



# Industrial Horns and Speakers

Industrial Loudspeakers

AUSTDAC PTY. LTD.

A.B.N. 31 002 654 695

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.

## ***Models 13302 and 13304***

- Aluminium horns with grey epoxy finish for corrosion 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.



***Model 13302***



***Model 13304***

## ***Model HP15-8***

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



***Model HP15-8***

## ***Model 13309***

- Black molded polystyrene horn provides excellent temperature resistance.
- Epoxy coated steel mounting bracket allows easy vertical positioning.
- Controlled dispersion and high efficiency provide excellent intelligibility.
- Wide frequency response for outstanding voice production.



***Model 13309***

### ***New South Wales:***

Tel: (02) 8851 5000  
Fax: (02) 9899 2490  
[austdac.nsw@austdac.com.au](mailto:austdac.nsw@austdac.com.au)

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### ***Queensland:***

Tel: (07) 4955 2777  
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# Industrial Horns and Speakers

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	
13302-002 <sup>2</sup>	340 Hz	65 °	118 dB	120 dB	440-3400 Hz <sup>1</sup>	3.5 ft (1.07 m)	20.5 x 20.4 <sup>1</sup>	521 x 518 <sup>1</sup>	13 lbs (5.9 kg)
13304-002 <sup>2</sup>	350 Hz	60 °	117 dB	120 dB	450-3500 Hz <sup>1</sup>	2.5 ft (.76 m)	16.5 x 17.0 <sup>1</sup>	419 x 430 <sup>1</sup>	9.6 lbs (4.1 kg)
13309-001 <sup>2</sup>	350 Hz	120 °	115 dB	118 dB	450-3400 Hz <sup>1</sup>	2.8 ft (9.85 m)	10.5Hx21.5W x15.1L <sup>1</sup>	178x364x314 <sup>1</sup>	10 lbs (4.5 kg)
HP15-8	315 Hz	110 °	116 dB	-	470-7600 Hz	1.5 ft (.45m)	7.8 x 9.7	200 x 247	3.8 lbs (1.7 kg)

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

2 Model number for horn only: does not include driver.

3 Reference: -20 dB from average SPL.

## Speciality Horns

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

### Model 13305

- 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 13305**

### Model 13306

- Sturdy aluminum construction.
- Requires a separate driver.
- Well-suited for constricted mounting areas.
- 1 3/8" UNEF thread (female) provided for driver connection.
- Optional epoxy coating offers extra protection against corrosion.



**Model 13306**

### Model 13328

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



**Model 13328**

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MODEL NUMBER	LOW FREQ. CUT-OFF <sup>3</sup>	DISPERSION ANGLE @ 1250 Hz	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)	8.5 x 20.5 <sup>1</sup>	216 x 521 <sup>1</sup>	4.5 lbs (2 kg)
13306-001 <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)	8.8 x 8.6 <sup>1</sup>	222 x 293 <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)	6.5 x 6.6	165 x 168	3 lbs (1.4 kg)

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

## Accessories

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

HORNS	DRIVERS	
	13310	13314
13302-002	415A	411A
13304-002	415A	411A
13305-001	413A	413A
13306-001	414-002	414-002
13309-001	415A	411A
HP15-8	Has Integral Driver - Use 412B	
13328 -001	Has Integral Driver - Use 412A	

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