



## STANDARD & HIGH-POWER SIREN LOUDSPEAKER ASSEMBLIES

**HP370 Series.** High-performance electronic siren loudspeakers provide penetrating tone signaling and high-intelligibility voice communications to enhance the functional and operational range of mobile and stationary emergency communication systems. All siren models include the world-recognized SD Series 11 Ohm compression driver with double re-entrant loudspeaker for use in ambulance and emergency vehicle applications, security alarm, protective communications, community warning and 2-way radio systems. Assemblies include the patented 100 Watt SD-370A compression driver (U.S. Patent 7,760,501) complete with a non-fatiguing, self-aligning sound chamber assembly. HP370 Series is available in choice of rectangular loudspeaker bell or specially designed housing for concealed and under hood installation. Product series suitable for use with matched amplifier and control equipment in systems requiring AMECA<sup>f</sup> (formerly AAMVA) Certification to General Services Admin. specifications (KKK-A-1822C).

| MODEL     | DESCRIPTION                    | POWER RATING | DISPERSION** | SOUND LEVEL PEAK (dBA) | FINISH                              |
|-----------|--------------------------------|--------------|--------------|------------------------|-------------------------------------|
| HPH3700GB | Housing for Concealed Mounting | 100W*        | 75°H x 105°V | 109***<br>116****      | Black Epoxy Housing<br>Black Driver |
| HPG-370GA | Rectangular Molded Bell        |              | 80°H x 105°V | 110***<br>116****      | Black Bell<br>Black Driver          |

\* 33V into 11 Ohm = 100 Watts  
 \*\* 2000 Hz octave band, -6dB points  
 \*\*\* measured 1W/1M  
 \*\*\*\* measured at rated power, 3 meters

## COMPRESSION DRIVERS FOR ELECTRONIC SIREN APPLICATION

**SD Series.** Recognized throughout the world as the quality and performance standard for electronic signaling, SD Series heavy-duty weatherproof compression drivers are recommended for application in stationary and mobile public address systems, emergency and law enforcement vehicles of all types. Driver is equipped with a 2 3/4" voice coil having a nominal impedance of 11 Ohm at rated power. Non-fatiguing phenolic diaphragm is a formed, self-aligning assembly capable of field replacement. SD-370A is a patented (U.S. Patent 7,760,501) 100 Watt driver designed for high-powered signaling applications. It features a non-fatiguing, self-aligning sound chamber assembly. Model SD-370A is a standard component of the popular HP370 Series siren loudspeaker assemblies and will accommodate any horn or reflex projector equipped with standard 1 1/8"-18 thread. SD-370A is finished in black baked epoxy. Product series is suitable for use with matched control equipment for siren systems requiring AMECA (formerly AAMVA) certification to General Services Admin. specification (KKK-A-1822C) or Article 8, Title 13 of the Cal. Admin. Code.

| SPECIFICATIONS |              |               |                           |                               |                             |
|----------------|--------------|---------------|---------------------------|-------------------------------|-----------------------------|
| MODEL          | POWER RATING | IMPEDANCE     | PLANE WAVE FREQ. RESPONSE | LOW FREQ. LIMIT @ FULL POWER  | SOUND LEVEL***              |
| SD-370A        | 100W**       | 11Ω (nominal) | 100-2,500 Hz (±5dB)       | 200 Hz<br>100-2,500 Hz (±5dB) | 117 (avg)<br>(118 x 102 mm) |

\* 25 Volts into 11 Ohm = 58 watts      \*\* 33 Volts into 11 Ohm = 100 Watts      \*\*\* Measured on a plane wave tube at 1mW

## REFLEX TIP ASSEMBLIES, BELLS, ADAPTERS & REPLACEMENT KITS

Atlas Sound offers the following genuine replacement parts to service and maintain the performance of siren loudspeakers.

<sup>f</sup> AMECA (Automotive Manufacturers Equipment Compliance Agency, Inc.)

| MODEL   | DESCRIPTION                                       | SIZE               | MOUNTS              |
|---------|---|--------------------|---------------------|
| EST-510 | Tip Assembly-Gray                                 | 3 1/4" L           | SD-70<br>SD-370A    |
| EST-527 | Tip Assembly-Gray                                 | 5 1/4" L           |                     |
| ESB-974 | Loudspeaker Bell-Gray                             | 5 1/2" Dia. x 3" D | SD-70<br>SD-40/370A |
| K-70GB  | Replacement Head Assembly                         | —                  |                     |
| K-370A* | Replacement Head Assembly                         | —                  |                     |
| YDA-TH  | Dual Driver Adapter 1 1/8"-18F, 1 1/8"-18M thread | —                  |                     |

\* Model K-370A requires Model K-CR spacer/clamp ring if previous spacer is missing on older (gray) SD-370 drivers. It is not required on SD-370A drivers.



HPH-370GB



HPG-370GA



SD-370A



EST-510



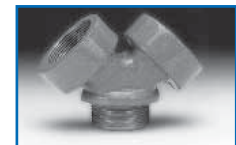
EST-527



K-70GB



K-370A



YDA-TH

SEVEN