



FA136 Series

Strategy Series™ 6" Full-Range System Loudspeakers



FA136

General Description

Model FA136 (U.S. Patent #5206464) is a high-fidelity, coaxial, 6" loudspeaker that delivers 50 Watts with full frequency response and wide dispersion. UL listed assemblies are manufactured with high-quality materials including a Kevlar®, fiber-reinforced, polypropylene woofer, and a Norsorex synthetic rubber surround for high-definition bass, structural integrity, effective damping and weather-resistance. Each unit includes a post-mounted dome tweeter with a mylar diaphragm and ferrofluid-cooled voice coil for smooth response and excellent power handling capability.

Model FA136 has been engineered as a system with a high performance matched enclosure, choice of transformers and attractive grilles. Strategy Series high performance enclosure Model FA97-6 is a deep backbox with a volume of (.17 ft³) complete with acoustic batting. The enclosure front-loads the loudspeaker, is offered with and without knockouts (NK) and installs quickly and easily into the ceiling using only a screwdriver to adjust the rotating clamps, or to tighten conventional screws. For limited depth installations, mounting ring Model FAPR-6 and low profile enclosure model FA95-6 are offered. Grilles are equipped with three serrated studs for hardware-free, push-on installation.

Specifications

Size	LF: 6" (152mm), HF: ½" (12mm)
*Power Handling	35 Watts RMS
*Sensitivity	88dB Average
Impedance	8Ω, Nominal
*Frequency Response	80Hz-20kHz (±5dB)
*Dispersion	130° (2kHz Octave Band, -6dB Points)
Diameter	6⅞" (167mm)
Depth	¾" (83mm)
Mounting Dimensions	6⅞" (156mm) Bolt Circle
Weight	2.7 lbs. (1212g)

(*Measured in FA97-6 Enclosure)

Features

- Patented, Easy-to-Install Loudspeaker Mounting System
- Achieves Fidelity Similar to an 8" (203mm) System with Wider Dispersion
- Uses Advanced Materials to Deliver 50 Watts with Full Bass and Crisp Highs
- Front Loads into Specially Designed, Acoustically Matched Enclosure
- Offers Choice of System UL Listed Components Including: Transformers, Acoustic Enclosure, a Tile Bridge, Plaster Ring and Hardware-Free Grilles

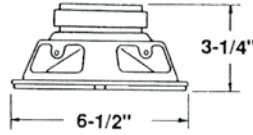
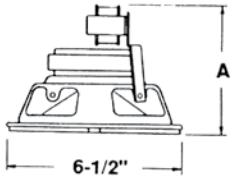
Applications

Specify and install Strategy Series 6" loudspeakers to deliver full-range performance similar to an 8" unit. Model FA136 is particularly suited to high-fidelity installations where music and intelligible speech are relied upon to establish mood or disseminate information. Typical installations include hotels, casinos, restaurants, boutiques, health clubs, lobbies, convention centers, professional offices, meeting, and board rooms.

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Depth With Transformers

	A
FA136T	5 1/2" (130mm)
FA136T47	5 1/2" (130mm)
FA136T87	5 1/2" (133mm)



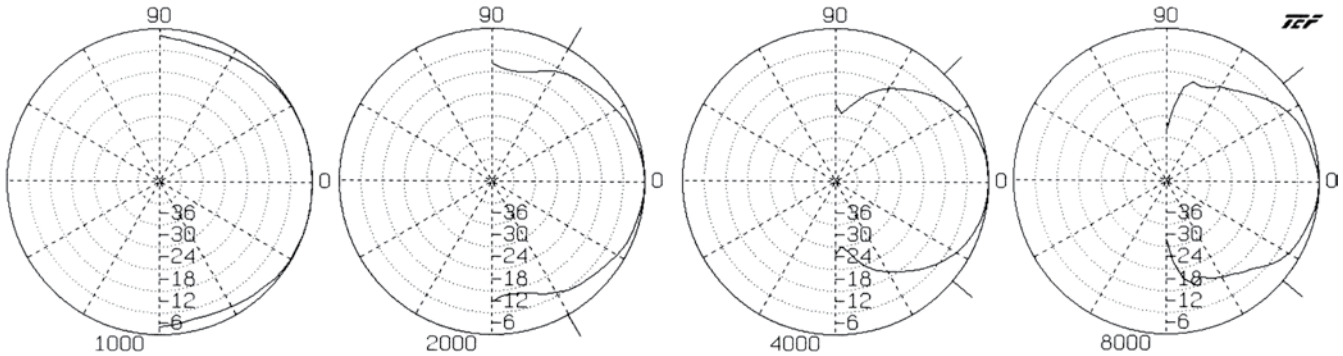
Architect and Engineer Specifications

Loudspeaker system shall be Atlas Sound Strategy Series™. System shall be UL listed and include a high-performance, 6" coaxial loudspeaker Model FA136, acoustically matched enclosure Model _____ (FA97-6, FA97-6NK) and flush grille Model _____ (FA51-6, FA170-6, FA720-6, FA730-6). Strategy Series loudspeaker, enclosures and grilles shall be listed by Underwriters Laboratories (UL 1480 General Signaling) to U.S. and Canadian safety standards. Nominal frequency response of the system shall be 80Hz - 20kHz and the sensitivity shall be 91dB (peak) and 88dB (average) measured at 1W/1M across the full bandwidth. Power rating shall be 35 watts RMS. Unit shall be comprised of a 6" diameter low frequency driver constructed of fiber-reinforced polypropylene and synthetic rubber surround. High-frequency driver shall be a post-mounted ferrofluid device with mylar diaphragm. Magnet shall be a minimum of 14 oz. (398g) and the voice coil diameter shall be 1" (25mm). Dispersion shall be 130°. Transformer equipped models shall include factory wired _____ (70.7V or 100V) volt transformer with primary taps of _____ (.5, 1, 2, 4 or 1, 2, 4, 8). Loudspeaker shall front-load specified FA97-6(NK) or optional FA175-6 enclosure or Model FAPR-6 plaster ring or quick-fit frame/grille Model FA-6G. Enclosures shall use _____ (toggle clamps, conventional screws) for ceiling installation and stud receivers for grille mounting. Other optional accessories include: _____ (FA-81-6 tile bridge, FA-TR6 trim ring, FAMT-6 adapter for 8" grilles). The FA97 enclosure models shall be lined with high density acoustic batting.

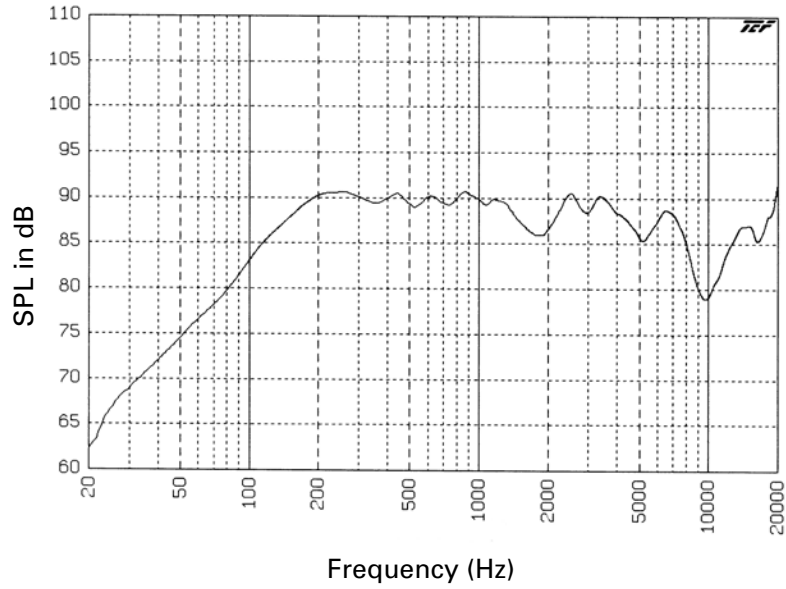
Model	Includes Xfmr			Mounts Enclosure	Mounts Grille	Optional Accessories
	Model	Volts	Primary Taps			
★ FA136	-	-	-	FA97-6(NK) FA95-6	FA51-6 (9 1/2" Dia. Round) FA170-6 (10 1/2" Square) FA720-6 (9 1/2" Dia. Round)	FA81-6 (Tile Bridge) FA-TR6 (Trim Ring) FAPR-6 (Mounting Ring)
★ FA136T47	HT-47	70.7V	.5, 1, 2, & 4 Watts			
★ FA136T87	HT-87	70.7V	1, 2, 4, & 8 Watts			

★ General signaling (1480 non-fire) includes all speaker/transformer combinations (except HT-82) when used with an Atlas Sound UL listed enclosure and baffle.

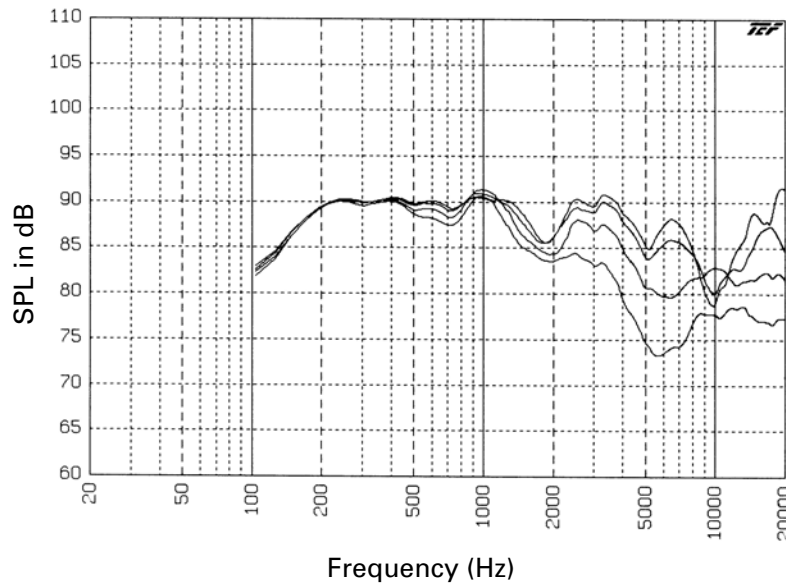
FA136 Polars (Normalized to Zero on Axis) (-6dB)



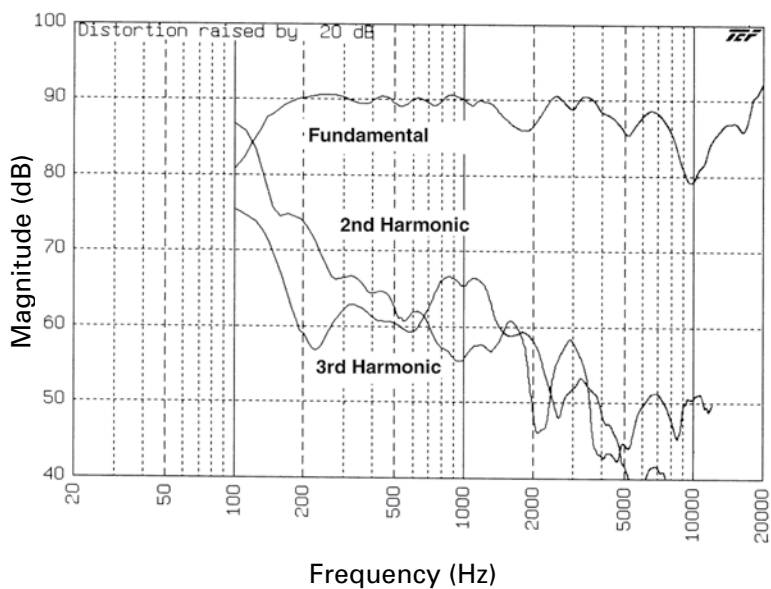
FA136 Frequency Response



FA136 Frequency Overlay Response



FA136 Harmonic Distortion



FA136 Impedance

