

Xi-1122MHA/64F

**12-Inch Two-Way,
Half-Height, Mid-High 60° x 40°
Sound Reinforcement System**



Key Features:

- Compact/High-Level, Two-Way Design
- ND12A 12" Neodymium Mid-Bass Driver (60° x 40° Coverage)
- Coaxially-Mounted ND6-16 3" Diaphragm HF Compression Driver for Very High Output
- Fully Rotatable HF Section for Vertical or Horizontal Suspension
- 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-2181A, and Xi-2122MHA



General Description:

The Electro-Voice® Xi-1122MHA/64F is a mid-high, two-way, biamp system designed for medium- to long-throw applications. The ND6-16 high-frequency driver/horn combination is fully "shrouded" to preserve midbass wave-front detail. The ND12A 12-inch, application-specific mid-bass driver features RMD™ and a 60° x 40° horn. The 60° x 40° coverage pattern offers precise pattern control, and would be well suited for front-of-house, front-fill, side-fill and delay applications. When very high levels are desired we suggest augmenting with the Xi-1191A. Its high-frequency horn/driver section is rotatable to provide proper coverage for vertical or horizontal system installations. The Xi-1122MHA/64F is a two-way system that requires an active electronic crossover. Both the Electro-Voice Dx38 and Klark Teknik DN9848 digital controllers are recommended for signal control. The Electro-Voice P3000 amplifier is recommended for powering the MB, and the P1200 is recommended for powering the HF of the Xi-1122MHA/46F.

Technical Specifications:

Freq. Response ¹ (-3 dB):	110 Hz - 17 kHz
Freq. Range ¹ (-10 dB):	100 Hz - 19 kHz
Max Calculated SPL ² :	139 dB
Coverage:	60° x 40° (Rotatable)
MB Power Handling:	300W Continuous, 1200W Peak
HF Power Handling:	75W Continuous, 300W Peak
MB Sensitivity:	110 dB, 1W/1m
HF Sensitivity:	112 dB, 1W/1m
MB Impedance:	8 ohms (Nominal)
HF Impedance:	16 ohms (Nominal)
MB Transducer:	ND12A 12" (305mm) Driver, 8 ohms
HF Transducer:	ND6-16 3" (76mm) Diaphragm Comp. Driver, 16 ohms
Crossover Frequency ³ :	Use Recommended Parameters
Connectors:	Two Neutrik Speakon® NL8MPR Paralleled
Enclosure Material:	13-ply Birch plywood
Grille:	16 GA steel
Dim (H x W x D):	596 x 586 x 759 mm (23.5" x 23.1" x 29.9")
Net Weight:	61.8 kg (136 lbs)
Shipping Weight:	65.8 kg (145 lbs)

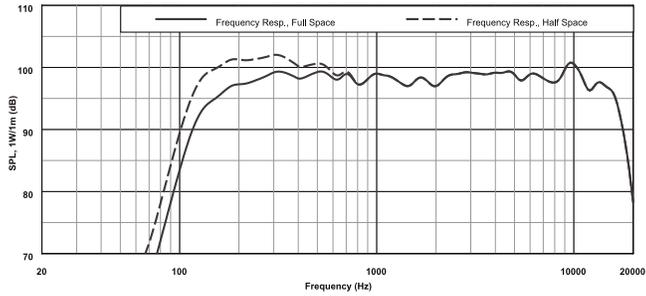
¹ Full Space measurement with a Dx38 Controller

² Max Calculated SPL of MB Section

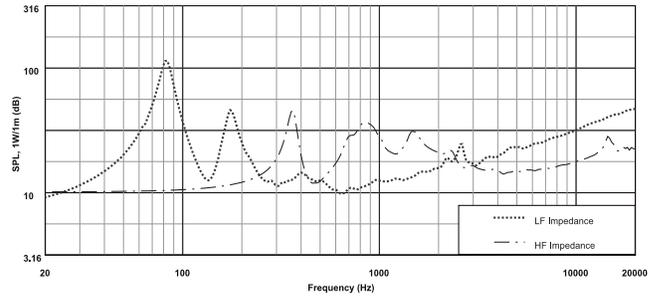
³ Download at www.electrovoice.com

Xi-1122MHA/64F Full Range Loudspeaker

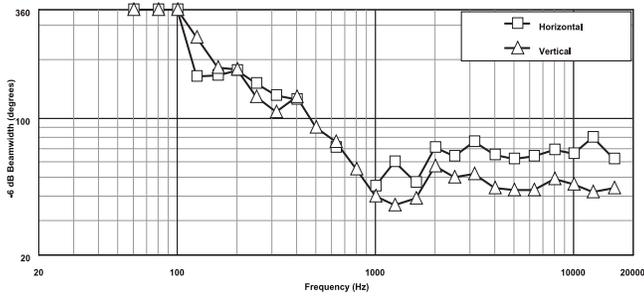
Frequency Response (Full & Half Space):



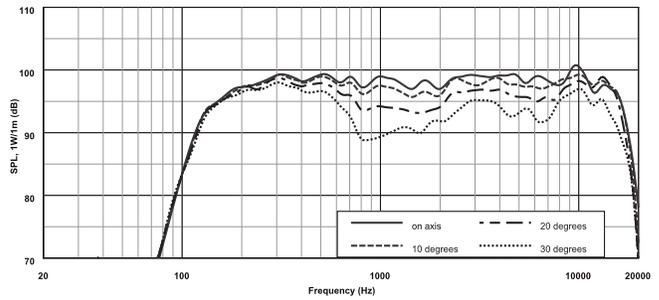
Impedance:



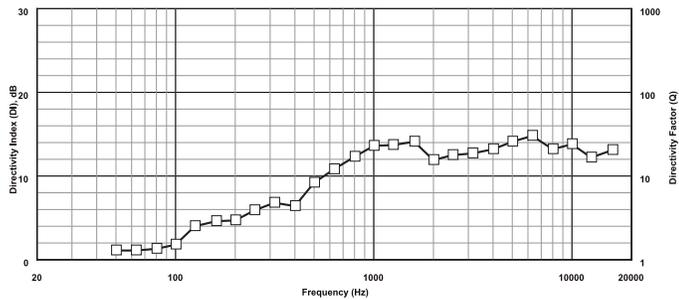
Beamwidth:



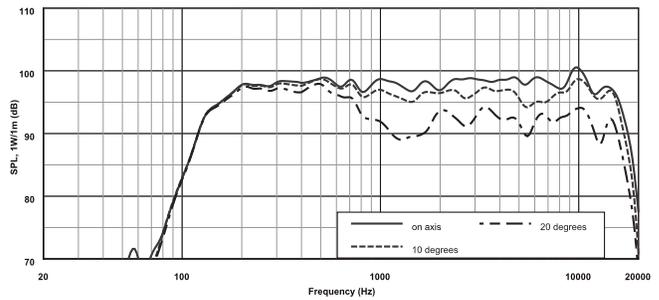
Horizontal Off Axis Frequency Response:



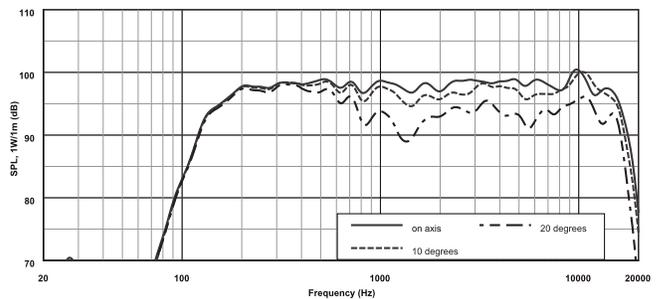
Directivity:



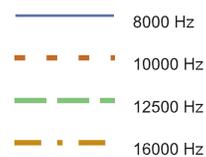
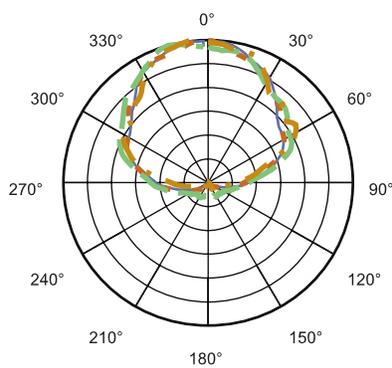
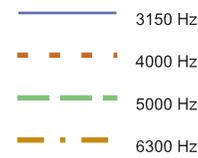
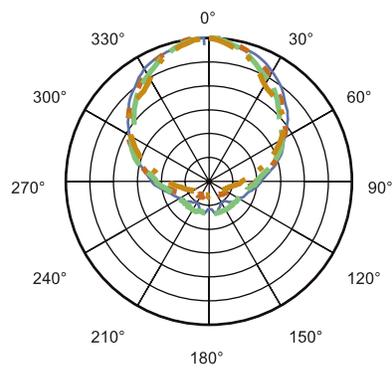
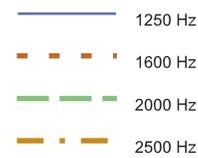
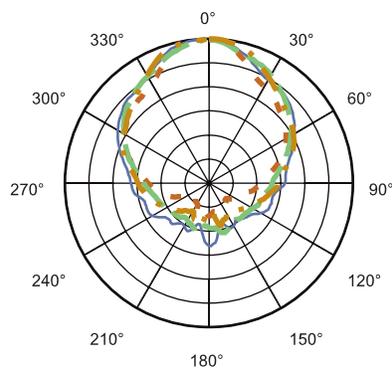
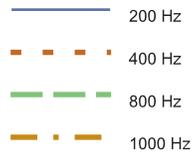
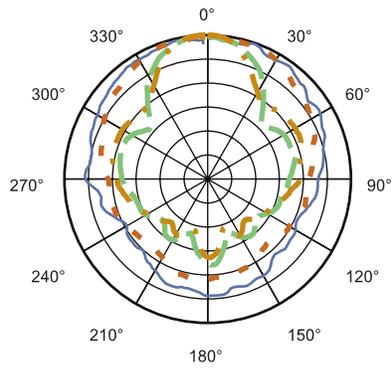
Vertical Off Axis Frequency Response (Up):



Vertical Off Axis Frequency Response (Down):

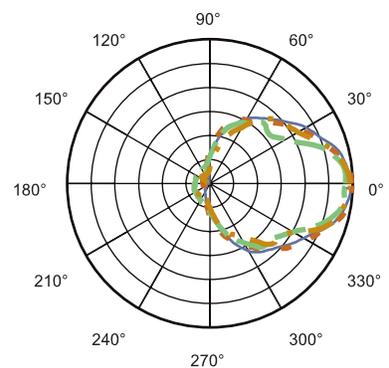
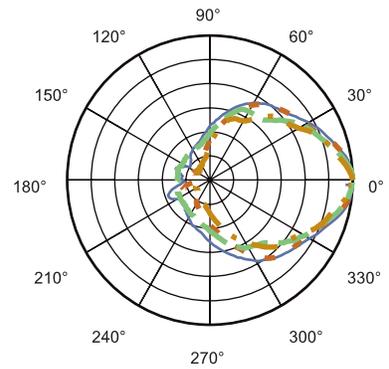
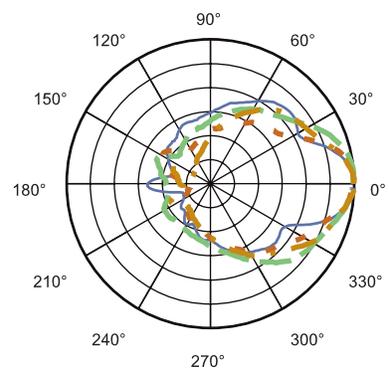
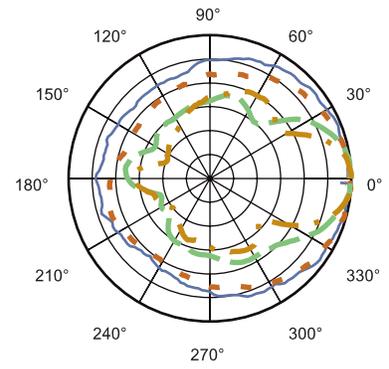


Horizontal 1/3 Octave Polars:

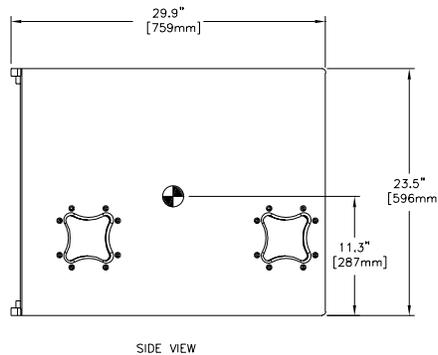
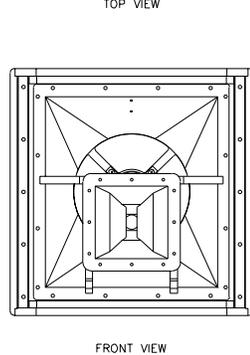
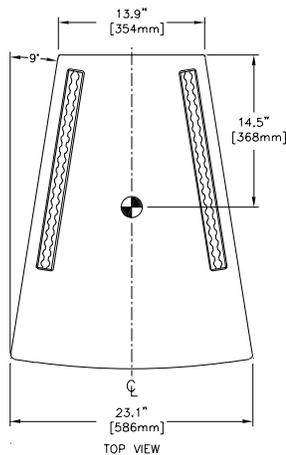


Graph scales are 6 dB per division

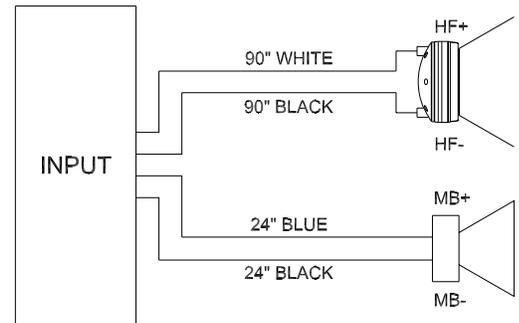
Vertical 1/3 Octave Polars:



Dimension Drawings:



Wiring/Connection Chart:



⚠ 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

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

Xi-1122MHA/64F Part Numbers

- 1125-3443 - Black
- 1125-3446 - White

Architectural & Engineering Specs:

The loudspeaker system shall be a two-way bi-amp system. The system shall have a 12-inch, fully horn-loaded mid-bass driver with a 2.5-inch voice coil and a nominal impedance of 8 ohms. The mid-bass 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 be coaxially mounted in the mid-bass horn and shall employ a compression driver capable of handling 75 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 18-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 band width of 100 to 19,000 Hz. The system dimensions shall be 586 mm (23.07 inches) wide by 596 mm (23.46 inches) high by 759 mm (29.88 inches) deep. The system shall employ flying hardware of a "track" style and two tracks on the enclosure top and two tracks on the enclosure bottom. Net weight shall be 61.8 kg (136 lbs).

The loudspeaker shall be the Electro-Voice® Xi-1122MHA/64.



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Specifications subject to change without notice.