

AMK Commercial Series

QSA 615

Self Amplified 8" Coaxial Loudspeaker Assembly 1 self amplified speaker with 3 companions



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The **AMK QSA615** powered speakers feature a 30 watt class D digital design amplifier, with > 75% efficiency for the main speaker. This unit is a quarto system of 4 speakers, one powered speaker and three companion speakers. The speaker combines high performance, power handling, and a very smooth response.

The loudspeaker driver, CX602, is one of the few transducers in the commercial sound industry that produces and meets the standards of recording studio. Excellent dispersion, wide bandwidth, and a smooth frequency response make this the top choice for today's overhead commercial applications.

There are wide ranges of the application for this unit, especially in educational markets and corporate boardrooms where direct input of the signal from the processor is desired (i.e., projectors, laptops, or any line level device)

Features:

- * All metal construction, including baffle
- * High performance 6½" coaxial loudspeaker with wide dispersion
- * Self powered with 20 watt Class D amplifier
- * UL Listed Speaker Enclosure (UL 1480, UL 2043)

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 speakers without having to align the enclosure to the tile bridge

- This installation procedure is quick and unique to the industry
- Architecturally pleasing white perforated metal grille that uses a unique metal spring system for a "no visible hardware finished look and the ease of a "snap on" installation

Safety

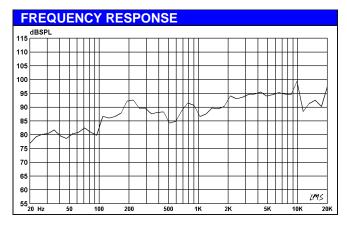
- The use of all-metal attachment parts makes for an overall safer installation
- All-metal swivel prevents breakage of swivel during installation
- All-metal swivel mounting system is not easily compromised by fire

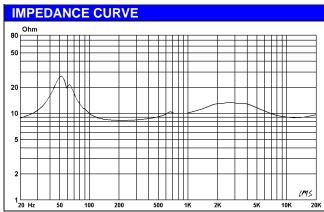
Sound

 The plenum compatible back enclosure is designed to maximize the performance of this studio quality speaker

Specifications			
Frequency Response	55 Hz - 20 kHz		
Voice-coil diameter	1"		
Average Beamwidth @ 2 kHz	110 deg.		
Magnet Weight	20 oz		
Magnet Material	Barium Ferrite		
Tweeter	13mm Polyamide Soft Dome		
Woofer Cone	Polypropylene		
Surround Material	Inverted Rubber		
Crossover Frequency	5.5 kHz		
Depth of the Enclosure	7 in.		
Diameter of the Grille	12.75 in.		
Enclosure Mounting	Metal Swivel Clamp		

Amplifier Specifications		
Amplification	30 watt Class D design amplifier	
Amplifier Efficiency	> 75%	
Total Harmonic Distortion	< 0.2%	
Signal to Noise Ratio	>95dB	
Protection	Protected as to short circuit to supply and ground, as well as minimum current	
Controls	Input potentiometer level adjustment	





MODEL OPTIONS

		WODELO			
Model	Power Supply	Power Connection	Input Connection	Signal Input	Slave input/output connections
QSA615-SM	External 24Volt	2.5mm N jack	Two RCA phono jacks	Stereo to Mono unbalanced	Screw terminal block connectors
Added Suffixes:					
	of Powered and Companion Sp (Set of powered speaker with the		RVC (Powered speaker was panion speaker)	ith the remote control)	
QSA615-OM	External 24Volt	2.5mm N jack	One RCA phono jack	One unbalanced Input	Screw terminal block connectors
	t of Powered and Companion Sp (Set of powered speaker with th		RVC (Powered speaker was panion speaker)	vith the remote control)
QSA615-RPS	External 24Volt w/ Screw Terminal	3.81mm two position Phoenix type connector	Two RCA phono jacks	Stereo to Mono unbalanced	Screw terminal block connectors
	et of Powered and Companion S P (Set of powered speaker with	peaker) QSA615-RP	S-RVC (Powered speaker		
QSA615-RPM	External 24Volt w/ Screw Terminal	3.81mm two position Phoenix type connector	One RCA phono jack	One unbalanced Input	Screw terminal block connectors
	et of Powered and Companion S P (Set of powered speaker with	Speaker) QSA615-RP	M-RVC (Powered speake Impanion speaker)		
QSA615-MD	External 24Volt w/ Screw Terminal	3.81mm two position Phoenix type connector	3.5mm Mini jacks	Stereo to Mono unbalanced	Screw terminal block connectors
	of Powered and Companion Sp (Set of powered speaker with t		RVC (Powered speaker was appanion speaker)	with the remote contro))
QSA615-MD2	External 24Volt w/ Screw Terminal	3.81mm two position Phoenix type connector	Two 3.5mm Mini jacks	Stereo to Mono unbalanced	Screw terminal block connectors
	et of Powered and Companion S P (Set of powered speaker with	peaker) QSA615-MD	2-RVC (Powered speake		
QSA615-RPM	12 Volt for external higher amperage multi unit supply (User option for power source)	3.81mm two position Phoenix type connector	One RCA phono jack	One unbalanced Input	Screw terminal block connectors
	et of Powered and Companion S P (Set of powered speaker with		M-RVC (Powered speake Impanion speaker)	er with the remote cont	rol)
QSA615-JFS	External 24Volt	2.5mm N jack	3.81mm four position Phoenix type connector	Stereo to Mono unbalanced	Screw terminal block connectors
	et of Powered and Companion Sp (Set of powered speaker with the		RVC (Powered speaker v	with the remote contro))
QSA615-JFM	External 24Volt	2.5mm N jack	3.81mm three position Phoenix type connector	One balanced Input	Screw terminal block connectors
	et of Powered and Companion S P (Set of powered speaker with		II-RVC (Powered speaker mpanion speaker)	with the remote contr	ol)
QSA615-CFS	External 24Volt w/ Screw Terminal	3.81mm two position Phoenix type connector	3.81mm four position Phoenix type connector	Stereo to Mono unbalanced	Screw terminal block connectors
	et of Powered and Companion S P (Set of powered speaker with		<u> </u>	with the remote contr	ol)
QSA615-CFM	External 24Volt w/ Screw Terminal	3.81mm two position Phoenix type connector	3.81mm three position Phoenix type connector	One balanced Input	Screw terminal block connectors
	et of Powered and Companion S P (Set of powered speaker with	the remote control and a co	M-RVC (Powered speake	r with the remote cont	rol)
QSA615-CFM-2	External 24Volt w/ Screw Terminal	3.81mm two position Phoenix type connectors	(2) 3.81mm three position Phoenix type connector	Two balanced Inputs	Screw terminal block connectors
	Set of Powered and Companion C-P (Set of powered speaker wit		FM-2-RVC (Powered specompanion speaker)	eaker with the remote	control)
QSA615-CFM-4	External 24Volt w/ Screw Terminal	3.81mm two position Phoenix type connectors	(4) 3.81mm three position Phoenix type connector	Four balanced Inputs	Screw terminal block connectors
	Set of Powered and Companion C-P (Set of powered speaker with	Speaker) QSA615-C	FM-4-RVC (Powered spe	eaker with the remote	control)

MODEL OPTION CONFIGURATIONS

QSA615-SM Stereo to mono unbalanced Two RCA phono jacks (stereo to mono unbalanced) Screw terminal block connectors for companion speaker connection 2.5 N jack for 12volt 1.5A Seismic power input metal strap Input level adjustment The speaker comes with one 2.5N jack desk top power supply w/ 7 ft cord set. UL

QSA615-OM One unbalanced input



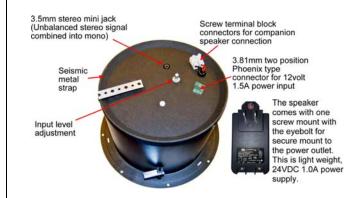
QSA615-RPS Stereo to mono unbalanced



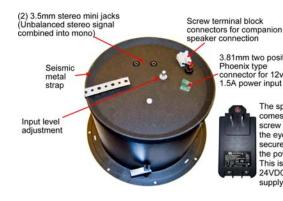
QSA615-RPM One unbalanced input



QSA615-MD Stereo to mono unbalanced



QSA615-MD2 Stereo to mono unbalanced



3.81mm two position Phoenix type connector for 12volt 1.5A power input

The speaker comes with one screw mount with the evebolt for secure mount to the power outlet. This is light weight, 24VDC 1.0A power supply.

MODEL OPTION CONFIGURATIONS

(For powered unit)



QSA615-JFM One balanced input



QSA615-CFS Stereo to Mono unbalanced



QSA615-CFM

One balanced input



QSA615-CFM Two balanced inputs

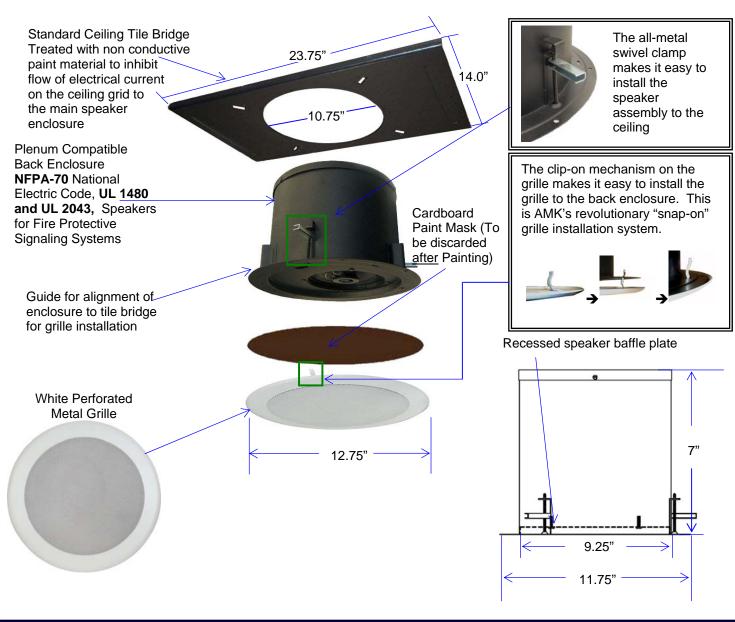


QSA615-CFM-4

Four balanced inputs



QSA 615 ILLUSTRATION



Power Supplies



12Volt 2A desktop power supply



24v 1A, screw mount, ITE wall wart power supply

Architect's & Engineer's Specifications

The powered loudspeaker system shall be **AMK QSA 615-___.** The speaker shall feature a 30 watt Class D design amplifier, with >75% efficiency for the speaker. The powered speaker systems shall be one amplified speaker with three companion speakers.

The loudspeaker system shall have a white metal round grille with a mounting spring tab snaps into the rim of the enclosure.

The powered unit of the system shall have one 3.81mm three position phoenix type connector for balanced audio input. The input level shall be control by the internal potentiometer. The power connection shall be a 3.81mm two position phoenix type connector. The system shall have 12 volt 1.5 Amps screw mount power supply.

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 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 sensitivity shall be 91dB at 1watt / 1meter.

The depth of the each enclosures shall be 7 inches. The rim diameter shall be 11.75". The enclosure diameter shall be 9.25". The depth of the each enclosures shall not exceed 11.75". The system shall include a tile bridges. The system shall have a metal strap for attachment to the structure for seismic protection.

The total weight of the each unit system shall not exceed 10.0 lbs.

The loudspeaker system shall be AMK Innovations model **QSA 615-____**.

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

