IHVP-CK

IP Compliant Vandal Proof Horn Loudspeaker for Use With AtlasSound ControlKom®2.0 or Syn-Apps SA Announce Software

IHVP-CK
(Shown with SEST-IH Enclosure)

Features

- Use with ControlKom® 2.0 Software to Send Live, Prerecorded or Ad Hoc Messages Along with Control Data to Atlas Sound IP Speaker and Zone Controller End Points Over New or Existing Multicast Enabled Local Area Networks.
- Highly Efficient APF Horn Loudspeaker System Provides 104dB Average SPL @ 1W/1M and is Capable of 113dB @ 1 Meter Via the Rated Power of the Internal IP Addressable Amplifier.
- 95° Dispersion in the 2kHz Octave Band (-6dB)
- Frequency Response of 700Hz – 5.5kHz (±5dB) is Perfect for High Intelligibility Speech and General Messaging Playback.
- UL60950-1 listed
- Canadian UL60950-1 listed

General Description

Model IHVP-CK from Atlas Sound consists of a factory assembled horn loudspeaker, baffle with PCB amplifier / control board securely mounted to the rear of the baffle via concealed weld studs.

The amplifier / control board is capable of producing 9 Watts RMS into the 8Ω loudspeaker with power provided by IEEE 802.3af compliant POE switches (local 12VDC – 18VDC PSUs may also be used instead of POE switches). Interconnection is via a board mounted female RJ-45 connector.

The industry standard APF-15 loudspeaker used in the IHVP-CK is a highly efficient 15 Watt compression driver with a proven record of outstanding service and reliability. A double re-entrant design provides superior audibility of voice and tone signaling.

The vandal resistant, cast aluminum alloy baffle provides security and durability in commercial applications. A perforated 22-gauge stainless steel metal screen is provided over the loudspeaker to maximize protection and performance by allowing the optimum percentage of open area forward of the loudspeaker.

The baffle is finished in neutral white electrostatic powder coat and is packaged with all necessary vandal resistant mounting screws.

Loudspeaker Specifications

Power Handling	15 Watts Continuous
Sensitivity	120dB / 15 Watts (peak)
	114dB / 15 Watts @ M (avg) 700Hz – 5.5kHz
	104dB 1W/1M (avg) 700Hz – 5.5kHz
Frequency Response	600Hz – 14kHz (nominal)
	700Hz – 5.5kHz (±5dB)
Dispersion	95° (-6dB, 2kHz Octave Band)
Diameter	5⅝"
Depth	3⁷⁄₁₆"
Flange Diameter	6¹⁵⁄₁₆"
Mounting	4 Holes to Weld Studs on Baffle (Factory Assembled)
Finish	Grey Baked Epoxy

Baffle Specifications

Baffle Material	Cast Aluminum
Speaker Grille Material	22-gauge Perforated Stainless Steel
Height / Width	10¾" (273mm) Square
Depth	1" (25mm)
Color	White

Amplifier / Control Specifications

Power Rating	9 Watts RMS into an 8Ω Load
Input	RJ-45 Female on PCB Accessible From Rear of Baffle
Outputs	2 Wire Main ± Terminated to Loudspeaker
Power Source	IEEE 802.3af Compliant POE Network Switches or Local 12VDC – 18VDC PSU
Dimensions	4¼" (108mm) x 7¼" (184mm)
Mounting	Custom Designed Bracket w/ 2 Self Tapping Screws (Factory Assembled)
Network Control	Multicast Enabled Networks

Atlas Sound

Applications

The perfect choice for education, military / government, and large-scale corporate applications, the ControlKom® 2.0 Broadcasting Solution revolutionizes communication, clock / bell, and message playback functionality. It provides the capability to simultaneously send a multicast audio stream and text messages to any combination of IP phones, Atlas Sound IP speakers, and PCs. With the push of a single button on the phone or a single click from a PC, a user can send a live, recorded, or scheduled broadcast to one or more paging groups. With IP compliant loudspeaker products from Atlas Sound, system designers and integrators will have the ability to deploy extremely large scale and complex paging systems over new or existing networks with the convenience of centralized administration by IT personnel.

Extreme cost savings can also be realized from the elimination of separate "stand alone" paging systems when ControlKom® 2.0 is utilized in education applications in conjunction with Atlas Sound speaker systems.

Available Optional Enclosures:

ENCLOSURE IS NOT INCLUDED.

SEST-IH   Surface mount, straight enclosure for IHVP-CK, stainless steel construction, neutral white finish

FEST-IH   Flush mount straight enclosure for IHVP-CK, stainless steel construction, no finish

Architect & Engineer Specifications

Unit shall be Atlas Sound Model IHVP-CK. The loudspeaker system shall include factory assembled horn loudspeaker, IP addressable PCB amplifier/control and cast aluminum alloy baffle. Unit shall be UL60950-1 listed. Loudspeaker shall be Atlas Sound Model APF-15. Unit shall be double re-entrant type with compression driver mounted within vandal-resistant housing. Audio power capability shall be 15 Watts continuous. Frequency response shall be 600Hz – 14kHz (nominal), 700Hz – 5.5kHz (±5dB). Sound pressure level shall be 104dB (1W/1M). Sound dispersion angle shall be 95°. Loudspeaker mounting shall be made via eight ³⁄₁₆" (4.76mm) evenly spaced holes.

Model APF-15 dimension shall be 5⅝" (143mm) diameter x 3⁷⁄₁₆" (87mm) deep with a 6¹⁵⁄₁₆" (176mm) diameter flange. Finish shall be grey baked epoxy. The IP addressable PCB amplifier / control shall be mounted to the rear of the loudspeaker baffle via concealed weld studs. The amplifier / control PCB shall be capable of producing 9 Watts RMS with power provided either locally or via IEEE 802.3af compliant POE switches. Interconnect shall be via female RJ-45 connector mounted to the PCB. All control functionality of the PCB amplifier shall be determined via software. The metal loudspeaker baffle overall dimensions shall be 10.75" (273mm) wide by 10.75" (273mm) tall. Construction shall be cast from self-aging aluminum alloy with a tensile strength of 44,000 P.S.I. Assembly shall include provisions to mount the re-entrant horn. 22-gauge perforated stainless screen shall be attached using 4 self tapping screws. over the loudspeaker cut-out. Flush-mounting tamperproof heat-treated alloy screws and a special wrench shall be furnished. Baffle finish shall be textured white epoxy. Optional enclosures shall include white stainless steel surface mount model SEST-IH and flush mount model FEST-IH (unfinished.)

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