

Constant Directivity Horn

Model 13340



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.

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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: -40° C to +70° C

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

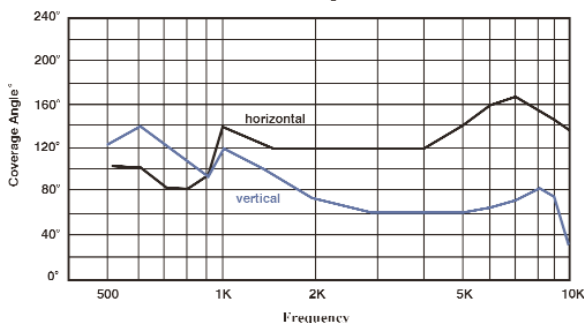
411A Speaker mounting assembly for 13340 and 13314 combinations

415A Speaker mounting assembly for 13340 and 13310 combinations

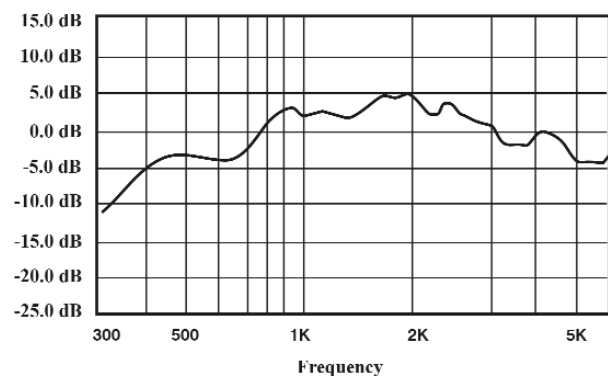
12526-001 Speaker steel mounting bracket kit

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



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Quality Management System Certified by DNV-GL - ISO 9001:2015. The policy of GAI-TRONICS is one of continuous improvement; therefore the company reserves the right to change specifications without notice.



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