



FAP6260T

Strategy Series® III In-Ceiling 6" 60° Coaxial Speaker System



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Applications

The FAP6260T combines superior coaxial loudspeaker performance with even dispersion and easy installation. A low profile enclosure and 60° coverage make the FAP6260T a perfect choice for high ceilings. The FAP6260T will satisfy the needs of owners, architects, contractors, and consultants by delivering true, high fidelity sound reproduction in an attractive and easy-to-install system. The FAP6260T is ideal for high-intelligibility voice, music, and signal reproduction in commercial, industrial, and institutional applications.

General Description

The loudspeaker component matches the performance of the legendary Atlas Sound FA136 driver. This high-quality construction 6" coaxial cone type driver includes a 1" voice coil and composite cone with a butyl rubber surround. The silk dome tweeter is 20mm and utilizes 2 Neodymium magnets. A high sensitivity of 92dB average means less power may be required to achieve the desired SPL. This loudspeaker is factory assembled in an optimally tuned and ported deep drawn enclosure and includes a specially designed 60 watt low saturation 70.7V / 100V transformer. A convenient front mounted selector switch allows tap selection without the need to remove the speaker from the ceiling. This switch also includes a transformer bypass setting for 8Ω direct coupled operation.

Specifications

Power Rating	60 Watts
Transformer Taps	70.7V Taps : 3.8, 7.5, 15, 30, & 60 Watts & 8Ω Bypass
	100V Taps : 7.5, 15, 30, 60 Watts, & 8Ω Bypass
Frequency Response	63Hz – 20kHz (±7dB)
Sensitivity (1W/1M)	92dB
Dispersion	60°
Woofer	6" Composite Cone w/ Butyl Rubber Surround
Woofer Magnet Weight	20 oz (398g)
Enclosure Volume	365 in ³
HF Driver	20mm Coaxial Horn-Loaded Silk Dome Tweeter
Diameter	10.972" (279mm)
Overall Height	8.08" (205mm)
Cut-out Dimensions	9.567" (243mm)

Features

- Easy Installation in Drop Tile or Sheetrock Ceilings Via C-Ring / V-Rail Tile Bridge and "Dog Leg" Mounting System (Included)
- Front Mounted Tap Selector Switch for Easy System Tuning
Adjustments Include Transformer Bypass Setting for 8Ω Direct Coupled Operation
- Unique Input Section Allows for Conduit Runs with Flex Conduit
- 4 Pole Detachable "Phoenix" Style Connector Allows Easy Pre-Wiring and Is Convenient for Daisy Chaining Additional Strategy Series Full Range Speakers or Subwoofers
- Low Profile, Magnetically Attaching Grille with Seismic Security Tabs
- Enhanced Quality 70.7V / 100V Internal Transformers Minimize Insertion Loss and Maintain Low Frequency Response While Providing Increased Output for Higher SPL Applications
- Safety Listed to UL 1480

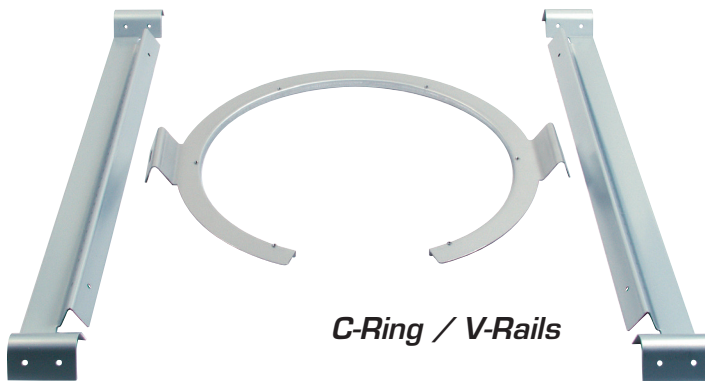
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Mounting Accessories

Mounting is simplified with Strategy Series® style "Dog Leg" tabs that allow easy installation into drop tile or drywall ceilings with provided tile bridge assembly. The tile bridge consists of two "V" shaped formed mounting rails and a C-Ring assembly. The C-Ring can be attached to the rails with the screws provided to extend support to the T-bar grid in suspended ceiling applications. Multiple hole locations are provided to allow the C-Ring to be positioned to the outer edge of the tile if necessary.

For existing dry-wall applications the tile bridge C-Ring and support rails can be inserted into the hole cut for the FAP6260T. For easy positioning the "V" shaped support rails match the shape of the C-Ring tabs for easy maneuvering and location when working "blindly" above the deck. A uniquely designed "easy access" input panel on the back of the enclosure allows for conduit runs. Below this cover resides a detachable Phoenix / Euro style locking four-pole connector, which provides for easy daisy chain wiring to other full range 70.7V / 100V loudspeakers or Atlas Sound FAPSUB-1 subwoofers. The package includes a low profile magnetically attaching grille with seismic security tabs, which nicely matches contemporary architecture.

A support ring is also provided on the top of the FAP6260T enclosure to facilitate an auxiliary support cable. It is recommended that this secondary support be utilized in drop ceilings for safety and seismic considerations.



Architect & Engineer Specifications

The loudspeaker system shall be Atlas Sound FAP6260T. System shall include a high performance 6" coaxial loudspeaker, ported bass reflex enclosure and press-fit grille for conventional ceiling installation.

Frequency response for the system shall be 63Hz – 20kHz (± 7 dB). Sensitivity shall be 92dB average.

Loudspeaker shall be comprised of a 6" coaxial cone type driver. Cone shall be constructed of composite cone with a butyl rubber surround. The tweeter is a 20mm Coaxial Horn-Loaded Silk dome. Magnet shall be a minimum of 20 oz (567 g) and the voice coil diameter shall be 1" (25 mm).

Transformer shall be a 70.7V / 100V type with 3.8, 7.5, 15, 30, and 60 watt primary taps (@70.7V) with a front mounted tap selector switch to include transformer bypass setting for 8 Ω direct coupled operation.

Enclosure shall be a deep drawn steel enclosure design. Internal volume shall be 365 in³. To facilitate connection in conduit systems, enclosure shall be equipped with an access panel covering a recessed terminal cup. This cover shall provide a top access compression fitting / strain relief to facilitate flexible conduit up to 22mm outside diameter or 1" (25mm inside diameter) conduit when the compression fitting is removed.

External wiring shall be accomplished via a removable wiring connector with screw-down terminals to provide both secure wire termination and pre-wiring capability before loudspeaker installation. The 4 pole connector shall facilitate in/out connections and shall be located in the recessed area behind the conduit access panel.

Seismic support eye shall be provided on top of enclosure for additional suspension point when used in drop tile ceilings. Construction of enclosure shall be a minimum of 18-gauge deep drawn galvanized metal.

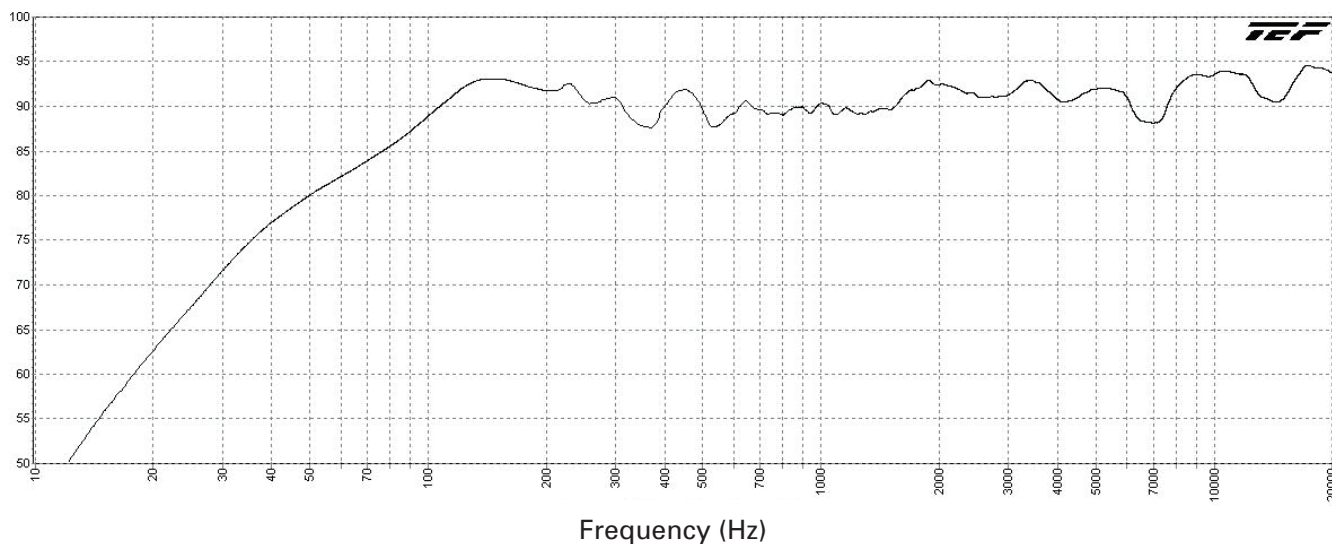
The system shall include a support backing plate to reinforce the ceiling material and tile support rails for use on either 2' x 4' (609mm x 1219mm) or 2' x 2' (609mm x 609mm) suspended ceiling tiles. This assembly can all be installed from beneath the ceiling tile.

Overall front face diameter shall not exceed 11" (279mm); overall depth from the bottom of the ceiling shall not exceed 7.83" (199mm).

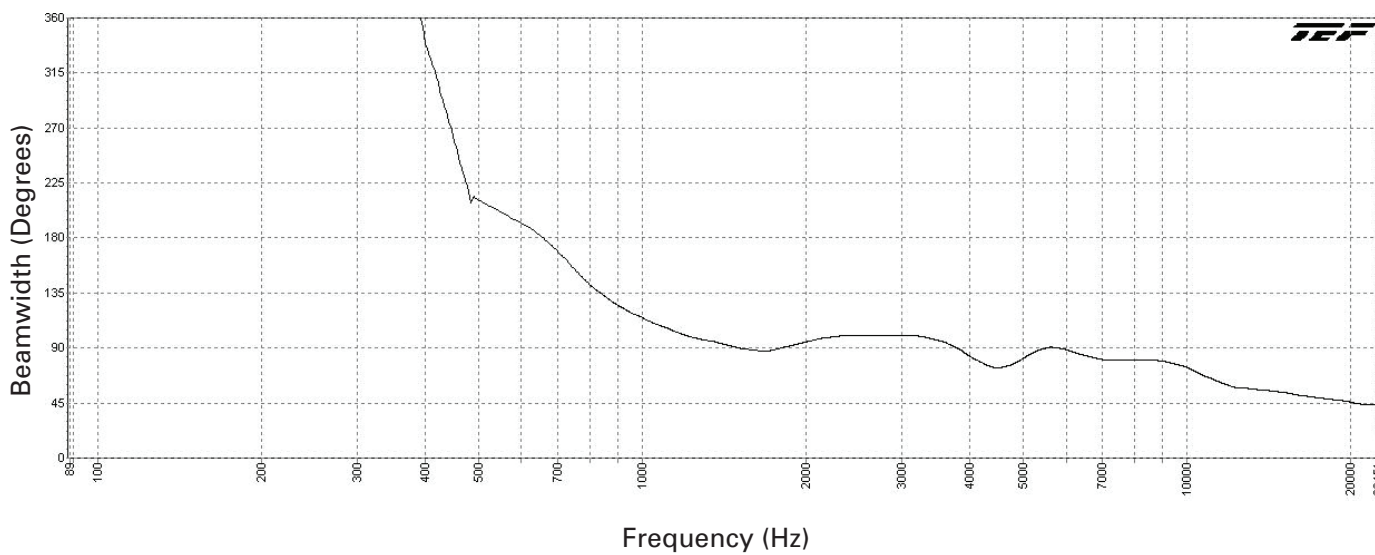
Grilles shall be magnetically attaching, with seismic security tabs, manufactured from 24-gauge perforated steel mesh and finished in white epoxy. Round grill shall be 10.972" (279mm) diameter.

The loudspeaker shall be the Atlas Sound FAP6260T.

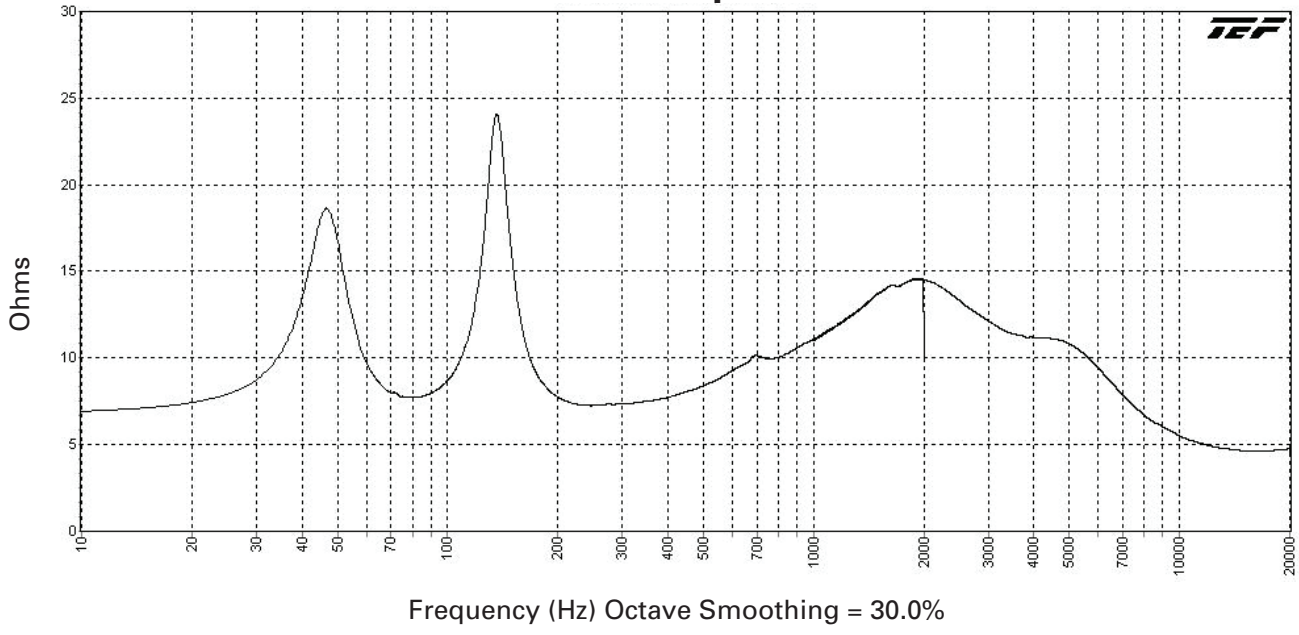
FAP6260T Frequency Response



FAP6260T Beamwidth (-6 dB)



FAP6260T Impedance



FAP6260T Polars (Normalized to Zero on Axis) (-6dB)

