



SxA250

Compact Powered Sound
Reinforcement Speaker For:
Live Sound, Speech, Playback,
DJ, A/V, Institutional Venues



Key Features:

- Lightweight, Ergonomic Size - 49lb (22.2 kg)
- Angled Enclosure for Monitor Use
- Mic and Line Inputs with Mix Capability
- 350 W Dynamic LF Power
- 80 W Dynamic HF Power
- LF and HF Equalization
- Line Output for Additional Speakers
- 80° x 55° Constant Coverage Horn
- High Sensitivity, 126 dB Maximum SPL
- Dynamic Filters Provide Overload Protection and Linear Response
- Built-in Pole Mount
- Easily Suspended with Optional Rigging Kit



General Description:

The SxA250 sets a new standard for powered speakers. Its design provides the user multiple inputs with mix capability, an easy to use EQ section, and plenty of power in a very compact, attractive package.

This is a full range loudspeaker ideal for applications requiring high-quality sound. Careful attention to the dynamic requirements of music guided the amplifier design to provide high SPL. The high quality microphone preamplifier provides great sounding vocals or speech. A master level control sets the desired SPL, and the line input can be mixed and balanced with a microphone with its level control. Its linear response is easily optimized for speech or music with the on board multiband equalization.

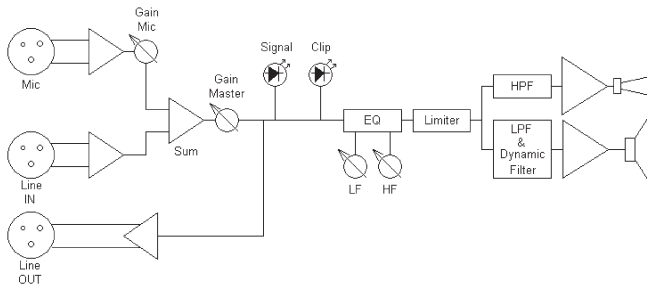
Built-in pole mount and optional rigging hardware make it easy to position for your application.

The high-frequency section of the SxA250 utilizes a molded-in, 80° x 55° constant-directivity horn. This unique pattern contributes to high intelligibility. Vocals sound natural yet "cut through" reverberant, noisy rooms. Coverage pattern is uniform and sound quality off-axis is very well maintained, even at 40° off axis (an 80° total coverage angle). The SxA250's high-frequency horn is driven by the DH2010A, a 1.25 inch diaphragm, wide-bandwidth, titanium-diaphragm driver using a unique, convex-drive TimePath™ phasing plug structure (U.S. Patent #4,525,604) for smooth and extended high-frequency response.

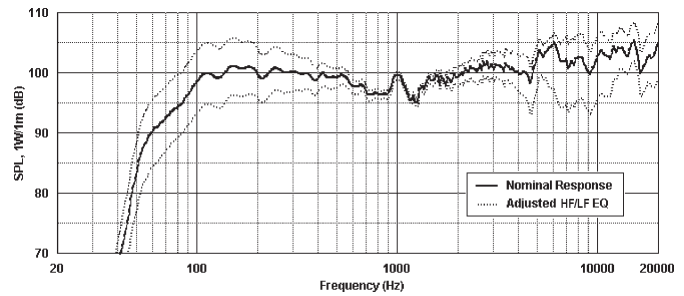
Technical Specifications:

Freq. Response (-10 dB):	55Hz-20kHz
Max SPL:	126 dB
Horizontal Coverage:	80°
Vertical Coverage:	55°
LF Amplifier Power:	350W 10ms burst, 150W Continuous
HF Amplifier Power:	80W 10ms burst, 50W Continuous
Mic Input Sensitivity:	-35 dBu to 0 dBu for full output
Line Input Sensitivity:	-12 dBu to 0 dBu for full output
LF Transducer:	15" (381mm)
HF Transducer:	1.25" (32mm) exit Compression Driver
Connectors:	
Bal. Inputs; Mic, Line :	XLR, XLR & ¼" phone Combination
Balanced Output:	XLR
Equalization:	Shelving; LF ±6dB @ 140Hz HF ±4dB @ 5kHz
Power Requirement:	110-130 VAC, 50-60Hz, or 220-240 VAC, 50-60Hz 600 Watts
Enclosure Material:	7-ply Plywood
Grille:	Powder Coated Steel with Cloth
Dim (H x W x D):	24.6" x 17.2" x 13.1" (625mm x 437mm x 333mm)
Net Weight (each):	49 lbs (22.2 kg)
Shipping Weight:	53 lbs (24.0 kg)

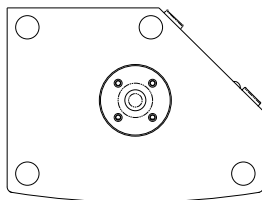
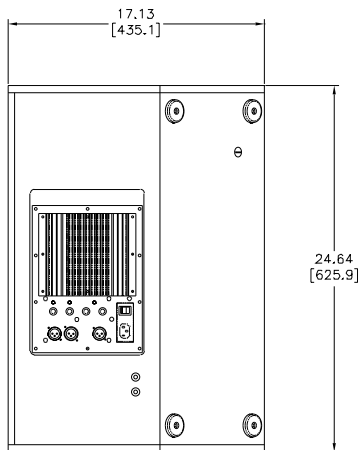
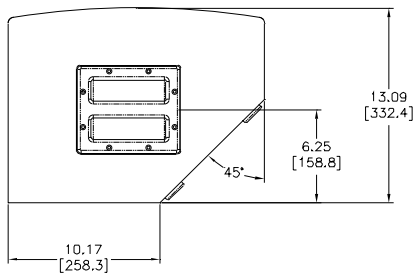
Block Diagram:



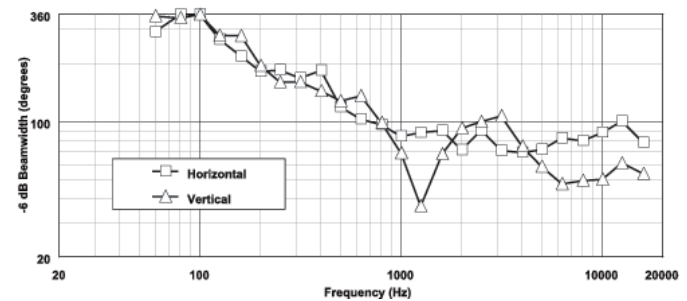
Frequency Response:



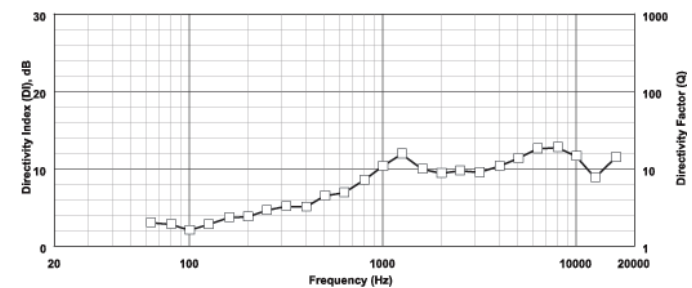
Dimension Drawings:



Beamwidth:



Directivity:



Performance Match:

- SxA180 Sub

Available Accessories:

- SK1 Rigging Hardware
- 100BK Tripod Stand

SxA250 Part Numbers

- 301221-001 120V
- 301221-003 230V

EV Electro-Voice®

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Specifications subject to change without notice.

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