



GPH/GAP Horns

GPH or GAP Series

Weather Resistant ABS or Aluminum Construction 70.7/25 Volt / 8-Ohm Paging Horns



FEATURES

- HIGH IMPACT, WEATHER RESISTANT GREY PAINTED ALUMINUM OR GREY ABS CONSTRUCTION
- EXTERNALLY SELECTABLE WATT TAPS
- 70V AND 25V LINE TRANSFORMER BUILT IN
- UNIVERSAL SWIVEL MOUNT FOR EASY POSITIONING AND INSTALLATION.
- 350 - 15kHz. FREQUENCY RESPONSE
- ECONOMICAL PRICING

GPH / GAP Series

Weather Resistant Outdoor 70.7 / 25Volt / 8-Ohm
Commercial Paging Horns

Paging Horns

SPECIFICATIONS - GAP SERIES



MODEL NO.:	GAP-15T	
DIAMETER:	28cm (11")	
DEPTH:	22.9cm (9")	
HEIGHT:	21cm (8-1/4")	
FREQUENCY RANGE:	400 - 14 kHz.	500 - 6kHz +/- 5 dB.
DISPERSION PATTERN:	120 degrees	
POWER RATING:	15 Watt (70.7V)	
SOUND PRESSURE LEVEL:	120dB 15W/1M Pk. 116dB 15W/1M Avg 500-6 kHz. 106dB 1W/1M Avg 500-6 kHz.	
IMPEDANCE TAPS (OHM):	5000 / 2500 / 1300 / 666 / 333 / 89 / 45	
WATTAGE TAPS (WATTS):	70v - 1/2/4/7.5/15 25v - 0.5/1/2/7.5/15 100v - 2/4/7.7/15	
WEIGHT:	1.7Kg (3.75 lb.)	
MOUNTING CENTERS:	6.3cm (2-1/2") diameter	
MOUNTING HOLES:	3 x 7.14mm (9/32") holes at 120 degrees (for 1/4" bolt)	
MATERIAL:	Aluminum, baked grey or beige epoxy finish - beige is special order	
INSTALLATION SHEET NO.:	I-SD-GAP-0004-R-A	

SPECIFICATIONS - GPH SERIES



MODEL NO.:	GPH-415	GPH-30
DIAMETER:	16cm (7-1/2")	17.2cm (6-3/4") x 27.9cm (11")
DEPTH:	22.9cm (9")	26cm (10-1/4")
HEIGHT:	25.4cm (10")	19cm (7-1/2")
FREQUENCY RANGE:	350 - 15 kHz.	350 - 15 kHz.
DISPERSION PATTERN:	130 degrees	H 120 x V 90 degrees
POWER RATING:	16 Watt (70.7V)	32 Watt (70.7V)
SOUND PRESSURE LEVEL:	119dB. 16W/1M	123dB. 32W/1M
VOICE COIL DIAMETER:	3.4cm (1-3/8")	3.4cm (1-3/8")
IMPEDANCE TAPS (OHM):	5000 / 2500 / 1250 / 625 / 312 / 156 / 88	2500 / 1250 / 625 / 312 / 156 / 83 / 42
WATTAGE TAPS (WATTS):	70v - 1/2/4/8/16 25v - 0.5/1/2/4/8 & 8-Ohm	70v - 2/4/8/16/32 25v - 1/2/4/8/16 & 8-Ohm
WEIGHT:	1.5Kg (3.5 lb.)	1.7 Kg (3.8 lb.)
MOUNTING CENTERS:	5.8cm (2-9/32") diameter	5.8cm (2-9/32") diameter
MOUNTING HOLES:	3 holes @ 120 degrees	3 holes @ 120 degrees
MATERIAL:	Grey ABS Plastic	Grey ABS Plastic
INSTALLATION SHEET NO.:	I-SD-GPH-0001-R.A	I-SD-GPH-0001-R.A

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ARCHITECTS AND ENGINEERS SPECIFICATIONS

General Note:

The GAP Series of horns is an all aluminum, epoxy paint coated weather resistant paging horn. This horn is more ruggedly built, and has better performance specifications than the GPH Series.

AEG GAP Series

- The paging horn shall be **AEG Model GAP-15T**. The unit shall have an (11") round front opening. The depth of the paging horn shall not exceed 22.9cm(9"), and the maximum height shall be 20.95cm (8-1/4"). The complete body of the horn shall be made from aluminum and painted with a grey epoxy paint. The maximum power rating shall be 15 Watts, and the uniform frequency response shall be 400 - 14 kHz. or 500-6,000 hz +/- 5dB. The sound pressure levels shall be 120 dB. (15w/1m Peak), 116 dB. (15w/1m Avg 500-6kHz) or 106 dB. (1w/1m Avg 500-6kHz) . The paging horn shall be equipped with a 100/70/25 v line matching transformer with power taps of 70v - 1 / 2 / 4 / 7.5 / 15, or 25v - 0.5 / 1 / 2 / 7.5 / 15, or 100v - 2 / 4 / 7.7 / 15. The mounting bracket shall be fully adjustable for precise horn positioning, and shall have 3 mounting holes for surface mount conditions, or a strap slot for pole or column type applications. The horn's dispersion shall be 70 deg. (-6 dB, 2000 hz octave band). Wiring and transformer tap selection shall be sealed under a weather tight plate for security and weatherproof protection. The sound paging horn shall be **AEG Model GAP-15T**.

AEG GPH Series

- The **GPH-415** is a quality 16 watt round paging horn. This model is designed to be used wherever high volume, reasonable quality sound reproduction is required. This horn is both economically priced, and good Quality. The GPH-415 is equipped with a built in line matching transformer for the 70.7(16w max.) and 25(8w max.) volt lines, or can be tapped at 8 Ohms. The mounting base is the universal swivel mount type, designed for quick installations. This horn can be used in outdoor conditions, however to increase it's life expectancy care should be taken to reduce the amount of direct harsh weathering that the unit might receive. When ordering please specify Arnscott **Model GPH-415**. These units are sold as each.
- The **GPH-30** is a quality 32 watt rectangular paging horn. This model is designed to be used wherever high volume, reasonable quality sound reproduction is required. This horn is both economically priced, and good Quality. The GPH-30 is equipped with a built in line matching transformer for the 70.7V(32w max.) and 25V(16w max.) lines, or can be tapped at 8 Ohms. The mounting base is the universal swivel mount type, designed for quick installations. This horn can be used for outdoor conditions, however care should be taken to reduce the amount of direct, harsh weathering that the unit might receive. When ordering please specify Arnscott **Model GPH-30**. These units are sold as each.

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INSTALLATION & ORDERING INFORMATION

Driver Protection:

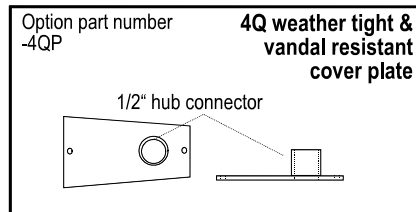
This horn speaker should not be driven outside of the frequency range specified. A 300 hz, 6 dB/Octave high pass filter is recommended to protect the device from burn out. This filter can either be applied to the input to the amplifier electronically, or passively to the output of the amplifier, usually at the device. A capacitor at each device in series with the common on the horn will achieve this effect. The capacitor must be the bipolar type and voltage rated to be higher in value than the amplifier voltage output. 150-250 volt metalized polyester film capacitors are recommended. For capacitor values, see the chart below. For GPH Series connecting to 8-Ohm Amplifiers, call for appropriate Capacitor Values....however it is large, better off protecting the horns on the preamp side of the amplifier.

Typical Capacitor Values		
25 Volt Line	70 Volt Line	100 Volt Line
15 mfd	2 mfd	1 mfd

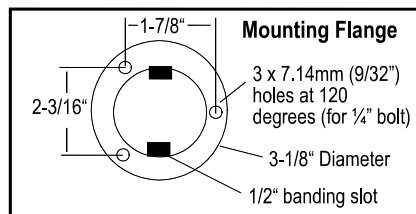
GAP Series Options:

Optional Weather Tight & Vandal Resistant Wiring Cover Plate:

- Add suffix to part number "-4Q" to order with this adaptor. Adaptor is 1/2" tapered pipe thread, NPT. This thread will accept 1/2" standard pipe thread for 4Q watertight type connectors.



Flange mounting information:



Ordering information:

- Optional beige epoxy paint, add suffix to part number "-bg". Note, minimum qty's and longer lead time will apply.
- Optional weather tight and vandal proof plate, add suffix to part number "-4Q"
- Product is packaged as each.