

The Industry's Only Constant Directivity Re-Entrant Horn

New CD Series horns from Atlas Sound provide greatly improved uniform sound coverage compared to conical designs. With all models the horizontal coverage pattern is precisely controlled over a frequency range. For mounting, the proven CJ46 style heavy-duty steel mounting bracket is utilized with positive lock for horizontal and vertical positioning in single or stacked multi-unit clusters.

Construction is polyester resin and glass-fiber laminate integrally molded to a die-cast zinc throat section.

Recommended Atlas Sound Drivers: PD75T, PD30 Series, PD-5 Series, PD60 Series.

Beamwidth is defined as the -6dB point(s) from center axis.

CD42

Horizontal Beamwidth: 40°, ±10°, 800Hz – 10 kHz

Vertical Beamwidth: 20°, ±10°, 2kHz – 10 kHz

CD64

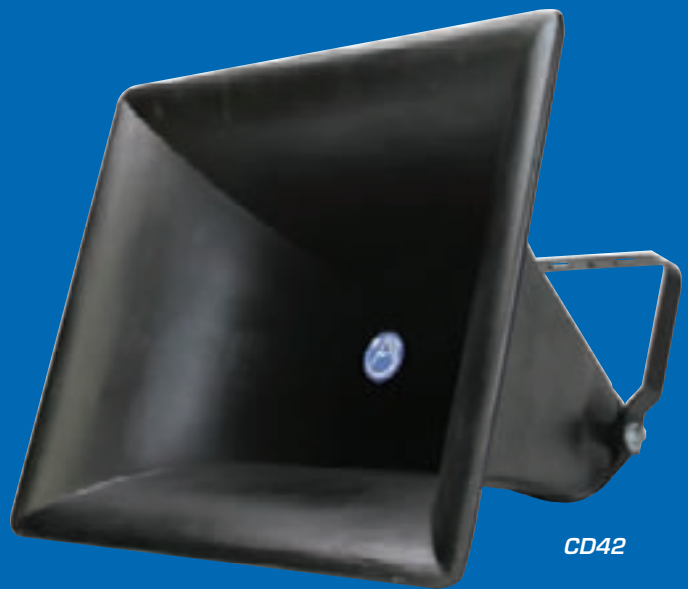
Horizontal Beamwidth: 60°, ±10°, 600Hz – 6 kHz

Vertical Beamwidth: 40°, ±10°, 1000Hz – 7 kHz

CD94

Horizontal Beamwidth: 90°, ±10°, 900Hz – 6 kHz

Vertical Beamwidth: 40°, ±10°, 1000Hz – 10 kHz



CD42



CD64



CD94

PD75T

Atlas Sound's new PD75T compression driver is the perfect compliment for the CD series of constant directivity re-entrant horns. With

increased power handling and extended high frequency response the PD75T is the perfect solution for applications such as race tracks, sporting venues and large scale mass notification systems.





AH4060S (Installed at Firebird Raceway in Chandler, AZ)

AH Series Stadium Horns

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.

With a complete family of 8", 12", and 15" 2-way systems, designers and specifiers can select models for whatever SPL is required with the peace of mind that all units will provide outstanding pattern control.

90° H X 90° V models (8" and 12" models only) are suggested for shorter loudspeaker to listener distances and/or wider coverage requirements such as bleacher seating where the speaker may be in close proximity to the crowd.

65° H X 65° V (8", 12" and 15" models) square coverage pattern models are perfect for down-firing applications including convention centers.

90° H X 40° V patterns (8", 12" and 15" models) work well when longer speaker to listener distances require a tighter vertical coverage pattern. 15" AH series models offer an even slightly tighter pattern of 50° H X 40° V. This device is often mounted atop football field press boxes with the device aimed at the visitor side in conjunction with wider coverage pattern models to cover the home side bleachers.

Common Design Features:

Multiple stainless steel mesh screens protect internal drivers from weather and pest damage. A primary rodent screen provides protection for all components, a secondary screen resides between the high frequency horn and the driver, and a third perforated screen protects the woofer.

Heavy-duty stainless steel mounting brackets are included with all models and three dropforge eyebolts are also included for overhead suspension (use only load-rated & approved hardware). For light pole mounting Atlas Sound also distributes matching accessories from Allen Products. (see page 44).

15" models AH9040S, AH6565S and AH5040S feature impressive, full range sound reproduction via a high excursion low frequency woofer and a concentrically mounted 1" exit compression driver. A highly efficient internal passive crossover network ensures proper transition between the two drivers, which collectively provide frequency response from 75Hz – 14.5kHz (±5 dB).

With an efficiency rating in excess of 102dB (1W/1M), the 15" AH Series is a perfect choice for high-energy music playback at sporting events and extended range speech reinforcement for large venue emergency notification. The 8 Ω rating allows maximum low frequency response and is a good match with Atlas Sound model CP700 amplifier. If transformer operation is required for long runs of smaller gauge cable please contact tech support for proper configuration and use of model AF140 auto-former. Termination is via rear mounted terminal block with a Plexiglas® cover for weather resistance.

The 8" & 12" 2-way models are perfect for applications where space considerations will not allow installation of the larger 15" 2-way models. All 8" & 12" models include a 60 watt, 70.7V / 100V internal transformer which is accessed via terminal block connector sealed by a weather resistant cover. Transformer may also be bypassed for direct coupled 8Ω operation.