

Amplified Horns With Volume Control

Models AH5A (5W),
AH15A (15W)



Description

The AH5A and AH15A metal horn speakers are rugged, self-contained one-way amplified paging horn assemblies with screwdriver-adjustable volume controls.

Their sturdy, weatherproof, all-aluminum construction make them ideal for use in industrial plants, warehouses, schools, construction sites, transportation terminals, and recreation areas.

Universal mounting brackets permit adjustment in vertical and horizontal planes; banding slots are provided for ease in securing the horns to beams and pillars. Quick connections to audio and power sources are easily made with the supplied 4-conductor, color-coded cable. A plastic cover protects the volume control and provides cable strain relief.

Features

- 5- and 15-watt models with built-in amplifiers
- Screwdriver-adjustable volume controls
- Universal tilt-and-swivel mount
- Banding slots easily secure horns to beams and pillars
- 4-conductor, color-coded cable for quick connections to audio and power sources
- Plastic cover protects volume control and provides cable strain relief
- Weatherproof, all-aluminum housing
- Self-aligning, field-replaceable diaphragm
- Speaker and brackets have textured mocha enamel finish
- Mountable to I-beam flange using Bogen's BC1 Beam Clamp (sold separately)
- Mountable to electrical box using Bogen's HSES10 mounting strap (sold separately)
- Terminal Cover (TCSPT1) allows connection of conduit fittings to horn speakers (sold separately)

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Technical Specifications		
	AH5A	AH15A
Typical Operating Current:	6 CU (300 mA)*	18 CU (900 mA)*
Maximum Output Power (RMS):	5W	15W
Frequency Response:	275 Hz to 14 kHz	275 Hz to 14 kHz
Input Impedance:	1000 ohms	1000 ohms
Voltage:	24V DC	24V DC
Sensitivity (across 600 ohms):	32 mV	58 mV
SPL @ 4' on axis with rated input @ 1 kHz:	116 dB	121 dB
Dispersion:	110°	110°
Dimensions:	9" Diameter x 9-1/4" D	9" Diameter x 9-1/4" D
Product Weight:	4 lb.	4 lb.
Finish:	Textured mocha enamel	Textured mocha enamel

*1 CU = 50 mA

Architect and Engineer Specifications

The loudspeaker shall be a Bogen Model _____ amplified horn-type loudspeaker, or approved equivalent, and shall incorporate a _____-watt amplifier with volume control. (Specify AH5A/5-watt or AH15A/15-watt.) Frequency response shall be from 275 Hz to 14 kHz; dispersion shall be 110°. The loudspeaker shall operate from a 24V DC source, and shall provide an input impedance of 1000 ohms.

AH5A

Maximum power output shall be 5 watts RMS. Sound pressure level, measured four feet on axis with 5 watt output @ 1 kHz shall be at least 116 dB. Typical operating current shall be 6 CU (300 mA). Sensitivity shall be 32 mV across 600 ohms.

AH15A

Maximum power output shall be 15 watts RMS. Sound pressure level, measured four feet on axis with 15 watt output @ 1 kHz shall be at least 121 dB. Typical operating current shall be 18 CU (900 mA). Sensitivity shall be 58 mV across 600 ohms.

The loudspeaker shall be of weatherproof, all-metal construction, with driver enclosed within a waterproof housing. A 4-conductor, color-coded cable shall be provided for quick connection to audio and power sources. The loudspeaker shall include a self-aligning, field-replaceable diaphragm. A plastic cover shall be provided for strain relief and to protect the volume control.

An all-purpose mounting bracket shall provide precise positioning in the vertical and horizontal planes with a single adjustment. The bracket shall include banding slots to permit mounting on beams and pillars. The bracket and loudspeaker shall be finished in textured mocha enamel. The unit shall measure 9" diameter x 9-1/4" deep. Product weight shall be 4 pounds.

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