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AMK Commercial Series

SA615

6½" Coaxial Loudspeaker Assembly



The SA 615A is a full range, low distortion, coaxial transducer assembly. The speaker combines high performance, power handling and a very smooth response.

This is one of the few transducers in the commercial sound industry that produces and meets the standards of a recording studio.

However, it is designed for overhead applications.

Excellent dispersion, wide bandwidth, and a smooth frequency response make this the top choice for today's overhead commercial applications.

The loudspeaker unit in this assembly is AMK CX-602

There is a wide range of applications for this unit, especially in restaurants, hotels, casinos, boardrooms and high scale retail stores.

Features:

- All metal construction, including baffle
- Designed to be interchangeable with AMK tile bridges and baffles
- High performance 6½" coaxial loudspeaker with wide dispersion
- UL 1480
- UL 2043

Specifications

| | |
|--|-----------------------------------|
| Frequency Response | 65 Hz – 20 kHz |
| Input Selector Switch | 15W, 10W, 5W, 2.5W, Off and 8 ohm |
| Power Handling at 8 ohms | 20 watts |
| Sound Pressure level (1w/1m) | 91 dB |
| Voice-coil diameter | 1" |
| Average beam width @ 2 kHz | 144° |
| Magnet Weight | 13 oz |
| Magnet Material | Barium Ferrite |
| Tweeter | 13mm Polyamide Soft Dome |
| Tweeter Magnet | Neodymium Boron |
| Woofer Cone | Polypropylene |
| Surround Material | Inverted Rubber |
| Crossover Frequency | 5.0 kHz |
| Depth | 8.5" (11.5" for SA615-10) |
| Diameter of the Enclosure | 9.25" |
| Diameter of the Grille | 12.75" |
| Enclosure Mounting | Metal Swivel Clamp |
| Net Weight (Grille, Back Enclosure, and Loudspeaker) | 13.0 lbs |
| Shipping Weight (pair) | 29.0 lbs |

Innovative Features

Each system includes a renowned AMK Coaxial loudspeaker like those already installed in hundreds of locations

Easy to install

- All-metal swivel mounting system allows standard installation of speaker without having to align the enclosure to the tile bridge
- This installation procedure is quick and unique to the industry
- The simplicity of our one-wire connection aids in speedy installation
- Architecturally pleasing white perforated metal grille that uses a unique metal clasp system for a "no visible hardware" finished look with ease of "snap on" installation

Sound

- One of the few speakers on the market that meets the standards for recording studio quality sound.
- Front accessible switch allows selection from various transformer wattage taps to control SPL or direct to 8ohms

Convenience

- Ease of purchasing with "one part number" convenience
- No more confusion with conventional product in-field assembly of separately ordered parts

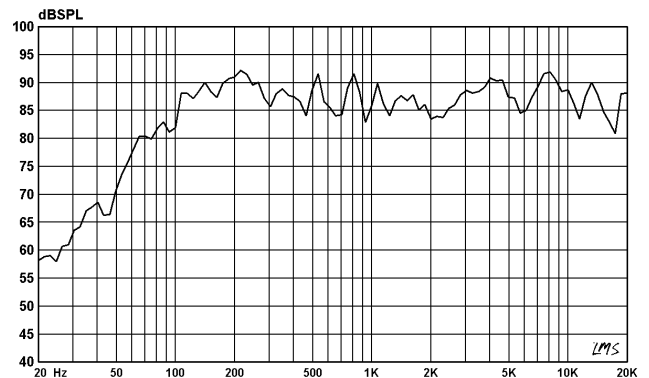
Safety

- The use of all-metal attachment parts makes for an overall safer installation
- All-metal swivel prevents breakage of swivel during installation
- All-metal swivel mounting system is not easily compromised by fire

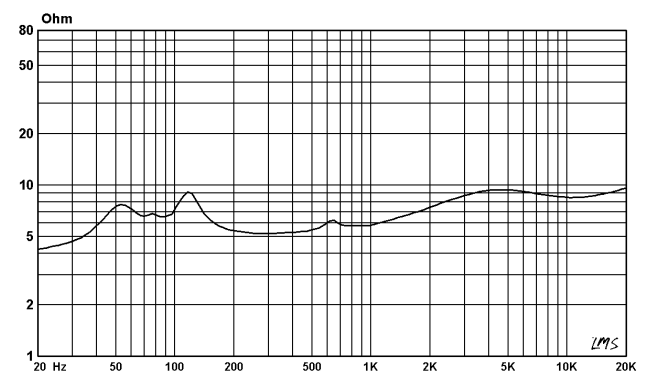
Custom Manufacturing Options

- The option of custom depth back enclosures are available
 - Various different transformers are available
- (Please allow some lead time for custom manufacturing)

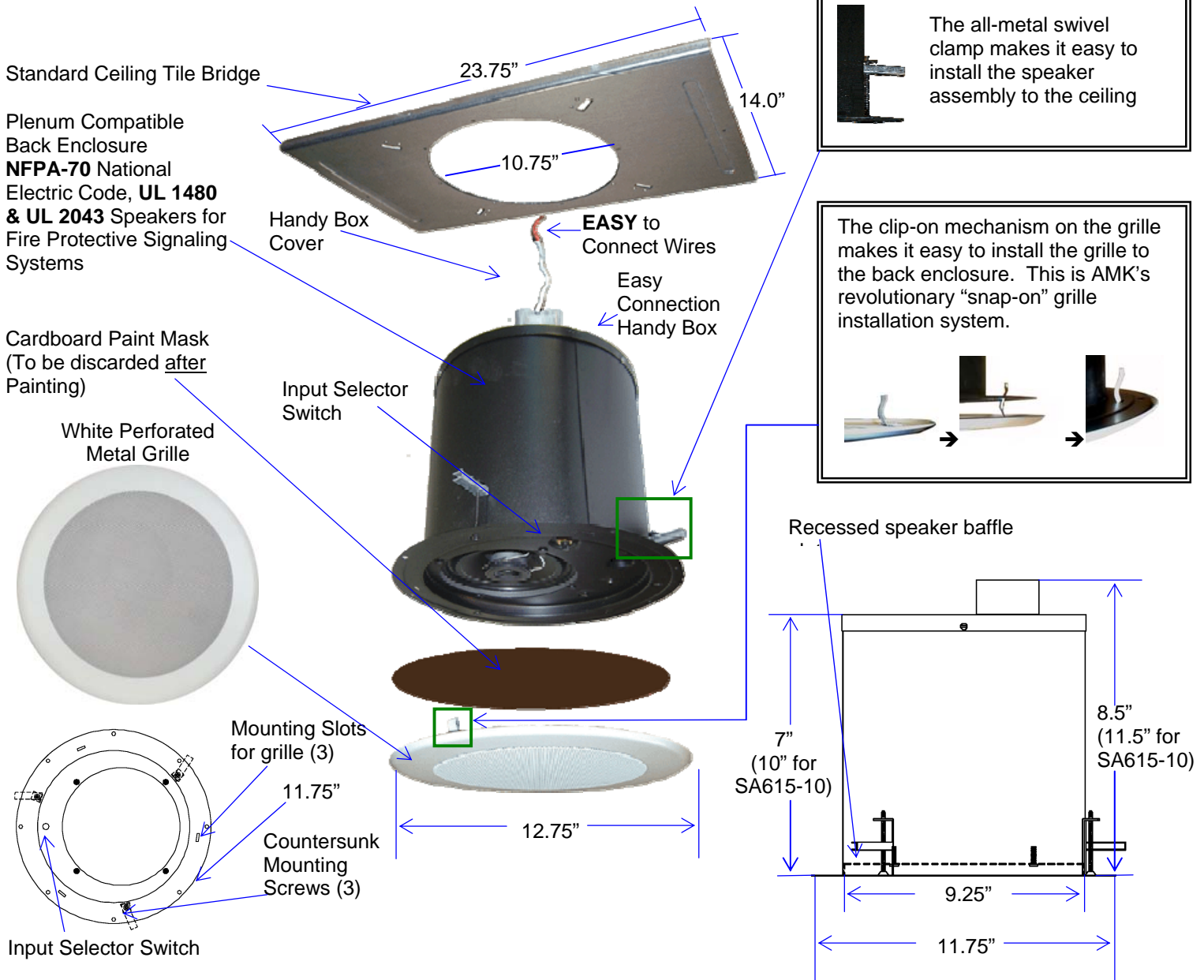
Frequency Response



Impedance Curve



SA615 ILLUSTRATION



Architects' & Engineers' Specifications

The loudspeaker system shall be **AMK SA615**. The speaker assembly in the system shall be of the coaxial type with a 6.5" woofer of polypropylene, an inverted rubber roll surround, and a 1" polyamide soft dome tweeter mounted on a post. The loudspeaker system shall have a white metal round grille that snaps into the rim of the mounting enclosure. The system shall have an input selector switch that shall have sections of 15W, 10W, 5W, 2.5W, (for 70.7 volts) off, and 8 ohm positions.

The transducer in the loudspeaker system shall be AMK CX 602 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 rim diameter shall be 11.75". The enclosure diameter shall be 9.25". The depth of the enclosure shall not exceed 8.5" (11.5" for SA615-10). The system includes a handy box, with cover, for wire enclosure, bonded to the back of the unit. The system shall include a tile bridge. The system shall have a metal strap for attachment to the structure for seismic protection. The total weight of the unit system shall not exceed 9.0 lbs. The loudspeaker system shall be AMK Innovations model **SA615**.

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