



M1000-USA

Sound Masking Loudspeaker Assemblies

General Description

The M1000-USA is assembled in Atlas Sound's Ennis, Texas manufacturing facility to meet Buy American Act requirements.

With a majority of America's workplaces adopting an open office plan, favoring a labyrinth of cubicles over traditional closed offices, conversational privacy has become an increasingly sensitive issue. Additionally, HIPAA (Health Insurance Portability and Accountability Act) of 1996 guidelines require covered entities (doctors, clinics, psychologists, dentists, chiropractors, nursing homes, and pharmacies) to "put in place safeguards to protect personal health information." These safeguards should include speech privacy measures if confidential information is in danger of being overheard by unauthorized persons.

Used in a properly designed system, in conjunction with Atlas Sound masking generators and amplification, the M1000-USA masking speaker assembly will accurately reproduce the needed spectrum of masking sound into the plenum or open space installations. Please note that trained personnel should perform equalization and final level adjustments for any masking system using calibrated, industry accepted audio analysis hardware and/or software. To ensure successful masking deployments, Atlas Sound offers a variety of design and commissioning tools for our authorized dealers ranging from simple speaker layout assistance to comprehensive on site system commissioning.

The M1000-USA is designed to meet today's stringent requirements for engineer/consultant specified as well as design-build masking systems. To ensure ample low frequency response, an innovative 734 cubic inch square enclosure houses a specially designed 8" dual cone loudspeaker and high efficiency 70.7V transformer.

For precise level adjustments during system tuning, an external selector switch provides a wide selection of wattage taps ranging from .25 watts to 4 watts plus an "Off" position.

The exclusive Atlas Sound EZ hang brackets simplify speaker installation. This innovative suspension system utilizes two collapsible hangers configured to allow quick upward, downward, or horizontal firing orientation. The hangers are factory-installed on the unit and fold flat for shipping. Typically the M1000-USA is installed with contractor provided solid suspension wire (the same type used for ceiling grid suspension) however, an optional 72" hanging chain with (2) "S" hooks - model MCHAIN72 is also available for installations that may require the speaker to be suspended from existing structure above the ceiling grid.

To meet most local code requirements, the M1000-USA includes an innovative termination cover containing both knockouts and a strain relief. This system will allow the use of rigid or flexible conduit (if required) and easily accommodates "through" connections on the removable plate.



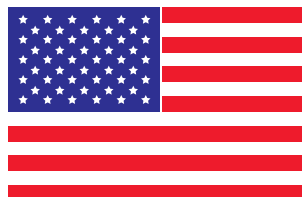
M1000-USA

Features

- Certified by ETL and meets UL1480 & UL2043 standards for use in air handling (plenum ceilings)
- Pre-assembled unit includes 8" diameter loudspeaker, transformer, enclosure, baffle, and mounting hardware
- Labor-saving hardware package – complete with new snap hanger assembly, allows quick and easy installation
- Innovative input panel includes combination knock-out and strain relief connector to accommodate flexible or rigid conduit
- Design enables upward, downward, or horizontal orientation
- 734in³ enclosure for extended low frequency response
- Suitable for use above suspended ceiling systems or in open ceiling spaces
- Optional hanging chain model MCHAIN72 (72" long with x2 "S" hooks) also available

Technical Specifications

Loudspeaker	8" Dual Cone
Magnet Weight	10 oz (260 g)
Transformer Taps	.25, .5, 1, 2, & 4 Watts, plus "Off"
Sound Dispersion	Upward, Downward, or Horizontal
Enclosure Volume	734 in ³ (12,075.1 cm ³)
Height	5½" (139.7mm)
Length	11⅞" (294mm)
Width	11⅞" (294mm)
Weight	9 lbs (3.4kg)



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Architect & Engineer Specifications

Sound masking assembly shall be Atlas Sound model M1000-USA.

The model M1000-USA speaker system shall meet Buy America Act standards by being assembled, tested, packaged, and shipped from the Atlas Sound facility in Ennis, Texas, USA. Unit shall contain Atlas Sound 8" diameter loudspeaker equipped with a 70.7V transformer, an enclosure, baffle, and related mounting hardware. It shall be factory assembled, wired, and ready for installation. Model M1000-USA shall include external tap selector switch with an Off position and .25, .5, 1, 2, & 4 watts power taps clearly identified. Suitable strain relief shall be installed to protect hook-up leads and accommodate conduit installations. Provisions on input panel also included to facilitate up to ¾" conduit. The CRS enclosure shall measure 11⁹/₁₆" (243mm) L x 11⁹/₁₆" (243mm) W x 5½" (140mm) H and have a volume of 734in³ (12,075.1cm³). It shall include fiberglass material to further dampen the enclosure. Baffle shall be a sturdy steel one-piece CRS grille measuring 11⁹/₁₆" (243mm) L x 11⁹/₁₆" (243mm) W. Grille shall have a perforated loudspeaker opening. Baffle and enclosure shall be finished in textured black epoxy. Assembly shall include a dual suspension hanger system which fastens via holes provided on the enclosure. Hangers shall be adjustable for (upward, downward or horizontal) _____ orientation.

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