

AMK Commercial Series

PSA802-RPS-RVC (-P) Self Amplified 8" Coaxial Loudspeaker Assembly



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The **AMK PSA802-RPS-RVC** powered speakers feature a 30 watt Class D digital design amplifier, with > 75% efficiency for the main speaker. These units are available as single master speakers or sets with an unpowered companion speaker (**PSA802- RPS-RVC-P**) The speaker combines high performance, power handling, and a very smooth response.

The loudspeaker driver, CX802, 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 his the top choice for today's overhead commercial applications.

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

Features:

- * All metal construction, including baffle
- * High performance 8" coaxial loudspeaker with wide dispersion
- * Self powered with 30 watt Class D amplifier
- * Water and weather resistant for outdoor and humid environment.
- * 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 Safety

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 - 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

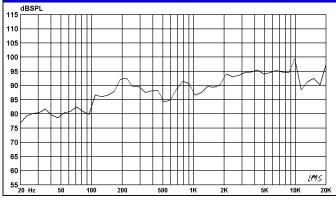
Sound

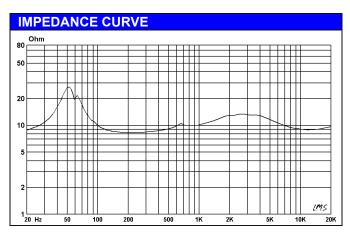
- The plenum compatible back enclosure is designed to maximize the performance of this studio quality speaker

55 Hz - 20 kHz
1"
110 deg.
20 oz
Barium Ferrite
13mm Polyamide Soft Dome
Polypropylene
5.5 kHz
7 in.
12.75 in.
Metal Swivel Clamp
UL 1480 / 2043, CE, RoHS

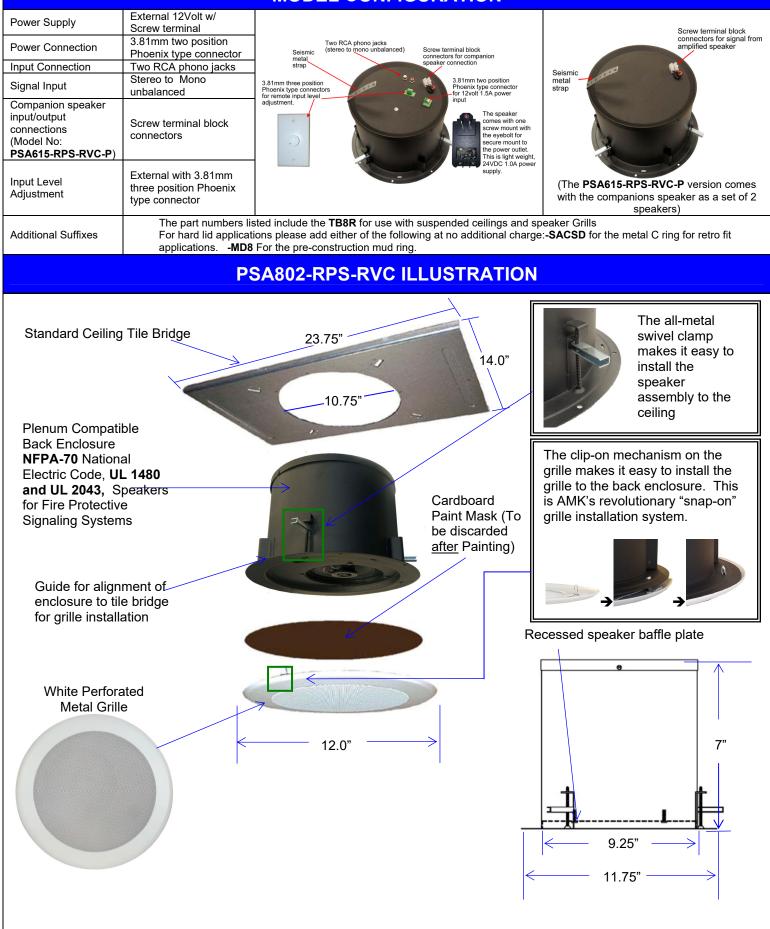
Amplifier Specifications	
Amplification	30 watt Class D digital amplifier
Amplifier Efficiency	> 75%
Total Harmonic Distortion	< 0.2%
Signal to Noise Ratio	>95dB
Protection	Protected as to short circuit to supply and ground, as well as minimum current
Controls	Input potentiometer level adjustment

FREQUENCY RESPONSE





MODEL CONFIGURATION



Architect's & Engineer's Specifications

Polar Responses

The powered loudspeaker system shall be **AMK PSA802-RPS-RVC (-P).** The speaker shall feature a 30watt Class D digital amplifier, with >75% efficiency for the speaker. The powered speaker systems shall be one amplified speaker with option of one other companion speaker.

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 two RCA phono jacks for unbalanced audio input. The input level shall be control by the external potentiometer provided with mounting plate 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 transducer in the loudspeaker system shall be AMK CX 802 coaxial loudspeaker. The woofer shall have a 40 oz. (1.13 Kg) Barium Ferrite magnet. The two reproducer sections shall be coupled through a built-in capacitor bypass crossover. The crossover frequency shall be at 5.5 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 55 Hz- 20 kHz (+/- 5dB). The power handling shall be 30watts at 8 ohm impedance. The sensitivity shall be 91dB at 1watt / 1meter.

The depth of the enclosures shall be 7 inches. The rim diameter shall be 11.75". The enclosure diameter shall be 9.25". The depth of the 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 **PSA802- RPS-RVC**.

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

