



# GAPX Horn

## GAPX Series

Weather Resistant Aluminum, Explosion-Proof Construction 25 / 70.7Volt Paging Horn

### FEATURES

- HIGH IMPACT, WEATHER RESISTANT GREY PAINTED ALUMINUM CONSTRUCTION
- EXTERNALLY SELECTABLE WATT TAPS BY MEANS OF WIRING HARNESS
- 70V AND 25V LINE TRANSFORMER BUILT IN
- HEAVY DUTY U-MOUNT FOR EASY POSITIONING AND INSTALLATION.
- 500 - 6kHz. FREQUENCY RESPONSE
- DESIGNED FOR ENVIRONMENTS THAT HAVE AN EXPLOSIVE TYPE ATMOSPHERE

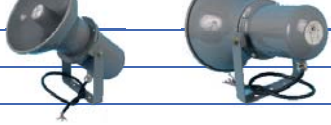


# GAPX Series

## Explosion Proof Indoor/Outdoor 70.7 / 25Volt Commercial Paging Horn

# Paging Horns

### SPECIFICATIONS - GAPX SERIES

<b>MODEL NO.:</b>	GAP-EX-15T	
<b>DIAMETER:</b>	21.5cm (8.5")	
<b>DEPTH:</b>	33cm (13")	
<b>HEIGHT:</b>	25.4cm (10")	
<b>FREQUENCY RANGE:</b>	350 - 10 kHz. 500 - 6kHz +/- 5 dB.	
<b>DISPERSION PATTERN:</b>	120 degrees (-6 dB, 2000 Hz. Octave band)	
<b>POWER RATING:</b>	15 Watt (25 / 70.7V)	
<b>SOUND PRESSURE LEVEL:</b>	120dB 15W/1M Pk. 116dB 15W/1M Avg 500-6 kHz. 106dB 1W/1M Avg 500-6 kHz.	
<b>IMPEDANCE TAPS (OHM):</b>	5000 / 2500 / 1300 / 666 / 333 / 89 / 45	
<b>WATTAGE TAPS (WATTS):</b>	70v - 1/2/4/7.5/15 25v - 0.5/1/2/7.5/15	
<b>WEIGHT:</b>	3.2Kg (7 lb.)	
<b>MOUNTING CENTERS:</b>	3 Holes in center of U-Bracket	
<b>MOUNTING HOLES:</b>	3 x 9.5mm (3/8") holes (for 5/16" bolt or threaded rod) 1.5" apart	
<b>MATERIAL:</b>	Aluminum, baked grey epoxy finish	
<b>INSTALLATION SHEET NO.:</b>	I-SD-GAPX-0005-R-A	

### ARCHITECTS AND ENGINEERS SPECIFICATIONS

#### AEG GAPX Series

The paging horn shall be **AEG Model GAP-EX-15T**. The GAP-EX-15T horn is an all aluminum, epoxy paint coated, explosion proof, weather resistant commercial paging horn. This device is ruggedly built, and designed for locations where an explosive type atmosphere is present. The unit shall have an 21.5cm (8.5") round front opening. The depth of the paging horn shall not exceed 33cm (13"), and the maximum height shall be 25.4cm (10"). 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 350 - 10 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 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. The U-mounting bracket shall be fully adjustable for precise horn positioning, and shall have 3 mounting holes for surface or threaded rod mount conditions. The horn's dispersion shall be 120 deg. (-6 dB, 2000 hz octave band). Wiring and transformer tap selection shall be made via the wiring harness. The wiring harness is sealed to the horn via a weather tight strain relief type connector. The sound paging horn shall be **AEG Model GAP-EX-15T**.

#### 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.

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

#### Ordering information:

- Order Part Number GAP-EX-15T, equipped with a weather tight strain relief and 0.5 Meter rubberized multi-conductor wire.
- Product is packaged as each.

Specifications subject to change without notice

www.arnscott.com

sales@arnscott.com