

The AH Series stadium loudspeakers offer the most often requested coverage patterns while providing excellent intelligibility for the most challenging environments including large auditoriums and sport fields.



AH Horn clusters Can Provide Wide Coverage And High Output In A Variety Of Installation Types.

Stadium Horns

Applications

Atlas Sound AH Series horns are 2- and 3- way horn loudspeakers that are designed to deliver high, intelligible output over large areas. With multiple coverage patterns and speaker sizes, the AH Series excel in paging applications for large stadiums, university common areas, outdoor recreation complexes, conventioncenters and other large installations.

Features

- Constant Directivity Design Offers Controlled Coverage
- Easy Connection Via a Convenient Recessed Terminal Block
- Weather Resistant Construction
- Neutral Gray Finish
- 2- and 3-Way Models Available

General Description

All Atlas AH horn models are weather resistant. Each speaker incorporates a multiple screen configuration to prevent moisture from damaging internal components; a perforated aluminum screen covers the largehorn mouth, a secondary screen is in place forward of the high frequency driver, and a third tightly perforated screen protects the woofer(s).

Atlas AH horn loudspeakers are available in 2-Way, 8", 12", and 15" versions as well as 3-Way dual 12" versions. Each size speaker is available in 3 coverage patterns designed to deliver outstanding performance for any application. The 8" and 12" 2-way models are available with either a 65°x65° coverage pattern, 90°x40° coverage pattern, or 90°x90° coverage pattern. All models feature an internal 70.7V transformer with power taps up to 60 watts. The 8" models can handle 100 watts and the 12" models can handle 200 watts when using the 8Ω bypass in direct coupling applications. The 15" 2-way models are available with either a 65°x65° coverage pattern, 90°x40° coverage pattern, or 50°x40° coverage pattern. The 15" models can only be connected in 8Ω direct coupling applications and can handle 250 watts. All 2-way models include a heavy duty-mounting bracket for ease of installation on buildings or other flat surfaces. Atlas also offers a single 15" subwoofer in the AH family that is designed to provide low frequency sound reinforcement in large applications. This unit is omnidirectional and can be used under bleachers or stadium seating. Atlas offers a stand designed to support the subwoofer for concrete slab mounting.

The 3-way AH Series horns are also available in 3 coverage patterns, 40°x20°, 65°x65°, and 90°x40°. These models feature a single 1" compression high frequency driver, a single 1.5" compression midrange driver, and dual 12" low frequency woofers. All 3-way models can only be connected in 8Ω direct coupling applications and can handle 750 watts. These models can also be used in dual amplifier applications where one amplifier controls the low pass frequencies and the second controls the high pass frequencies. The 3-way models can be surface mounted or flown, using the seven, 10mm internally reinforced forged eyebolts.

AH66-8ST-BSG



Features

- (3) Forged Eyebolts Also Included for Suspended Installation
- 100 Watts Power Handling
- Constant Directivity Design Offers Controlled Coverage of 65° Horizontal by 65° Vertical (2kHz Octave Band)
- Driver Compliment Includes 8" Cast Frame Woofer with a 1" Exit Compression Driver Coupled to a 65°H x 65°V HF Horn
- Easy, Weather Resistant Connection Via a Convenient Recessed Terminal Block Located on the Bottom of the Loudspeaker
- Efficiency Rating of 101dB (1W/1m)

Specifications

Driver Type	1" HF and 8" LF
Power Taps	7.5, 15, 30, 60 Watts & 8Ω
Power Rating	100 Watts
Dispersion	65° x 65°
Sensitivity	100dB SPL (70Hz to 17kHz ½ octave bands)
Height	20.95" (53.21cm)
Width	17.91" (45.49cm)
Depth	20.98" (53.28cm)
Weight	61.00 lbs (27.67 kgs)

AH94-8ST-BSG



Features

- (3) Forged Eyebolts Also Included For Suspended Installation
- 100 Watts Power Handling
- Constant Directivity Design Offers Controlled Coverage of 90° Horizontal by 40° Vertical (2kHz Octave Band)
- Driver Compliment Includes 8" Cast Frame Woofer with a 1" Exit Compression Driver Coupled to a 90°H x 40°V HF Horn
- Easy, Weather Resistant Connection Via a Convenient Recessed Terminal Block Located on the Bottom of the Loudspeaker
- Efficiency Rating of 101dB (1W/1m)

Specifications

Driver Type	1" HF and 8" LF
Power Taps	7.5, 15, 30, 60 Watts & 8Ω
Dispersion	90° x 40°
Power Rating	100 Watts
Sensitivity	101dB SPL (70Hz to 17kHz ½ octave bands)
Height	20.05" (50.92cm)
Width	19.66" (49.93cm)
Depth	19.73" (50.11cm)
Weight	63.00 lbs (28.58 kgs)

AH99-8ST-BSG



Features

- (3) Forged eyebolts also included for suspended installation
- 100 Watts power handling
- Constant Directivity Design Offers Controlled Coverage of 90° Horizontal by 90° Vertical (2kHz Octave Band)
- Driver Compliment Includes 8" Cast Frame Woofer with a 1" Exit Compression Driver Coupled to a 90°H x 90°V HF Horn
- Easy, Weather Resistant Connection Via A Convenient Recessed Terminal Block Located On The Bottom Of The Loudspeaker
- Efficiency Rating of 101dB (1W/1m)

Specifications

Driver Type	1" HF and 8" LF
Power Taps	7.5, 15, 30, 60 Watts & 8Ω
Power Rating	100 Watts
Dispersion	90° x 90°
Sensitivity	101dB SPL (70Hz to 17kHz ½ Octave Bands)
Height	21.88" (55.57 cm)
Width	19.66" (49.93 cm)
Depth	19.73" (50.11cm)
Weight	65.00 lbs (29.48 kgs)

AH66-12ST-BSG



Features

- (3) Forged Eyebolts Also Included for Suspended Installation
- 100 Watts Power Handling
- Constant Directivity Design Offers Controlled Coverage of 65° Horizontal by 65° Vertical (2kHz octave band)
- Driver Compliment Includes 8" Cast Frame Woofer with a 1" Exit Compression Driver Coupled to a 65°H x 65°V HF Horn
- Easy, Weather Resistant Connection via a Convenient Recessed Terminal Block Located on the Bottom of the Loudspeaker
- Efficiency Rating of 100dB (1W/1m)

Specifications

Driver Type	1" HF and 12" LF
Power Rating	200 Watts
Power Taps	7.5, 15, 30, 60 Watts & 8Ω
Dispersion	65° x 65°
Sensitivity	102dB
Height	23.88" (60.65 cm)
Width	21.41" (54.38 cm)
Depth	22.57" (57.32 cm)
Weight	82.00 lbs (37.19 kgs)

AH94-12ST-BSG



Features

- (3) Forged Eyebolts Also Included for Suspended Installation
- 100 Watts Power Handling
- Constant Directivity Design Offers Controlled Coverage of 90° Horizontal by 40° Vertical (2kHz octave band)
- Driver Compliment Includes 8" Cast Frame Woofer with a 1" Exit Compression Driver Coupled to a 90°H x 40°V HF Horn
- Easy, Weather Resistant Connection via a Convenient Recessed Terminal Block Located on the Bottom of the Loudspeaker
- Efficiency Rating of 101dB (1W/1m)

Specifications

Driver Type	1" HF and 12" LF
Power Rating	200 Watts
Power Taps	7.5, 15, 30, and 60 Watts & 8Ω
Dispersion	90° x 40°
Sensitivity	103dB
Height	24.68" (62.68 cm)
Width	22.06" (56.03 cm)
Depth	22.57" (57.32 cm)
Weight	85.00 lbs (38.56 kgs)

AH99-12ST-BSG



Features

- (3) Forged Eyebolts Also Included for Suspended Installation
- 100 Watts Power Handling
- Constant Directivity Design Offers Controlled Coverage of 90° Horizontal by 90° Vertical (2kHz Octave Band)
- Driver Compliment Includes 8" Cast Frame Woofer With a 1" Exit Compression Driver Coupled to a 90°H x 90°V HF Horn
- Easy, Weather Resistant Connection Via a Convenient Recessed Terminal Block Located on the Bottom of the Loudspeaker
- Efficiency Rating of 101dB (1W/1m)

Specifications

Driver Type	1" HF and 12" LF
Power Rating	200 Watts
Power Taps	7.5, 15, 30, and 60 Watts & 8Ω
Dispersion	90° x 90°
Sensitivity	103dB
Height	25.68" (65.22 cm)
Width	22.06" (56.03 cm)
Depth	22.57" (57.32 cm)
Weight	87.00 lbs (39.46 kgs)

AH54-15-BSG



Features

- (3) Forged Eyebolts Also Included for Suspended Installation
- 250 Watts Power Handling
- 8 Ω Nominal System Impedance (70.7V Operation Via Optional Atlas Sound Model AF140 Transformer)
- Constant Directivity Design Offers Controlled Coverage of 50° Horizontal by 40° Vertical (2kHz Octave Band)
- Driver Compliment Includes 15" Cast Frame Woofer With a 1" Exit Compression Driver Coupled to a 50°H x 40°V HF Horn
- Easy, Weather Resistant Connection Via A Parallel 4-Pole Terminal Block Connector

Specifications

Driver Type	
LF	15" Cast Frame Woofer
HF	1" Compression Driver with Titanium Diaphragm
Power Rating	250 Watts (53V) RMS
Frequency Response	75Hz - 14.5 kHz (\pm 5dB)
Dispersion	50° x 40°
Sensitivity	104dB
Impedance	8 Ω
Height	20½" (52.07 cm)
Width	20½" (52.07 cm)
Depth	32" (81.28 cm)
Weight	87 lbs (39.5 kgs)

AH66-15-BSG



Features

- (3) Forged Eyebolts Also Included for Suspended Installation
- 250 Watts Power Handling
- 8 Ω Nominal System Impedance (70.7V Operation via Optional Atlas Sound Model AF140 Transformer)
- Constant Directivity Design Offers Controlled Coverage of 65° Horizontal by 65° Vertical (2kHz Octave Band)
- Driver Compliment Includes 15" Cast Frame Woofer With a 1" Exit Compression Driver Coupled to a 65°H x 65°V HF Horn
- Easy, Weather Resistant Connection Via A Parallel 4-Pole Terminal Block Connector
- Efficiency Rating of 104dB (1W/1m)

Specifications

Driver Type	
LF	15" Cast Frame Woofer
HF	1" Compression Driver with Titanium Diaphragm
Power Rating	250 Watts
Frequency Response	75Hz - 14.5kHz (\pm 5dB)
Dispersion	65° x 65°
Sensitivity	104dB
Impedance	8 Ω
Height	20½" (52.07 cm)
Width	20½" (52.07 cm)
Depth	32" (81.28 cm)
Weight	87.00 lbs (39.5 kgs)

AH94-15-BSG



Features

- (3) Forged Eyebolts Also Included for Suspended Installation
- 250 Watts Power Handling
- 8 Ω Nominal System Impedance (70.7V Operation Via Optional Atlas Sound Model AF140 Transformer)
- Constant Directivity Design Offers Controlled Coverage of 90° Horizontal by 40° Vertical (2kHz Octave Band)
- Driver Compliment Includes 15" Cast Frame Woofer with a 1" Exit Compression Driver Coupled to a 90°H x 40°V HF Horn
- Easy, Weather Resistant Connection Via A Parallel 4-Pole Terminal Block Connector
- Efficiency Rating of 104dB (1 W/1m)

Specifications

Driver Type	
LF	15" Cast Frame Woofer
HF	1" Compression Driver with Titanium Diaphragm
Power Rating	250 Watts
Frequency Response	75Hz - 14.5kHz (\pm 5dB)
Dispersion	90° x 40°
Sensitivity	104dB
Impedance	8 Ω
Height	20½" (52.07 cm)
Width	30" (76.2 cm)
Depth	31" (78.74 cm)
Weight	100 lbs (45.4 kgs)

AH42-212-BSG



Features

- 3-Way Design
- Single 1" Exit Compression Driver
- Single 1.5" Exit Midrange Compression Driver
- 8Ω Nominal Impedance
- Weather Resistant Connection Via a Convenient Recessed Terminal Block Located on the Bottom of the Loudspeaker
- Dual 12" Cast Frame Woofers
- 40° x 20° Dispersion
- Seven, 10mm Internally Reinforced Forged Eyebolts Included for Suspended Installation

Specifications

Power Handling (Full Range)	750 Watts
Power Handling (Bi-Amp)	
High Pass	250 Watts
Low Pass	800 Watts
Sensitivity (1W/1m)	106dB (80Hz - 17kHz average)
Frequency Response	100Hz - 17kHz
Dispersion	40° x 20°
Nominal Impedance	8Ω
Minimum Impedance	4.9Ω @ 80Hz
Height	32.53" (82.63 cm)
Width	32.53" (82.63 cm)
Depth	47.11" (119.67 cm)
Weight	300 lbs (136.08kg)

AH66-212-BSG



Features

- Single 1" Exit Compression Driver
- 3-Way Design
- Single 1.5" Exit Midrange Compression Driver
- 8Ω Nominal Impedance
- Weather Resistant Connection Via a Convenient Recessed Terminal Block Located on the Bottom of the Loudspeaker
- Dual 12" Cast Frame Woofers
- 65° x 65° Dispersion
- Seven, 10mm Internally Reinforced Forged Eyebolts Included for Suspended Installation

Specifications

Power Handling (Full Range)	750 Watts
Power Handling (Bi-Amp)	
High Pass	250 Watts
Low Pass	800 Watts
Nominal Impedance	8Ω
Sensitivity (1W/1m)	106dB (80Hz - 17kHz average)
Frequency Response	100Hz - 17kHz
Minimum Impedance	4.9Ω @ 80Hz
Dispersion	65° x 65°
Height	32.53" (82.63 cm)
Width	32.53" (82.63 cm)
Depth	47.11" (119.67 cm)
Weight	300 lbs. (136.08kg)

AH94-212



Features

- Single 1" Exit Compression Driver
- 3-Way Design
- Single 1.5" Exit Midrange Compression Driver
- 8Ω Nominal Impedance
- Weather Resistant Connection Via a Convenient Recessed Terminal Block Located on the Bottom of the Loudspeaker
- Dual 12" Cast Frame Woofers
- 90° x 40° Dispersion
- Seven, 10mm Internally Reinforced Forged Eyebolts Included for Suspended Installation

Specifications

Power Handling (Full Range)	750 Watts
Power Handling (Bi-Amp)	
High Pass	250 Watts
Low Pass	800 Watts
Sensitivity (1W/1m)	105.7 dB (80Hz - 17kHz average)
Frequency Response	100Hz - 17kHz
Dispersion	90° x 40°
Nominal Impedance	8Ω
Minimum Impedance	4.9Ω @ 80Hz
Height	32.53" (82.63 cm)
Width	32.53" (82.63 cm)
Depth	47.11" (119.67 cm)
Weight	300 lbs (136.08kg)

AHSUB15-BSG



Features

- 250 Watts Power Handling
- Easy Installation. Secure Surface Mounting or Suspension Installation is Possible via the Integral Forged Eyebolts
- Easy, Weather Resistant Connection via a Convenient Recessed Terminal Block Located on the Back of the Loudspeaker
- Impressive Efficiency Rating of 103dB 1W/1m Makes the AHSUB15S a Perfect Choice for Low Frequency Augmentation of High Energy Music Playback at Sporting Events
- Maximum Output of 127dB (Rated Power @ 1M)
- Weather & Rodent Resistant. Rear Firing Woofer Cavity and Mesh Screen Over the Enclosure Front Protects the Speaker from Weather and/or Rodent Damag.

Specifications

Driver Type	Treated Paper
Power Rating	250 Watts
Frequency Response	55Hz – 120Hz (±5dB)
Dispersion	Omni
Sensitivity	103dB SPL (1W/1m)
Height	30 ³ / ₁₆ " (77.6224 cm)
Width	30" (76.2 cm)
Depth	29 ¹ / ₄ " (73.914 cm)



AH Horns Are Ideally Used In Athletic Fields Or Other Open Spaces Where Long Throw And High Intelligibility Are Required