

### Features

- High-impact, glass-reinforced polyester horn
- Wide coverage angle with constant directivity
- Corrosion-resistant hardware and mounting brackets
- Optional speaker mounting assemblies available

### Benefits

- Highly resistant to chemicals and corrosives
- High intelligibility
- Maintains physical appearance in harsh environments
- Reduces the number of horns required for optimum coverage in open areas

The GAI-Tronics **Model 13340** wide-angle, constant directivity is designed to produce intelligible communications over a broad area. This horn has an even 120° horizontal and 60° vertical coverage angle for all speech reproductions. At any point throughout the horn's coverage angle, the quality and decibel level of a sound



Model 13340



**Driver and Speaker  
Mounting Assembly  
Sold Separately**

emitted remains constant within 6dB. The 13340's highly rugged and corrosive-resistant design makes it ideal for indoor or outdoor applications with few obstructions. GAI-Tronics offers a full range of acoustical engineering services to ensure the best speaker performance and proper placement for any application.

Patent No. 4,982,436

## SPECIFICATIONS

### Acoustical

Frequency Response: ..... 450 Hz-8,000Hz +/-5 dB with 13314 and 13310 series driver  
 Low Frequency Cutoff: ..... -10 dB (350 Hz)  
 High Frequency Cutoff: ..... -10 dB (12 KHz)  
 Coverage Angle: ..... 120° horizontal; 60° vertical; nom.  
 dB Level: ..... 119 dBspl @ 12 watts with 13314 driver at one meter  
 ..... 113 dBspl @ 12 watts with 13310 driver at one meter

### Material

Horn body: ..... High-impact, injection molded, glass-reinforced polyester  
 Mounting Hardware: ..... Passivated 304 stainless steel  
 Bracket: ..... Hot-dipped zinc, cold-rolled steel  
 Driver Coupling Insert: ..... Clear-anodized aluminum  
 Driver Coupling: ..... 1-3/8 inch, 18 TPI UNEF  
 Mounting: ..... Will accommodate two 1/2 inch bolts spaced 3 to 5 inches  
 Throat Diameter: ..... 1 inch  
 Dimensions: ..... 15.63 (397) H x 27 (686)W x 14 (356)D; inches (mm)  
 Temperature Range: ..... -40C to +70C  
 Weight: ..... 12 lbs (5.44 kg)

## ORDER INFORMATION

### Order Model 13340

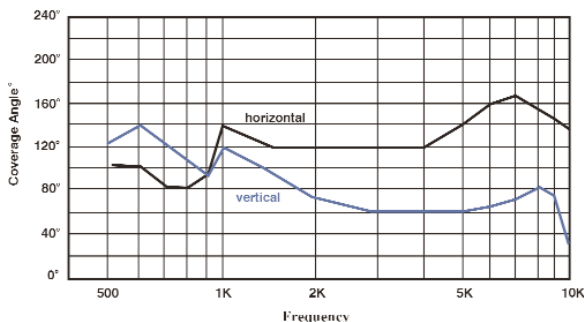
Model 13340 requires a separate compression driver (Reference GAI-Tronics Models 13314 and 13310)

### Accessories

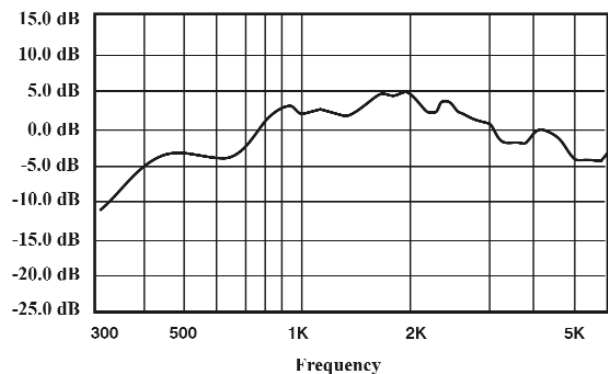
411A ..... Speaker mounting assembly for 13340 and 13314 combinations  
 415A ..... Speaker mounting assembly for 13340 and 13310 combinations  
 12526-001 ..... Speaker steel mounting bracket kit

**GAI-Tronics offers a complete line of replacement parts to assure proper maintenance and reduce costly downtime.**

Directivity Plot for 13340 Horn at -6dB point



Frequency Response of 13340 with 13314 Driver



Pub. 890209 rev 2-2001



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Quality Management System Certified by DNV - ISO 9001:2008  
 The policy of GAI-Tronics is one of continuous improvement; therefore the company reserves the right to change specifications without notice.