

5W & 15W High-Efficiency Digital Switching Self-Amplified Horns

Models SAH5, SAH15



Description The SAH5 and SAH15 powered horn loudspeakers employ digital switching amplifier technology resulting in low DC current draw and low heat dissipation. This means fewer power supplies, longer cable runs, and the capacity to work at higher ambient temperatures when compared to conventional analog self-amplified horn speakers.

The horn loudspeakers can be positioned in any orientation (rotate, tilt, or swivel). The shape of the horn flare provides a controlled dispersion of sound for better intelligibility.

They can be used in any environment, indoors or outdoors, without affecting sound quality.

- Features**
- 5- and 15-watt models with built-in amplifiers
 - Digital switching amplifier technology provides low DC current draw and heat dissipation compared to conventional analog amplifiers
 - Low heat dissipation allows units to operate with continuous background music and in higher ambient temperatures than conventional analog self-amplified horn speakers
 - Excellent extended frequency response from 1.6" diameter voice coil and 90mm, 12-ounce magnet structure
 - Predictable dispersion pattern over the full frequency range ensures excellent intelligibility and ease of layout
 - 3 Ways to position speaker (rotate, tilt, and swivel)
 - Weatherproof, UV-protected plastic housing
 - Simple and secure cast aluminum swivel mount
 - Screw terminal strip for easy wire connections
 - Indexed volume control knob
 - Easily removable access cover
 - Slot in the base allows strapping to be used as a means of mounting the horn to electrical boxes (mounting strap included)
 - Mountable to an I-beam flange using Bogen's BC1 beam clamp (not included)
 - Two-Year Warranty

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Technical Specifications	SAH5	SAH15
Typical Current Consumption:	4 CU (200 mA)	9 CU (450 mA)
Max. Power Rating:	5W	15W
Max. Sound Level:	119 dBspl	124 dBspl
Input Sensitivity:	125 mVrms	125 mVrms
Frequency Response:	275 Hz - 14 kHz	275 Hz - 14 kHz
Input Impedance:	2k ohms	2k ohms
Dispersion:	120°	120°
Dimensions (W x H x D):	10 ^{-5/8} " x 12" x 11 ^{-1/2} "	10 ^{-5/8} " x 12" x 11 ^{-1/2} "
Weight:	6 lb.	6 lb.

Architect and Engineer Specifications*

The SAH5 and SAH15 shall be self-amplified horn loudspeakers. Both horns shall employ digital switching amplifier technology to provide low DC current draw and heat dissipation.

The shape of the horn flare shall provide a controlled dispersion of sound for better intelligibility.

Both models shall include a screw terminal strip and a volume control knob located under a removable access cover.

Both the SAH5 and SAH15 shall include a simple to use and secure cast aluminum swivel mount and a mounting strap to permit mounting to electrical boxes. Both shall be capable of being positioned in any orientation (rotate, tilt, or swivel).

Both models shall be comprised of weatherproof, UV-protected plastic housing.

Both models shall be mountable to an I-beam flange using Bogen's BC1 beam clamp (not included).

Product dimensions of both models shall be 10^{-5/8}" W x 12" H x 11^{-1/2}" D. Product weight for both models shall be 6 lb.

SAH5

The SAH5 shall be a 5-watt self-amplified horn loudspeaker. The typical current consumption shall be 4 CU (200 mA). The maximum output level shall be 119 dBspl. The input sensitivity shall be 125 mVrms. The frequency response shall be 275 Hz - 14 kHz. The input impedance shall be 2k ohms. The dispersion shall be 120°.

SAH15

The SAH15 shall be a 15-watt self-amplified horn loudspeaker. The typical current consumption shall be 9 CU (450 mA). The maximum output level shall be 124 dBspl. The input sensitivity shall be 125 mVrms. The frequency response shall be 275 Hz - 14 kHz. The input impedance shall be 2k ohms. The dispersion shall be 120°.

* Architect and Engineer Specifications are available online in a Word document to assist you with preparing your bids.