COMPRESSION DRIVERS FOR ELECTRONIC SIREN LOUDSPEAKERS

SD-70
SD-370A

SD-70

SD-370A

FEATURES

- Choice of 58 or 100 Watt Power Handling for High Intelligibility and Sound Penetration
- Heavy-Duty Weatherproof Construction
- Specifically-Designed for Electronic Siren and Signaling applications
- Accommodates Most Horns and Reflex Horns with Standard 1⅜" – 18 Thread Pattern

APPLICATIONS

Depend on SD Series compression drivers for electronic siren and signaling needs on emergency and law enforcement vehicles, as well as for use in stationary and mobile public address systems. Models SD-70 and the patented SD-370A (U.S. Patent #7,760,501) provide maximum power conversion with low-amplifier output to fulfill high-intelligibility and sound-penetration requirements. Model SD-70, rated at 58 Watts RMS, is recommended for medium-power systems such as commercial and industrial warning systems. Model SD-370A, rated at 100 Watts RMS, is recommended for high-power systems in public safety, civil authority, military, or emergency medical applications. Either unit can be used with most horns or reflex horns equipped with the industry standard 1⅜" – 18 thread pattern.

GENERAL DESCRIPTION

SD Series 58 and 100 Watt compression drivers are standard components of the Atlas Sound electronic siren loudspeaker assemblies. Weatherproof units are ideal for use in police, fire, ambulance, and utility vehicles. Model SD-70 is recommended for medium-powered systems; SD-370A for high-powered systems. Drivers are equipped with a non-fatiguing, self-aligning sound chamber assembly containing a 2¾" phenolic diaphragm with a nominal impedance of 11 Ohms. Replacement head assembly, Model K-70GB is available for field replacement of Model SD-70; Model K-370A for SD-370A. Product series is suitable for use with matched amplifier and control equipment in systems requiring AMECA (Automotive Manufacturer Equipment Compliance Agency, Inc.) certification to General Services Administration specifications (KKK-A-1822C). The SD-370A is constructed using an ALNICO magnet.

SEVEN

SPECIFICATIONS

MODEL	POWER RATING	IMPEDANCE	PLANE WAVE FREQ. RESPONSE	LOW FREQ. LIMIT @ FULL POWER	SOUND LEVEL***	DIMENSIONS	WEIGHT
SD-70	58 Watts*	11 Ohms (nominal)	100 - 2,900Hz (±5dB)	200Hz 80-2,900Hz (±5dB)	115.8 (avg) (111 x 90mm)	4⅜" Dia. x 3 9/16" H	5 lbs. (2.3kg)
SD-370A	100 Watts**	11 Ohms (nominal)	100 - 2,500Hz (±5dB)	200Hz 100-2,500Hz (±5dB)	117 (avg) (118 x 102mm)	4⅝" Dia. x 3 1/16" H	7.7 lbs. 3.5kg)

* 25V into 11 Ohms = 58 Watts ** 33V into 11 Ohms = 100 Watts *** Measured on a plane wave tube at 1mW

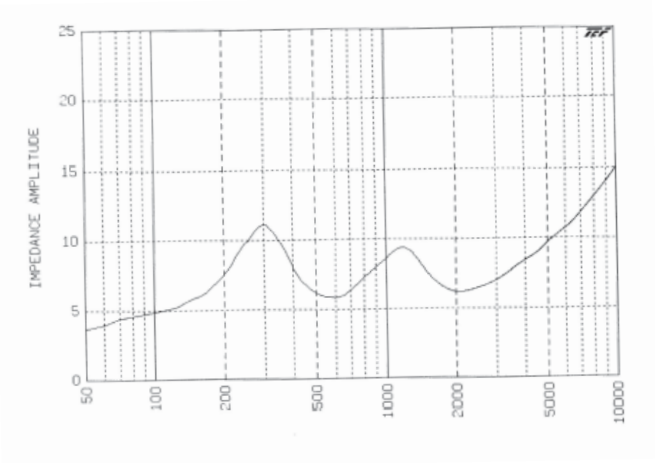
Specifications subject to change without notice

Atlas Sound
1601 JACK MCKAY BLVD. / ENNIS, TEXAS 75119 U.S.A.
TELEPHONE: (800) 876-3333 / FAX (800) 765-3435
AtlasSound.com

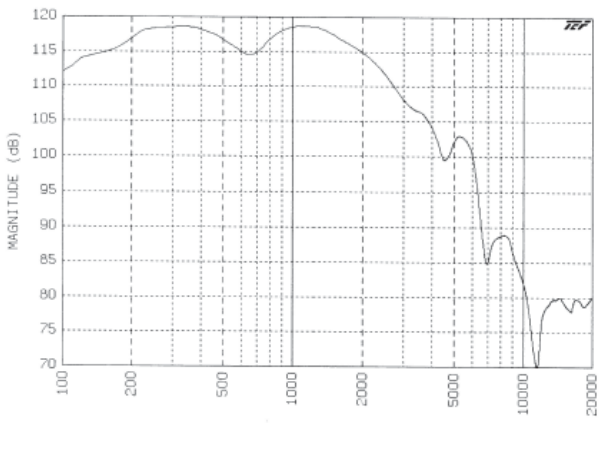
Printed in U.S.A. ATS002453 RevA 8/06 SL7-1546

ARCHITECT & ENGINEER SPECIFICATIONS

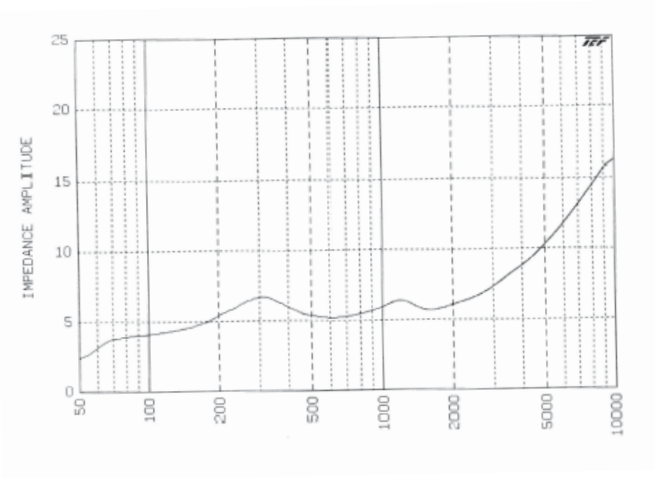
Siren loudspeaker shall be Atlas Sound Model (SD-70, SD-370A) or approved equal. Assembly shall have a full-range power capacity of _____ Watts RMS. Rated frequency response range shall be ____ _____ Hz ±5dB when measured on a plane wave tube at 1 mW. Unit shall have a sound pressure output of _____dB at rated power when measured on a plane wave tube at 1 mW. Driver shall be capable of standard indoor/outdoor use and be fully-weather resistant. Units shall terminate in the industry standard 1⅜" – 18 thread pattern. Diaphragm material shall be high-temperature molded phenolic.



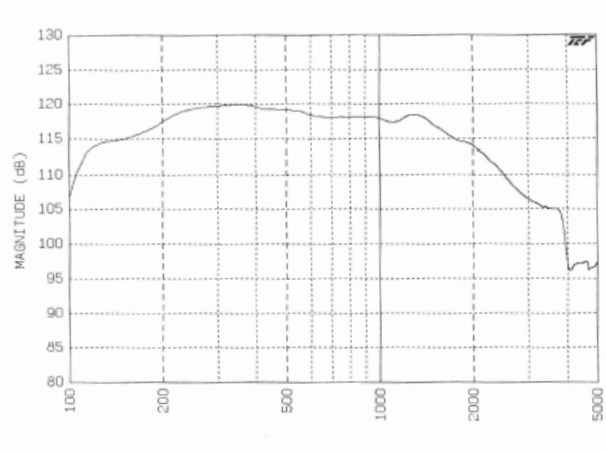
SD-70 Impedance



SD-70 Plane Wave Tube Response



SD-370A Impedance



SD-370A Plane Wave Tube Response

NOTE: Plane wave tube measurements provide resistive loads to test drivers. Actual frequency response of a driver / horn combination will vary depending on the horn used with the driver. Consult individual horn specification sheet for typical horn frequency response.

Specifications subject to change without notice

Atlas Sound®
1601 JACK MCKAY BLVD. / ENNIS, TEXAS 75119 U.S.A.
TELEPHONE: (800) 876-3333 / FAX (800) 765-3435
AtlasSound.com

 Printed in U.S.A. ATS002453 RevA 8/06 SL7-1546