

Xi-1122A/85F

**12-Inch Two-Way,
Full-Range 80° x 55°
Sound Reinforcement System**



Key Features:

- Ultra-Compact/High-Level, Two-Way Design
- DL12ST 12" LF Driver
- ND6 3" Diaphragm HF Compression Driver
- 80° x 55° Coverage Pattern
- Built-In L-Track Rigging on Top and Bottom
- Ring-Mode Decoupling / RMD™
- Integrated Stand Mount
- Available in Black and White



General Description:

The Electro-Voice® Xi-1122A/85F is a second-generation loudspeaker system ideal for professional touring or installation applications requiring accurate, high-level sound reinforcement from a very compact enclosure. Because of the unique performance capabilities featured in this system, the X-Array Install™ Xi-1122A/85F offers extremely wide-range music reproduction as well as accurate vocal coverage and maximized intelligibility. The Xi-1122A/85F and associated controller combinations are recommended for applications requiring full bandwidth down to 60 Hz. Where very high levels of deep bass are required, maximum performance may be achieved with the addition of the Xi-1191A (single 18-inch subwoofer). The Xi-1122A/85F features a DL12ST 12" transducer and an ND6-16 3" voice coil Neodymium driver on a 1.4" horn throat exit, providing extended frequency response with even, controlled coverage. This system has integrated L-track rigging for flying or arraying multiple enclosures.

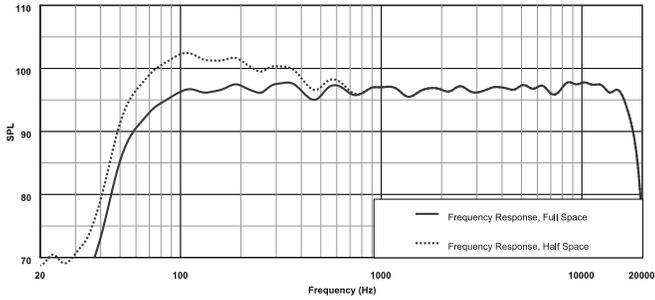
Technical Specifications:

Freq. Response ¹ (-3 dB):	58 Hz - 17 kHz
Freq. Range ¹ (-10 dB):	50 Hz - 19 kHz
Max Calculated SPL:	124 dB Cont. Avg., 130 dB Peak
Coverage:	80° x 55°
LF Power Handling:	300W Continuous, 1200W Peak
HF Power Handling:	75W Continuous, 300W Peak
LF Sensitivity:	99 dB, 1W/1m
HF Sensitivity:	110 dB, 1W/1m
LF Impedance:	8 ohms (Nominal)
HF Impedance:	16 ohms (Nominal)
LF Transducer:	DL12ST 12" (305mm) Driver, 8 ohms
HF Transducer:	ND6-16 3" (76mm) Diaphragm Comp. Driver, 16 ohms
Crossover Frequency:	Use Recommended Parameters ²
Connectors:	Two Neutrik Speakon® NL4's Paralleled
Enclosure Material:	13-ply Birch plywood
Grille:	16 GA steel
Dim (H x W x D):	584 x 379 x 358 mm (23.0" x 14.9" x 14.0")
Net Weight:	26.8 kg (59 lbs)
Shipping Weight:	29.1 kg (64 lbs)

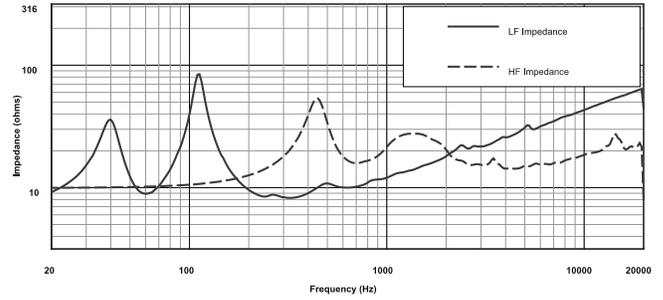
¹ Full Space measurement with a Dx38 Controller.
² Download at www.electrovoice.com

Xi-1122A/85F Full Range Loudspeaker

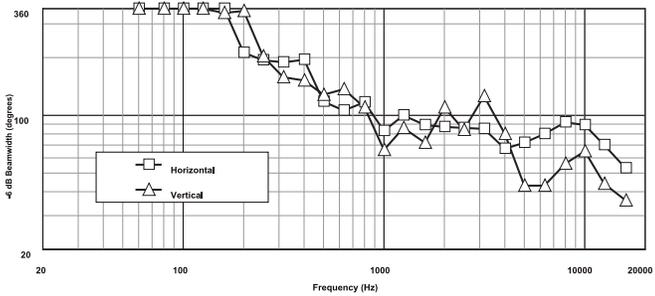
Frequency Response (Full & Half Space):



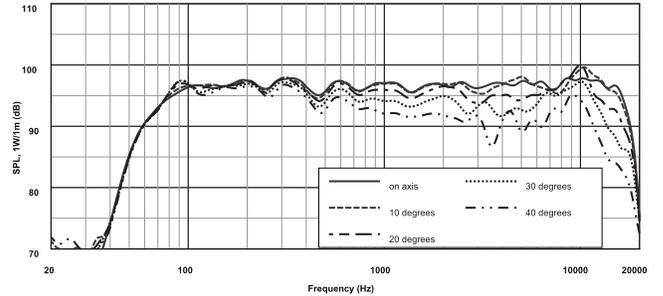
Impedance:



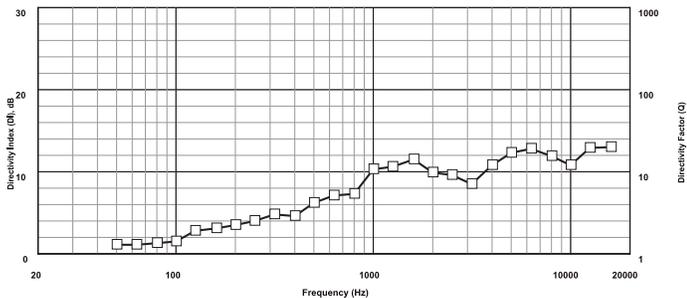
Beamwidth:



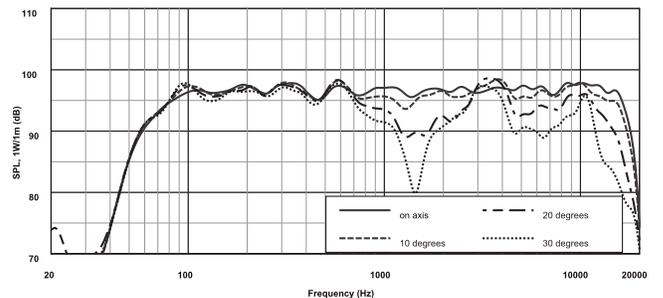
Horizontal Off Axis Frequency Response:



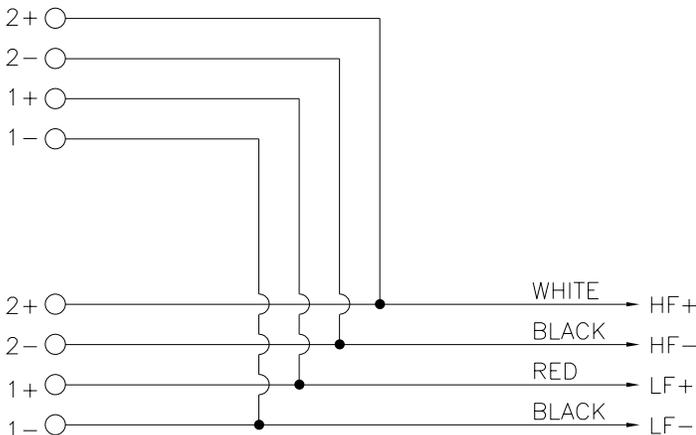
Directivity:



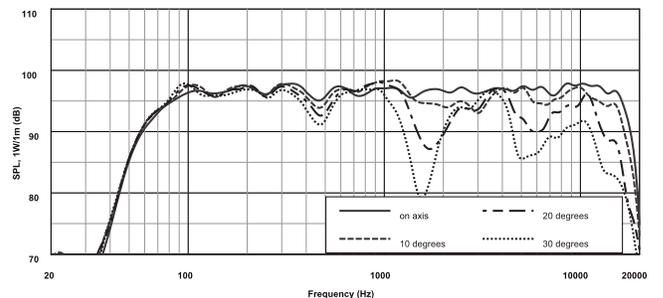
Vertical Off Axis Frequency Response (Up):



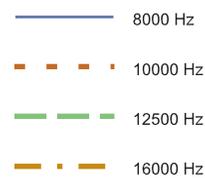
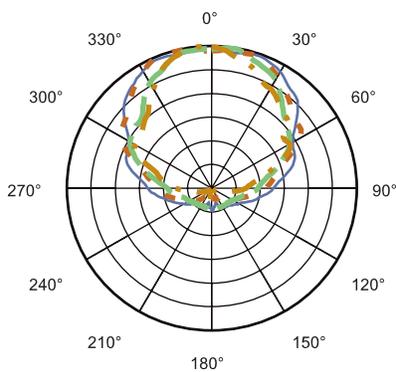
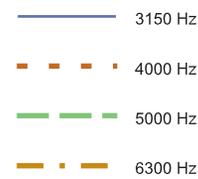
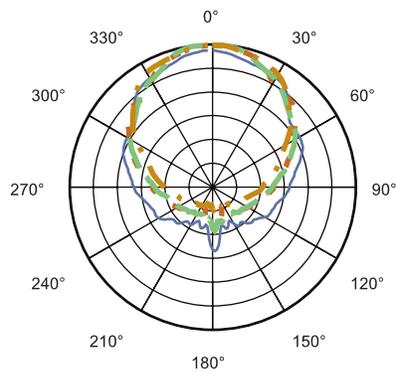
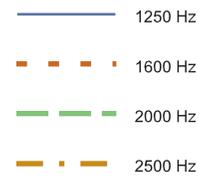
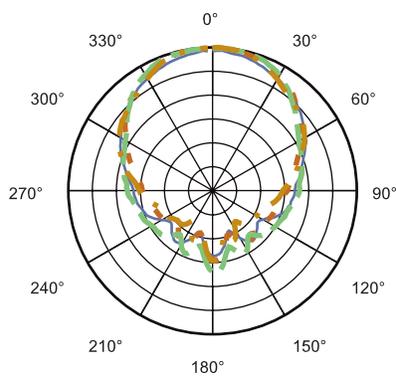
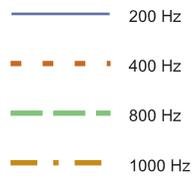
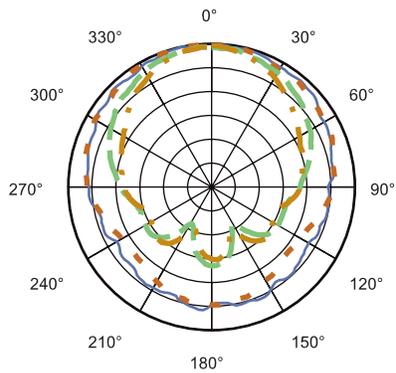
Wiring Diagram:



Vertical Off Axis Frequency Response (Down):

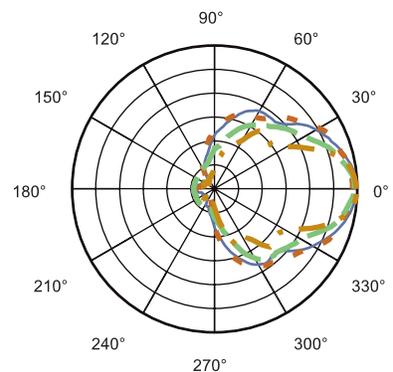
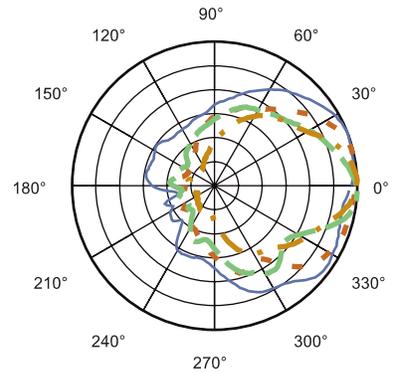
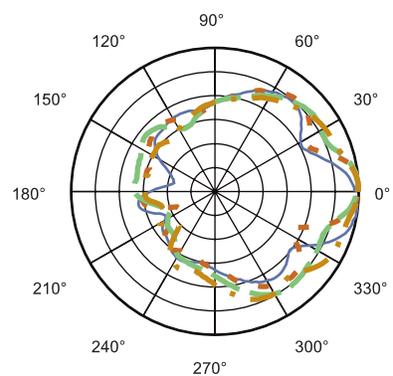
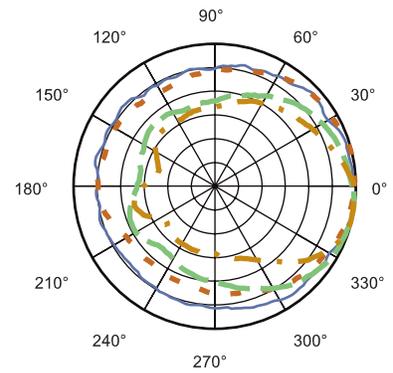


Horizontal 1/3 Octave Polars:

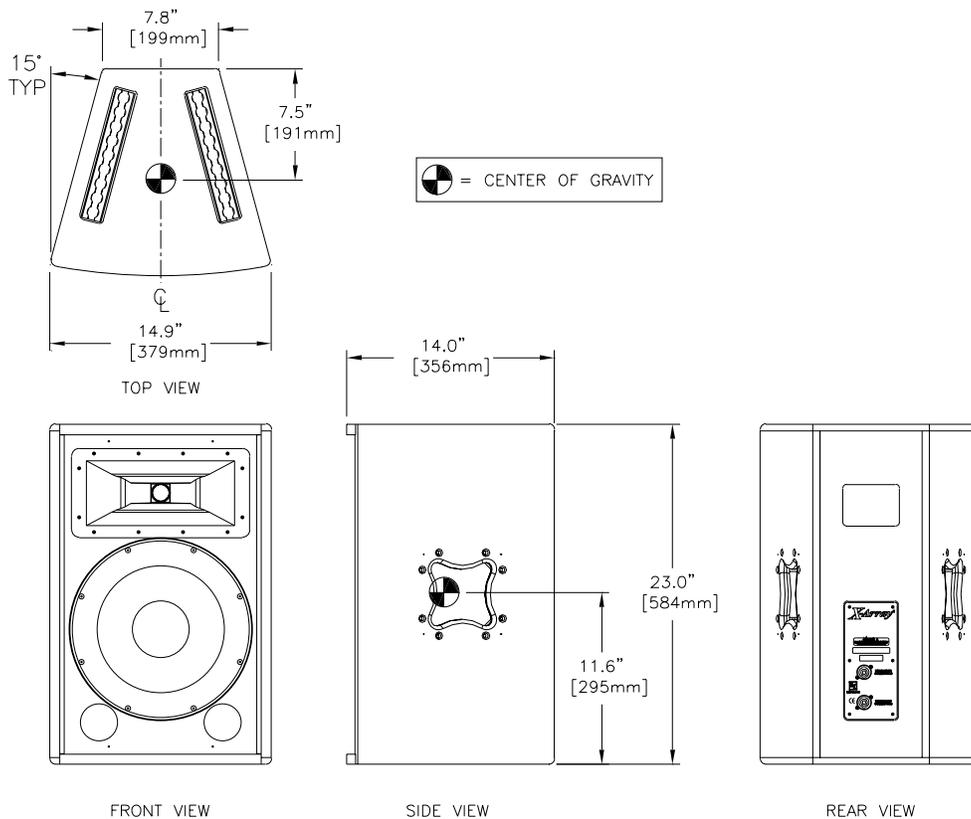


Graph scales are 6 dB per division

Vertical 1/3 Octave Polars:



Dimension Drawings:



⚠ 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.

Performance Match (Amplifiers)

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

Xi-1122A/85F Part Numbers

- 1061-3429 - Black
- 1061-3432 - White

Architectural & Engineering Specs:

The loudspeaker system shall be a two-way bi-amp system. The system shall have an 12-inch, low-frequency loudspeaker with a nominal impedance of 8 ohms and a 3-inch aluminum voice coil. The low-frequency loudspeaker shall be a 12-inch driver with a 2.5-inch voice coil and a nominal impedance of 16 ohms. The low-frequency driver shall have a power-handling capacity of 300 watts for 8 hours (as per ANSI/EIA RS-426 A & AES 2-1984). The high-frequency section shall employ a compression driver capable of handling 150 watts, 1,760- to 20,000-Hz when pink noise of a 6-dB crest factor is applied for 2 hours (as per AES 2-1984 and ANSI S4.26-1984 standards). The loudspeaker shall be constructed of 18-mm, 13-ply birch and shall be trapezoidal in shape. The wedge angle shall be 30-degrees. The grille shall be constructed from 16 GA powder-coated steel backed by acoustically transparent fabric. The system shall be capable of very-high level operation with a bandwidth of 50 to 16,000 Hz. The system dimensions shall be 379 mm (14.94 inches) wide by 584 mm (23.00 inches) high by 358 mm (14.08 inches) deep. The system shall employ flying hardware of a "track" style, having two tracks on the enclosure top and two tracks on the enclosure bottom. The enclosure shall include a stand mount on the bottom of the enclosure. Net weight shall be 59 lbs (26.8 kg).

The loudspeaker shall be the Electro-Voice® Xi-1122A/85F.



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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:
+ 1 952 884-4051 Fax: + 1 952 736-4212

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.