

Electro-Voice SX300PIX Sx Series 12 inch 2-Way 300W 70V Speaker (Black/Weatherized)

The Sx300PI and Sx300PIX are continuations of the popular the Sx-series offering the added value of weather-resistant cabinets. The Electro-Voice Sx300PI is a 300-watt, 12-inch, two-way, high-efficiency, constant-directivity speaker system for permanent installation. Through the extensive use of computer-aided design and modeling, Electro-Voice engineers have developed a state-of-the-art professional loudspeaker system for permanent installation where weather resistance is needed. The Sx300PIX is the same as the Sx300PI with the addition of an AT100 transformer.

The high-frequency section of the Sx300PI utilizes a molded-in, 65° x 65° constant-directivity horn. This unique pattern contributes to high intelligibility. Vocals sound natural, yet “cut through” in reverberant, noisy rooms. In addition, the coverage pattern is unusually uniform over its range of operation. Sound quality off axis is very consistent, even at 45° off axis (a 90° total coverage angle), well beyond the rated coverage angle. The horn’s unique, Varipath™ throat geometry* helps direct driver output to the corners of the room, points of coverage not described in the usual specifications of horizontal and vertical coverage angles, and parts of the audience that typically do not receive the strongest coverage.

One of the many other unique features of the Sx300PI is the cabinet. Constructed of high-impact polypropylene structural foam, it provides a stiff and extremely durable enclosure. Molded into the cabinet are an integral carrying handle and a stand socket for mounting on 13 / 8 - inch stands such as the Electro-Voice 100BK. Rubber feet attached to the bottom of the cabinet and mating sockets molded into the top provide a means of stacking systems. The trapezoidal-shaped cabinet in combination with the uniform, 65° x 65° directivity characteristics, make the Sx300PI ideal for use alone or in arrays.

The Sx300PI’s high-frequency horn is driven by the Electro-Voice DH2010A one-inch throat, wide bandwidth, titanium-diaphragm driver. The DH2010A uses a unique, convex-drive Time Path™ phasing plug structure (U.S. Patent 4,525,604) for smooth and extended high-frequency performance. The voice coil is coupled to the diaphragm with EV’s exclusive Resonant Drive™ technology. This increases and smooths the high-frequency response and reduces the amount of internal equalization required for flat frequency response. Driver output extends to 25,000 Hz.

A self-resetting, high-frequency protection circuit, EV’s PROT™ circuit, is included with the Sx300PI to prevent accidental overdrive and improve system reliability. If the input power to the high-frequency driver exceeds the nominal rating, the protection circuit is activated and reduces the power delivered to the driver by 6 dB. The system will remain in this mode of operation until the input power is reduced to a safe level.

The bass section of the Sx300PI is designed using Thiele-Small parameters for efficient performance to below 80 Hz. The woofer is a DL12Sx 12-inch unit featuring beryllium copper lead wires, a low-mass, edge-wound voice coil and high-temperature materials. The part of the magnetic structure adjacent to the coil is insulated using the exclusive EV PROTEFT™ process (U.S. Patent 4,547,632). The system combines professional-quality components, arranged in a time-coherent vertical array, with an unusually durable Thiele-Small aligned vented enclosure. The result is clear and articulate, high-quality sound.

Features:

- Sx300 performance with enhanced weather-resistance
- PIX version has multi-tap transformer for 70 or 100 V use
- Ideal for installation, alone or in arrays
- 1.25-inch DH3/2010A titanium HF compression driver
- 65° x 65° Constant-directivity Varipath™ horn
- Ring-Mode Decoupling (RMD™) for increased intelligibility
- Power handling: 300 W continuous, 1200 W peak
- Neutrik Speakon(R) (PI) or Phoenix (PIX) connectors
- Trapezoidal enclosure of high-impact polypropylene
- Rubber feet and mating sockets for stacking
- Integral handles, pole socket, suspension points
- Color: Black