

Amplified Horns With Volume Control

Models AH-5A and AH-15A



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- Features**
- High intelligibility and efficiency
 - Wide frequency response
 - 5 watts or 15 watts, with integral volume control
 - Weatherproof, all metal construction

Description

The Bogen AH5A and AH15A are self-contained one-way amplified paging horn assemblies with screwdriver-adjustable volume controls. They are ideal for expanding the capability of telephone paging systems in high-noise areas. Their sturdy, weatherproof, all-metal 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 24-inch color-coded cable. A plastic cover protects the volume control and provides cable strain relief.

Field maintenance is facilitated through the use of self-aligning, field-replaceable diaphragm assemblies mounted within a waterproof housing. Speaker and mounting bracket are finished in an attractive, durable, textured mocha enamel.

BOGEN[®]

Technical Specifications

Power Rating (RMS):

AH-5 — 5 watts

AH-15 — 15 watts

Frequency Response: 275Hz to 14kHz

Input Impedance: 600ohms balanced

Idle Current:

AH-5A — 75mA

AH-15A — 43mA

Operating Current at Rated Output:

AH-5A — 400mA

AH-15A — 1A

Voltage: 24VDC

Sensitivity (across 600 ohms):

AH-5A — 32mV

AH-15A — 58mV

Sound Pressure Level @ four feet on axis with rated input at 1000Hz:

AH-5A — 116dB

AH-15A — 121dB

Dispersion: 100°

Dimensions: 9" Diameter x 9-1/4"D (22.9 x 23.5 cm)

Shipping Weight: 4-1/2 lbs. (2 kg)

Finish: Textured mocha enamel

Architects and Engineers 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 AH-5A/5-watt or AH-15A/15-watt.) Frequency response shall be from 275Hz to 14,000Hz; dispersion shall be 110°. The loudspeaker shall operate from 24VDC source, positive ground, and shall provide an input impedance of 600 ohms, balanced

— (Use for AH-5A) Rated power output shall be 5 watts RMS continuous. Sound pressure level, measured four feet on axis with 15 watt input @ 1,000Hz shall be at least 116dB. Current at rated output shall be 400mA and, at idle, 75mA. Sensitivity shall be 32mV across 600 ohms.

— (Use for AH-15A) Rated power output shall be 15 watts RMS continuous. Sound pressure level, measured four feet on axis with 15 watt input @ 1,000Hz shall be at least 121dB. Current at rated output shall be 1mA and, at idle, 43mA. Sensitivity shall be 58mV across 600 ohms.

The loudspeaker shall be of weatherproof, all-metal construction, with driver enclosed within a waterproof housing. A 24-inch color-coded, insulated 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. Shipping weight shall be 4-1/2 pounds.

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COMMUNICATIONS, INC.

50 Spring Street, P.O. Box 575, Ramsey, New Jersey 07446
(201) 934-8500 FAX: (201) 934-9832