

HA-100

IN-CAB STUTTER HORN AMP



The **HA-100 In-Cab Stutter Horn Amp** is the low-cost electronic air horn alternative for volunteer firefighter POV's, especially in states that restrict POV siren use. This professional grade, 100 watt amplifier is a loud and legal* enhancement to any POV light package, providing the traffic clearing attention needed to make it quickly and safely on scene.

The **HA-100** features the power of a simulated "stutter" air horn contained in a compact, easy-to-install, chassis. Designed for interior-mount (non-waterproof) applications, this versatile amplifier offers flexible installation options where mounting space is limited. This space-saving feature makes the **HA-100** ideal for any volunteer POV. It is also a cost-effective alternative for escorts, towing, recovery, DOT, or other service vehicles that are not equipped with compressed air horn systems.

- Rugged 100 watt electronic air horn amplifier
- ➔ **Compact for interior-mount installation on any vehicle**
- Legal* for POV use
- "Stutter" air horn sound allows you to RUN SMALL, SOUND BIG and ARRIVE SAFE!
- Easy operation using horn ring or separate switch (customer supplied)
- ➔ **High voltage protection**
- ➔ **Output indicator light for diagnostics**
- Economically priced

HA-150

UNDER HOOD STUTTER HORN AMP



If you work in a state or region that restricts POV siren use, then courtesy is really all you can rely on when responding to emergency calls. The **HA-150 Under Hood Stutter Horn Amp** gives courtesy a boost by providing a loud and legal*, all-weather, audible warning component to your POV light package.

This professional grade, 100 watt amplifier incorporates the power of a simulated "stutter" air horn with the reliable quality not found in other aftermarket horn products. Its compact, waterproof design offers flexible, easy installation options for any vehicle. And at roughly the size of a bar of soap, the **HA-150** is perfect for volunteer POV's, as well as, motorcycles, ATV's, and marine craft.

- Rugged 100 watt electronic air horn amplifier
- ➔ **Waterproof**
- ➔ **Ultra-compact for exterior-mount installation on any vehicle**
- Legal* for POV use
- "Stutter" air horn sound allows you to RUN SMALL, SOUND BIG and ARRIVE SAFE!
- Easy operation using horn ring or separate switch (customer supplied)
- ➔ **Power indicator light for diagnostics**
- Economically priced

Bundle with a Carson **SP-200 Switch Panel** and the **CSP-100B 100 watt speaker** to create a complete "horn system" featuring light control and horn tone selection

Wire harness accessories available. See the Accessories & Replacement Parts Catalog on the Carson website for more information.

*Legal in most states. Please consult your state/local vehicle codes to ensure compliance with vehicle horn regulations.

ELECTRONIC AIR HORNS

Specifications

HA-100-10 14

Speaker Load	Single 100W 11 ohm
Input Voltage	9 - 16 VDC (negative ground)
Input Current	8 Amps @ 14 VDC
Output Power	105W RMS Max. (15 VDC)
High Voltage Protection	16 - 18 VDC output ceases, resumes at normal level
Short Circuit Current	50 AMPS (supply circuit must supply for 1 sec.)
Operating Temperature	-15F to +140F
Controls	Vehicle horn ring or separate switch (customer supplied)
Connections	4 Pin removable terminal block: positive, negative, 2 speaker
Size	1 ^{13/16} " H x 4 ^{1/4} " W x 3 ^{5/8} " D
Weight	1 lb

HA-150-10 14

Speaker Load	Single 100W 11 ohm
Input Voltage	9 - 16 VDC (negative ground)
Input Current	8 Amps @ 14 VDC
Output Power	105W RMS Max. (15 VDC)
Short Circuit Current	50 AMPS (supply circuit must supply for 1 sec.)
Operating Temperature	-22F to +200F
Controls	Vehicle horn ring or separate switch (customer supplied)
Connections	4 wire leads: positive with in-line fuse, negative, 2 speaker
Size	1 ^{1/2} " H x 4 ^{1/8} " W x 2 ^{1/8} " D
Weight	1 lb

	<i>HA-100</i> <i>IN-CAB</i> <i>HORN AMP</i>	<i>HA-150</i> <i>UNDER HOOD</i> <i>HORN AMP</i>	Whelen PAH112	Powercall AH-6	SHO-ME 30.2108
"Stutter" Air Horn	Yes	Yes			
Waterproof		Yes			
Output Indicator Light	Yes				
Power Indicator Light		Yes			
Horn Ring Functionality	Yes	Yes	Yes	Yes	Yes
Remote Switch Capability	Yes	Yes	Yes	Yes	Yes
High Voltage Protection	Yes				Yes
Size (in cubic inches*)	28 cu. in.	14 cu. in.	99 cu. in.	45 cu. in.	88 cu. in.
5-Year or Greater Warranty	Yes	Yes			

*Cubic Inches = H x W x D. The cubic inch sizes for the models listed above (based on published specifications) equal the amount of vehicle space required for each model.

WARNING Sound Hazard - Sound level from horn speaker (>120dBA @ 10 feet) may cause hearing damage. Do not operate unit without adequate hearing protection for you and anyone in immediate vicinity. (Ref. OSHA 1910.95 for occupational noise exposure guidelines)

