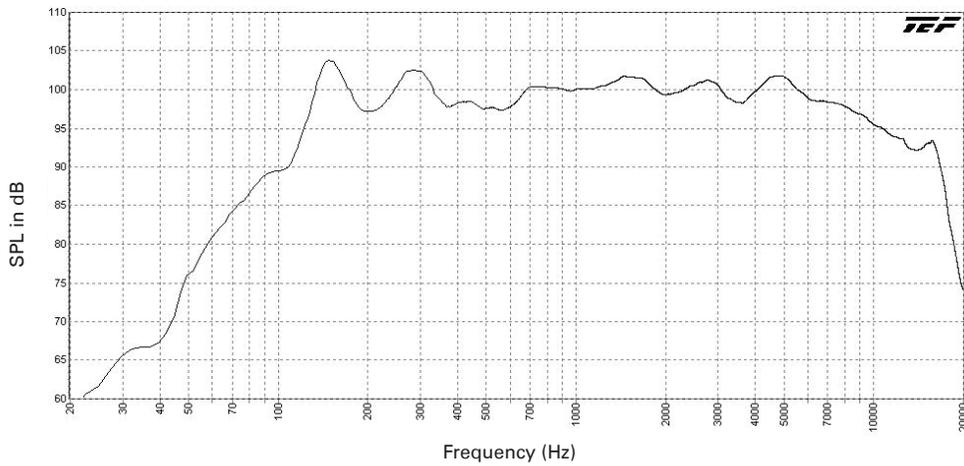


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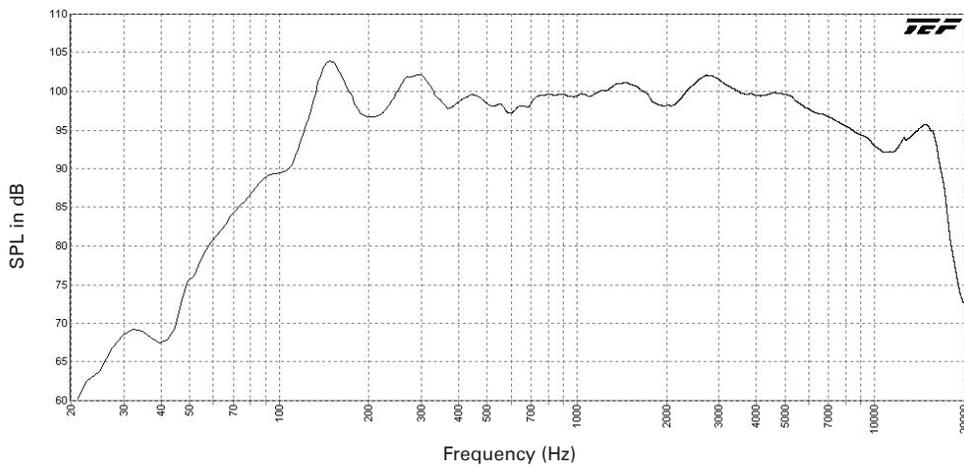
AH42-212-BSG Frequency Response



AH66-212-BSG Frequency Response



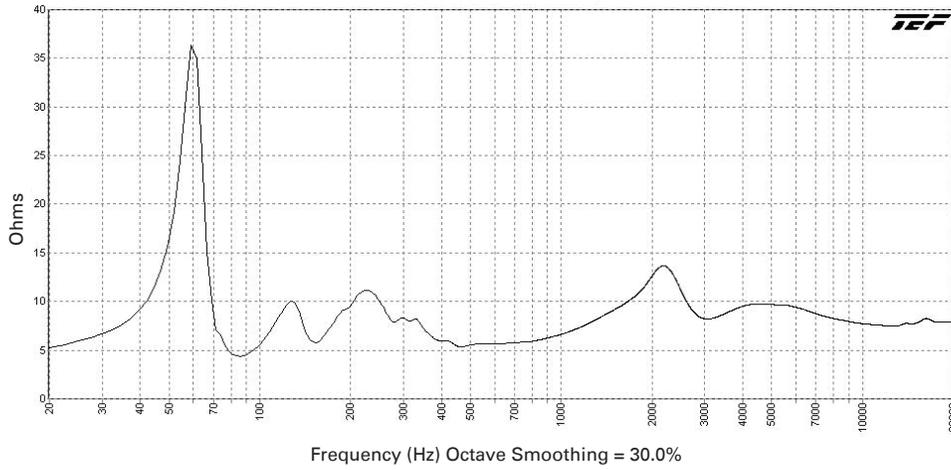
AH94-212-BSG Frequency Response



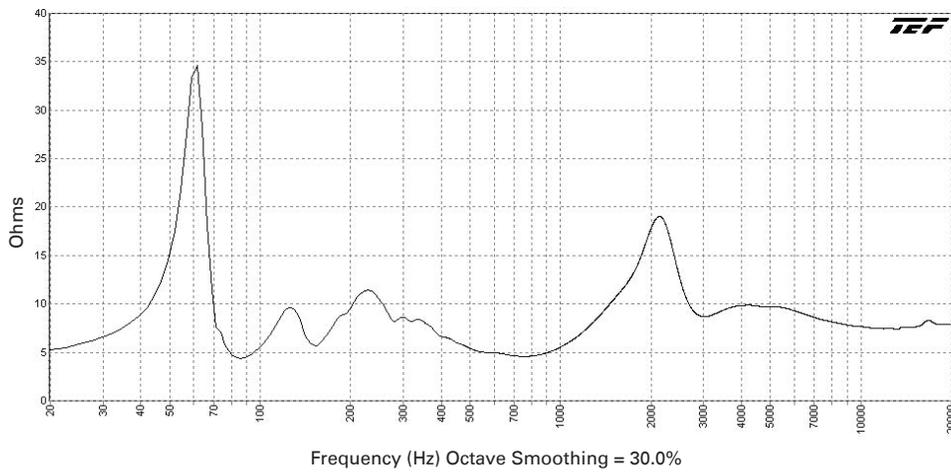


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AH42-212-BSG Impedance



AH66-212-BSG Impedance



AH94-212-BSG Impedance

