



GAI-Tronics provides loudspeakers designed for the reproduction and broadcast of voice communications and pre-recorded tones and speech messages. These loudspeakers are typically used in industrial and commercial locations such as manufacturing plants, metal and chemical processing facilities, and warehouses.



Model HP15-8

#### MODEL HP15-8

- ABS construction for corrosion and weather resistance, and durability
- Stainless steel mounting bracket
- Compact integral 8 ohm driver has 15 watt rating



Model 13309-001

#### MODEL 13309-001

- Black molded polystyrene horn provides excellent temperature, corrosion and weather resistance
- Epoxy-coated steel mounting bracket allows easy vertical positioning
- Controlled dispersion and high efficiency provide excellent intelligibility
- Wide frequency response for outstanding voice reproduction
- Available with all stainless hardware and Type 316 stainless steel bracket; add "SB" to model number.



Model 13302-002

#### MODELS 13302-002 and 13304-002

- Aluminum horns with gray epoxy finish for corrosion and weather resistance
- Excellent performance in voice frequencies
- Steel mounting bracket for easy vertical or horizontal positioning
- Separate driver allows flexibility in applications
- 1 3/8" UNEF thread (female) provided for driver connection
- Available with all stainless hardware and Type 316 stainless steel bracket; add "SB" to model number



Model 13304-002

MODEL NUMBER	LOW FREQ. CUT-OFF <sup>3</sup>	DISPERSION @ 1250 Hz <sup>1</sup>	SOUND PRESSURE LEVEL		EFFICIENT FREQUENCY RANGE	AIR COLUMN LENGTH	DIMENSIONS DIA. X LENGTH		SHIPPING WEIGHT
			@ 12W	@ 30W			INCHES	MM	
HP15-8	315 Hz	110°	116 dB	N/A	470-7600 Hz	1.5 ft (.45 m)	7.8 x 9.7	200 x 247	3.8 lbs (1.7 kg)
13309-001 <sup>2</sup>	350 Hz	120°	115 dB	118 dB	450-3400 Hz <sup>1</sup>	2.8 ft (.85 m)	<sup>10.5H x 21.5W x 15.1L<sup>1</sup></sup> 178x364x314 <sup>1</sup>		10 lbs (4.5 kg)
13302-002 <sup>2</sup>	340 Hz	65°	118 dB	120 dB	440-3400 Hz <sup>1</sup>	3.5 ft (1.07 m)	20.5x20.4 <sup>1</sup>	521x518 <sup>1</sup>	13 lbs (5.9 kg)
13304-002 <sup>2</sup>	350 Hz	60°	116 dB	120 dB	450-3500 Hz <sup>1</sup>	2.5 ft (.76 m)	16.5x17.0 <sup>1</sup>	419 x 430 <sup>1</sup>	9.6 lbs (4.1kg)

<sup>1</sup>Specification includes performance or dimension of horn with GAI-Tronics Model 13314 driver.

<sup>2</sup>Model number for horn only; does not include driver.

<sup>3</sup>Reference: -20 dB from average SPL

# HORNS & SPEAKERS

## Industrial

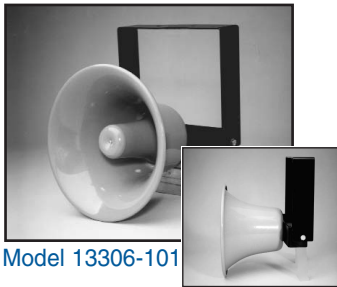
Specially designed to fill unique application needs - these horns provide flexibility in design and application to fill individual communication requirements.



Model 13305-001

### MODEL 13305-001

- Bi-directional design
- Especially effective in hallways or corridors
- Requires single separate driver
- 1 3/8" UNEF thread (female) provided for driver connection
- Optional epoxy coating offers extra protection against corrosion



Model 13306-101

### MODEL 13306-101

- Sturdy aluminum construction with epoxy coating
- Requires a separate driver
- 1 3/8" UNEF thread (female) provided for driver connection
- Steel mounting bracket for easy vertical or horizontal positioning



Model 13328-001

### MODEL 13328-001

- Non-corrosive beige molded ABS
- Two-way adjustable mount allows precise positioning
- Compact integral 8 ohm driver has 15 watt rating

MODEL NUMBER	LOW FREQ. CUT-OFF <sup>3</sup>	DISPERSION ANGLE @ 1250 Hz <sup>1</sup>	SOUND PRESSURE LEVEL		EFFICIENT FREQUENCY RANGE	AIR COLUMN LENGTH	DIMENSIONS DIA. X LENGTH		SHIPPING WEIGHT
			@ 12W	@ 30W			INCHES	MM	
13305-001 <sup>2</sup>	330 Hz <sup>1</sup>	2 @ 80°	109 dB <sup>1</sup>	111 dB <sup>1</sup>	450-4400 Hz <sup>1</sup>	1.5 ft (.46 m)	8.5x20.5 <sup>1</sup>	216 x 521 <sup>1</sup>	4.5 lbs (2 kg)
13306-101 <sup>2</sup>	315 Hz <sup>1</sup>	110°	116 dB <sup>1</sup>	119 dB <sup>1</sup>	460-4000 Hz <sup>1</sup>	1.5 ft (.46 m)	9.75x6.13 <sup>1</sup>	248 x 156 <sup>1</sup>	2.8 lbs (1.3 kg)
13328-001	375 Hz <sup>1</sup>	120°	112 dB	-	490-7300 Hz	1.1 ft (.33 m)	6.5x6.6	165 x 168	3 lbs (1.4 kg)

<sup>1</sup>Specification includes performance or dimension of horn with GAI-Tronics Model 13314 driver.  
<sup>2</sup>Model number for horn only; does not include driver.  
<sup>3</sup>Reference: -20 dB

## ACCESSORIES

GAI-Tronics offers speaker mounting assemblies which provide for vertical and horizontal positioning of integral speakers and horn/driver combinations. The assemblies are heavy casting coated with gray baked enamel.

The chart to the right details the speakers and horn/driver combinations and their associated mounting assembly. Additionally, GAI-Tronics offers a stainless steel U-bracket, Model 12526-001, for use with the 13302, 13304 and 13309 horns. The Model 13302-002 and 13304-002 horns are available with all stainless mounting hardware and a Type 316 stainless steel mounting bracket; order model 13302-002SB or 13304-002SB.

Horns	Drivers	
	13310	13314
13302-002	415A	411A
13304-002	415A	411A
13305-001	413A	413A
13306-101	415A	411A
13309-001	415A	411A
HP15-8	Has Integral Driver - Use 412B	
13328-001	Has Integral Driver - Use 412-002	



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The policy of GAI-Tronics is one of continuous improvement, therefore the company reserves the right to change specifications without notice