

Xi-2181A, Xi-2181AF

Dual 18-Inch Manifolded Bass
Sound Reinforcement System



Key Features:

- **Dual EVX-180B 18" Low-Frequency Drivers:**
Excellent Linear Excursion, Superior Thermal Capability
- **Available Flying (Xi-2181AF) and Non-Flying (Xi-2181A) Versions**
- **Ring-Mode Decoupling / RMD™**
- **Built-In L-Track Rigging**
- **Available in Black or White**
- **Footprint Identical to Xi-1153A, Xi-1183A, Xi-2153A, Xi-1191A, Xi-2122MHA and Xi-1122MHA**



General Description:

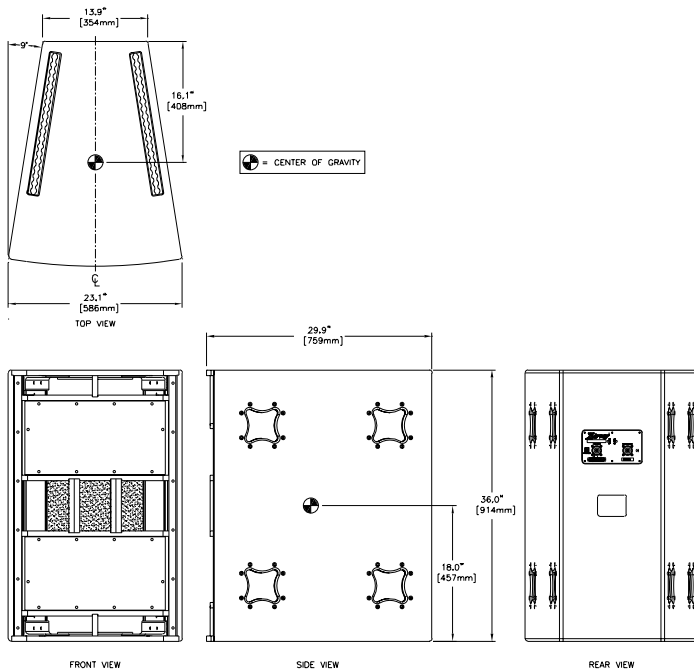
The Electro-Voice® Xi-2181A and Xi-2181AF bass systems are part of the Xi-A series and are intended for high-level sound reinforcement for fixed-installation and touring-sound applications. The Xi-2181A and Xi-2181AF are manifolded, vented-box bass systems utilizing two (2) EVX-180B 457-mm (18-in.) woofers. The two woofers face each other in a manifold chamber at the center of the enclosure. This manifolding technique (U.S. Patent Number 4,733,749) increases the acoustic loading, resulting in increased low-frequency efficiency (at slightly above box tuning) and reduced distortion compared to conventional direct-radiating designs. These bass systems are part of the Xi-A series and are intended for high-level sound reinforcement for fixed-installation and touring-sound applications. The Xi-2181A(F) enclosure is constructed of 18-mm, 13-ply, birch plywood and is available in a black textured-paint finish. The flying system includes four full-track flying points (two on the top and two on the bottom). Both flying (Xi-2181AF) and non-flying (Xi-2181A) versions are available. The Xi-2181A(F) loudspeaker system is an ideal choice for any professional installation or regional touring application where accurate low-frequency sound reproduction at high sound-pressure levels is required. The Xi-2181A(F) with Dx38 Digital Signal Processor create the ideal solution to subwoofer applications where high acoustic power is required from 41 Hz to 210 Hz. The Xi-2181A(F) is designed specifically to be used in conjunction with the full-range Xi-A systems (such as Xi-1122A/85, Xi-1152A/64 & /94, Xi-1123A/106, Xi-2123A/106, Xi-1153A/64, Xi-1183A/64, Xi-2153A/64, Xi-1122MHA/64 and Xi-2122MHA/42).

Technical Specifications:

Freq. Response ¹ (-3 dB):	48 Hz - 160 Hz
Freq. Range ¹ (-10 dB):	41 Hz - 210 Hz
Max Calculated SPL:	139 dB (Peak)
Coverage:	Omnidirectional
Power Handling:	1200W Continuous, 4800W Peak
LF Sensitivity ¹ :	102 dB
LF Impedance:	(2) 8 ohm Loads Nominal
LF Transducer:	(2) EVX-180B 18" (457mm) Drivers
Connectors:	Two Neutrik Speakon® NL8MPR
Enclosure Material:	18-mm, 13-ply birch plywood
Grille:	16 GA Steel
Dim (H x W x D):	914 x 586 x 759 mm (36.0" x 23.1" x 29.9")
Net Weight (each):	83.6 kg (184 lbs)
Shipping Weight:	87.6 kg (193 lbs)

¹ Half Space measurement with a Dx38 Controller

Dimension Drawings (Flying Version Shown):



Wiring/Connection Chart:

LF1:	Pins 1 Paralleled
LF2:	Pins 2 Paralleled
Pins 3 & 4 Paralleled Between Connectors	

Xi-2181A Part Numbers

- 1059-3421 - Black
- 1059-3427 - White

Xi-2181AF Part Numbers

- 1059-3420 - Black
- 1059-3428 - White

Performance Match

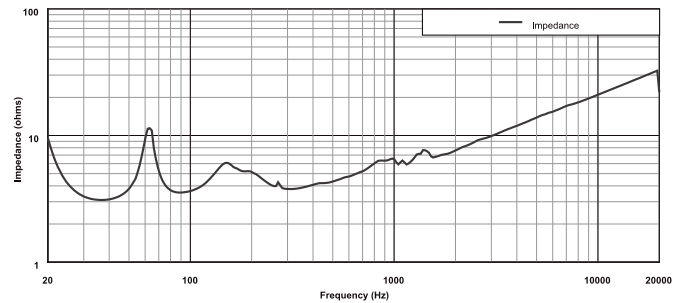
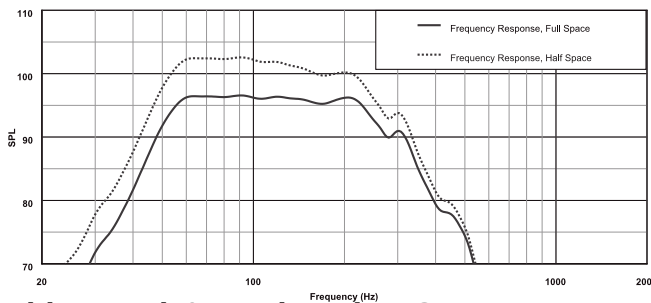
- P3000 (RL) • CPS 2.8 • Dx38
- P1200 (RL) • CPS 2.11



CAUTION

This Xi Loudspeaker should be suspended overhead only in accordance with the procedures and limitations specified in the *X-Array Xi Install Flying Manual* and possible manual update notices. This system should be suspended with certified rigging hardware by an authorized rigging professional and in compliance with local, state, and federal overhead suspension ordinances.

Frequency Response (Full & Half Space): Impedance:



Architectural & Engineering Specs:

The loudspeaker system shall be a dual driver, manifolded, vented-box low-frequency system. The loudspeaker system shall have two (2) 18-inch low-frequency woofers. The woofers shall have 8-ohm, 4-inch-diameter voice coils constructed of aluminum wire, which shall be capable of handling a 1200-watt shaped pinknoise signal with a 6-dB crest factor for 8 hours (as per ANSI/EIA RS-426A & AES 2-1984). The loudspeaker system shall have a sensitivity of 102 dB (1 watt at 1 meter). The loudspeaker system shall have an enclosure constructed of 18-mm, 13-ply birch plywood and shall have a vinyl-clad steel grille. The flying version shall employ flying hardware of a "track" style and two tracks on the enclosure top and two tracks on the enclosure bottom. The loudspeaker dimensions shall be 914 mm (36.00 in.) high, by 586 mm (23.07 in.) wide and 759 mm (29.88 in.) deep and shall weigh 83.5 kg (184 lbs).

The loudspeaker shall be the Electro-Voice® Xi-2181A or Xi-2181AF.



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www.electrovoice.com

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U.S.A. and Canada only. For customer orders, contact Customer Service at:

800/392-3497 Fax: 800/955-6831

Europe, Africa, and Middle East only. For customer orders, contact Customer Service at:

+ 49 9421-706 0 Fax: + 49 9421-706 265

Other International locations. For customer orders, contact Customer Service at:

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For warranty repair or service information, contact the Service Repair department at:

800/685-2606

For technical assistance, contact Technical Support at: 866/78AUDIO

Specifications subject to change without notice.