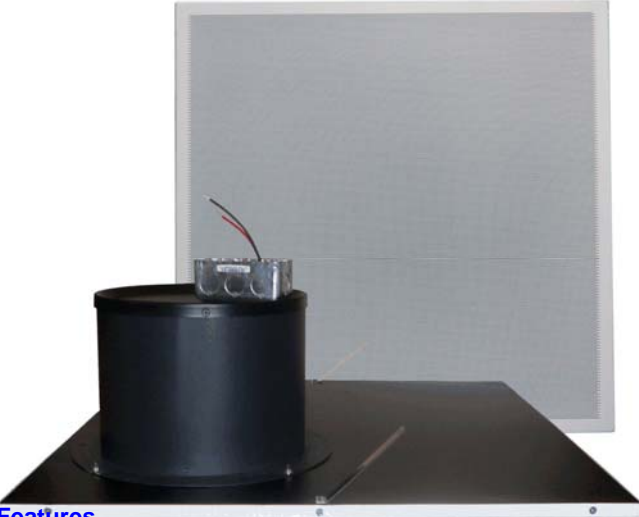




AMK Commercial Series

# SQ 602

2x2 Ceiling Lay in speaker system



### Features

- \* Systems install quickly into suspended tile ceilings and are supported by the T-bar grid.
- \* Systems include a wired speaker, transformer, grille, 7" deep enclosure backbox
- \* Fine perforated grilles blend with ceiling tiles and provide excellent acoustic transparency.
- \* Choices in direct impedance or 70volt system.

**AMK SQ 602** speaker provide quality performance, unobtrusive appearance, and easy installation in suspended ceiling applications. Systems include a choice of factory wired driver mounted to a fine perforated grille 2' x 2' with wired transformer and factory mounted 7" deep protective backbox. They are shipped ready to install and require no speaker cut-outs in the tile or time consuming assembly.

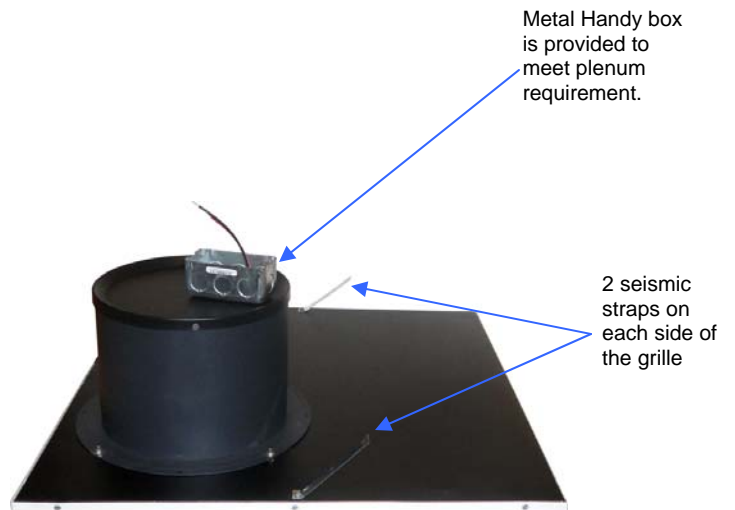
2' x 2' Systems are designed to replace a standard 2' x 2' tile and are supported by the T-bar grid. Assemblies include a factory wired speaker/transformer mounted to a 2' x 2' subplate with a fine-perforated grille and mounted BC8-4-style protective backbox. The backbox is offset to one side of the 2' x 2' grille allowing it to be rotated in the ceiling to install around plenum obstructions. For fast connection, speaker leads exit through a metal clamp.

System Drivers include AMK's 6.5" coaxial Model **CX602** coaxial speaker drivers. Each is designed and manufactured to assure consistent performance with clear intelligibility and wide dispersion. Assemblies include a factory wired 70V transformer. Detailed performance data is outlined on each component's specification sheet.

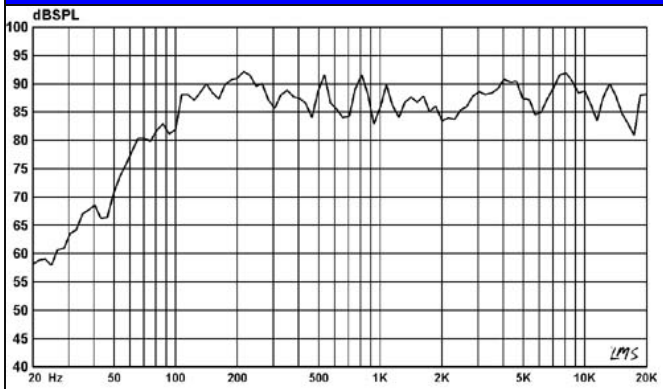
Architectural Grilles feature a fine perforated pattern for a clean unobtrusive appearance. Grilles are engineered to provide maximum free-air space for excellent speaker sound transmission while achieving virtually invisible presentation of the speaker in new or exiting tile ceilings. 2' x 2' grilles simply replace a 2' x 2' tile. All are formed from perforated steel and finished in white powder epoxy for long lasting appearance.

Model	Driver	Transformer (Taps)
<b>SQ602</b>	<b>CX 602</b>	NONE
<b>SQ602T70V15W</b>	<b>CX 602</b>	T70V15W (15W, 10W, 5W, 2.5W)

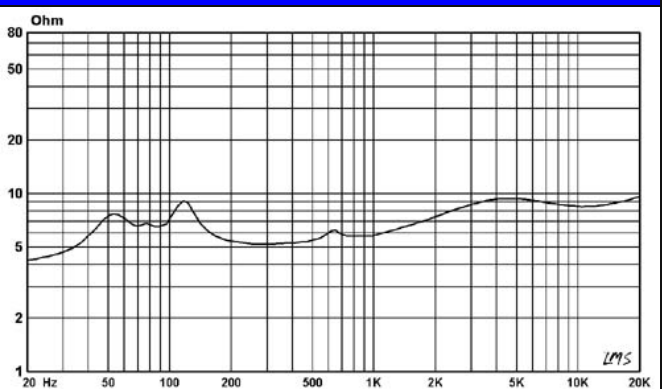
Specifications	
Frequency Response	65 Hz - 20 kHz
Voice-coil diameter	1"
Average Beamwidth @ 2 kHz	144 deg.
Magnet Weight	13 oz
Magnet Material	Barium Ferrite
Tweeter	13mm Polyamide Soft Dome
Woofer Cone	Polypropylene
Surround Material	Inverted Rubber
Crossover Frequency	5.0 kHz
Depth of the Enclosure	7 in. (8.25 with electrical box)
Dimension of Grille	2' x 2'



### FREQUENCY RESPONSE



### IMPEDANCE CURVE



## Architect's & Engineer's Specifications

The speaker system for suspended tile ceilings shall be AMK SQ Series Model SQ602\_\_\_\_\_ with grille size 2' x 2'. 2' x 2' systems shall directly replace a 2' x 2' tile. Each system shall include a factory mounted speaker with wired transformer mounted to a sub-plate with a fine perforated steel grille finished in white powder epoxy.

The loudspeaker unit in the system shall be of the coaxial type with an 6.5" woofer of polypropylene, an inverted rubber surround, and a 1" polyamide soft dome tweeter mounted on a post. The transducer in the loudspeaker system shall be AMK CX 601 coaxial loudspeaker. The woofer shall have a 13 oz. (369g) Barium Ferrite magnet. The two reproducer sections shall be coupled through a built-in capacitor bypass crossover.

The crossover frequency shall be at 5.0 kHz. The low frequency reproducer shall have 1" (25.4mm) voice coil and the high frequency reproducer shall have 0.51" (13mm) voice coil.

The system shall have a frequency response of 65 Hz- 20 kHz (+/- 5dB). The power handling shall be 25watts at 8 ohm impedance. The sensitivity shall be 91dB at 1watt / 1meter.

The system shall be on 2' x 2' metal perforated grille and 7" deep powered speaker enclosure attached on the back of the grille.

The loudspeaker system shall be AMK Innovations model **SQ 615(-\_\_\_\_\_)**.

**Conforms to EIA Standards: RS-276-A, RS-278-B, RS-426-A**

## Polar Responses

