

# SELF-AMPLIFIED METAL HORN SPEAKERS

## Traditional Metal Horn Speakers

**AH5A** (5W) <sup>CURRENT UNITS</sup> -6, **AH15A** (15W) <sup>CURRENT UNITS</sup> -18

The AH5A and AH15A Metal Horn Speakers are rugged, self-contained amplified paging horn assemblies that can be used for high noise paging areas indoors as well as for outdoor use. Their sturdy, weatherproof, all-metal construction allows them to withstand any environment while continuing to provide excellent audio intelligibility for paging and background music.



AH5A



AH15A

### Product 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
- Self-aligning, field-replaceable diaphragm
- Weatherproof, all-aluminum housing
- Speaker and brackets have textured mocha enamel finish
- 110° dispersion pattern

Dimensions	Product Weight
9" dia. x 9-1/4" "D	4 lb. each

See page 30 to select a Power Supply.

### Accessories



BC1 Beam Clamp



TCSPT1 Terminal Cover for Conduit



HSES10 Horn Speaker Electrical Box Strap (Pack of 10)

### Determine Speaker Quantity

Use the chart for the speaker you will use (AH5A or AH15A):

1. Choose the level of ambient noise in the area to be covered.
2. Locate the area's square footage.
3. Where these two measurements meet are two numbers. The number in **GREEN** is the number of speakers required. The number in **RED** is the number of Current Units (CU) needed for that many speakers. (You may need to increase the number of speakers in areas where large objects or shelving project into the coverage area, blocking sound.)

**Current Units (min.) = Number in RED**



AH5A

HORN QTY. & MIN. CURRENT UNITS (CU) BASED ON AMBIENT NOISE	SIZE OF AREA TO BE COVERED (THOUSANDS OF SQUARE FEET)																					
	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100		
55-65 dB Low Noise - speech is easy	HORNS		1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10
	CU		6	6	12	12	18	18	24	24	30	30	36	36	42	42	48	48	54	54	60	60
65-75 dB Medium Noise - must raise voice to be heard	HORNS		1	2	3	4	5	5	6	7	8	9	10	10	11	12	13	14	15	15	16	17
	CU		6	12	18	24	30	30	36	42	48	54	60	60	66	72	78	84	90	90	96	102



AH15A

HORN QTY. & MIN. CURRENT UNITS (CU) BASED ON AMBIENT NOISE	SIZE OF AREA TO BE COVERED (THOUSANDS OF SQUARE FEET)																					
	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100		
75-85 dB High Noise - speech is difficult	HORNS		1	2	3	4	5	5	6	7	8	9	10	10	11	12	13	14	15	15	16	17
	CU		18	36	54	72	90	90	108	126	144	162	180	180	198	216	234	252	270	270	288	306
85-95 dB Very High Noise - speech almost impossible	HORNS		2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
	CU		36	72	108	144	180	216	252	288	324	360	396	432	468	504	540	576	612	648	684	720