EVH-1152D/94

Single 15" Two-Way Coaxial 90° x 40° Full-Range High-Efficiency Loudspeaker System



Key Features:

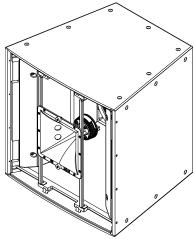
- DH7N 3" (76 mm) diaphragm, 1.4" (36 mm) exit pure titanium compression driver
- SMX2151 15" (381 mm) LF transducer with fully symmetric drive
- Advanced fourth-order crossover network with HF protection
- Coverage pattern: 90° x 40° Constant Directivity™ 12" rotatable waveguide
- 105 dB sensitivity, 138 dB maximum SPL
- System rating: 500 W continuous, 2000 W peak
- Active rating: LF 400 W/HF 75 W continuous (1600 W/300 W peak)
- (28) M10 threaded suspension points
- PI and FG versions available with gland nut and stainless-steel grille

General Description:

The Electro-Voice EVH-1152D/94 is a high-power, two-way horn-loaded coaxial loudspeaker system that can be used in a variety of applications where excellent sound reinforcement, wide bandwidth directivity control, and high efficiency is required in a compact package.

The EVH-1152D/94 utilizes the DH7N, a high-output 3" titanium compression driver, coupled to a Constant Directivity™ 90° x 40° waveguide. The SMX2151 15" woofer was developed using FEA optimization for motor, suspension, and electrical design to ensure very low distortion, high efficiency, and maximum intelligibility at high SPL. The crossover uses steep, 24-dB-per-octave slopes with equalization for very smooth response in the vocal range, linear off-axis response, and a protection circuit for long-term reliability. This combination of technologies results in a smooth response to 20 kHz and excellent pattern control down to 500 Hz.

The EVH-1152D/94's features make it ideal for many fixed-install applications. The trapezoidal enclosure is constructed of weather-resistant birch, and coated with EVCoat™ for protection from the elements. For maximum protection against extreme outdoor elements, a fully-weatherized fiberglass version is available. The unique acoustic and rigging design allows for vertical and horizontal clusters to be built using any combination of loudspeakers from the entire EVF and EVH series. With seven horn patterns to choose from, along with an assortment of lowfrequency and subwoofer loudspeakers, you have the tools to maximize flexibility of system design, no matter what the application and budget. The innovative input panel provides a choice of Phoenix-style connector (included in all standard models) or the ability to add a dual NL4-type connector cover plate or gland-nut cover plate (for weatherizing applications). An externally accessible jumper selects passive or active operation. An available 70.7/100-V transformer kit may be easily mounted to the input panel for use in distributed systems. All these features give you the flexibility to address a large range of venues, quickly and precisely supporting customer requirements with fewer items in inventory.



Technical Specifications:

Freq. Response¹ (-3 dB): Freq. Range¹ (-10 dB): Freq. Range¹ (-10 dB): Rotatable Coverage: Rec. High-Pass Frequency: Passive Crossover Freq.: Axial Sensitivity¹: 105 dB (1 W/1 m) Max. Calculated SPL¹: Bassive Power Handling²: LF Axial Sensitivity¹: LF Max. Calculated SPL: LF Power Handling³: LF Impedance: Bohms (nominal), 6.0 ohms (min.) LF Transducer - SMX2151, 15" (381 mm) driver LF Axial Sensitivity¹: LF Max. Calculated SPL: Bohms (nominal), 6.1 ohms (min.) HF Transducer - DH7N, 3" (76 mm) diaphragm compression driver HF Axial Sensitivity¹: HF Max. Calculated SPL: 137 dB HF Power Handling³: T5 W continuous, 300 W peak HF Impedance: Bohms (nominal), 6.0 ohms (min.) Connectors: Dual four-pin 10 AWG Phoenix/Euro Block screw-terminals Enclosure: 13-ply weather-resistant birch with EVCoat™ FG Versions - CDG dual-gland-nut input panel cover included Connectors: Brille: 16 GA powder-coated galvanneal with rotatable logo For Pl/FG Versions - Stainless steel with hydrophobic cloth Environmental: EEC 60529 IP55 for Pl and FG versions Suspension: (28) M10 threaded suspension points Dimensions JOHN STANCE MH2 W X D): (768.6 mm x 768.6 mm x 680.1 mm) Weight: 145.5 lb (66.1 kg) net, 160.5 lb (72.9 kg) shipping					
Rotatable Coverage: 90° x 40° Rec. High-Pass Frequency: 60 Hz Passive Crossover Freq.: 1300 Hz Axial Sensitivity¹: 105 dB (1 W/1 m) Max. Calculated SPL¹: 138 dB Passive Power Handling²: 500 W continuous, 2000 W peak Impedance: 8 ohms (nominal), 6.0 ohms (min.) LF Transducer - SMX2151, 15" (381 mm) driver LF Axial Sensitivity⁴: 106 dB (1 W/1 m) LF Max. Calculated SPL: 138 dB LF Power Handling³: 400 W continuous, 1600 W peak LF Impedance: 8 ohms (nominal), 6.1 ohms (min.) HF Transducer - DH7N, 3" (76 mm) diaphragm compression driver HF Axial Sensitivity⁴: 112 dB (1 W/1 m) HF Max. Calculated SPL: 137 dB HF Power Handling³: 75 W continuous, 300 W peak HF Impedance: 8 ohms (nominal), 6.0 ohms (min.) Connectors: Dual four-pin 10 AWG Phoenix/Euro Block screw-terminals Enclosure: 13-ply weather-resistant birch with EVCoat™ tant birch with fiberglass finish Grille: 16 GA powder-coated galvanneal with rotatable logo Environmental: IEC 60529 IP55 for PI and FG versions Suspension: (28) M10 threaded suspension points Dimensions (H x W x D): (768.6 mm x 768.6 mm x 680.1 mm)	Freq. Response ¹ (-3 dB):		60 Hz - 17 kHz		
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Axial Sensitivity¹: 105 dB (1 W/1 m) Max. Calculated SPL¹: 138 dB Passive Power Handling²: 500 W continuous, 2000 W peak Impedance: 8 ohms (nominal), 6.0 ohms (min.) LF Transducer - SMX2151, 15" (381 mm) driver LF Axial Sensitivity⁴: 106 dB (1 W/1 m) LF Max. Calculated SPL: 138 dB LF Power Handling³: 400 W continuous, 1600 W peak LF Impedance: 8 ohms (nominal), 6.1 ohms (min.) HF Transducer - DH7N, 3" (76 mm) diaphragm compression driver HF Axial Sensitivity⁴: 112 dB (1 W/1 m) HF Max. Calculated SPL: 137 dB HF Power Handling³: 75 W continuous, 300 W peak HF Impedance: 8 ohms (nominal), 6.0 ohms (min.) Connectors: Dual four-pin 10 AWG Phoenix/Euro Block screw-terminals Enclosure: 13-ply weather-resistant birch with EVCoat™ birch with EVCoat™ birch with EVCoat™ birch with fiberglass finish Grille: 16 GA powder-coated galvanneal with rotatable logo Pl/FG Versions - Stainless steel with hydrophobic cloth Environmental: IEC 60529 IP55 for PI and FG versions Suspension: (28) M10 threaded suspension points Dimensions (H x W x D): (768.6 mm x 768.6 mm x 680.1 mm)	Rotatable Coverage:		90° x 40°		
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Connectors: Dual four-pin 10 AWG Phoenix/Euro Block screw-terminals Enclosure: 13-ply weather-resistant birch with EVCoat™ Environmental: IEC 60529 IP55 for PI and FG versions Suspension: (28) M10 threaded suspension points Dimensions (H x W x D): (768.6 mm x 768.6 mm x 680.1 mm)	HF Power Handling ³ :				
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galvanneal with rotatable logo Stainless steel with hydrophobic cloth Environmental: IEC 60529 IP55 for PI and FG versions Suspension: (28) M10 threaded suspension points Dimensions (H x W x D): (768.6 mm x 768.6 mm x 680.1 mm)	Enclosure:				
Suspension: (28) M10 threaded suspension points Dimensions 30.26" x 30.26" x 26.77" (H x W x D): (768.6 mm x 768.6 mm x 680.1 mm)	Grille:	galvanneal with		Stainless steel with	
Dimensions (H x W x D): (768.6 mm x 768.6 mm x 680.1 mm)	Environmental:	IEC 60529 IP55 for PI and FG versions			
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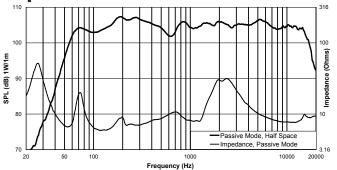
- 1 Half-space measurement.
- 3 AES 2-1984, tested for eight hours.
- $^{\rm 2}$ EIA RS-426A, tested for eight hours.
- Arithmetic averages, 300 1,300 Hz (LF) and 1,300 5,000 Hz (HF).



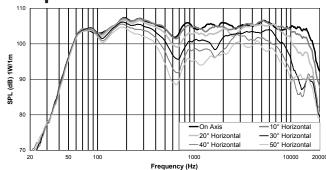


EVH-1152D/94 Loudspeaker System

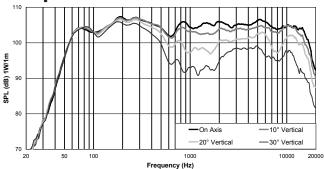
Frequency Response & Impedance:



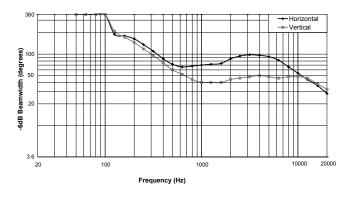
Horizontal Off-Axis Frequency Response:



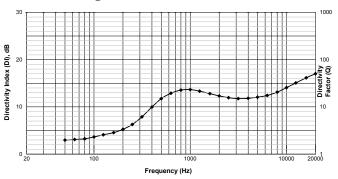
Vertical Off-Axis Frequency Response:



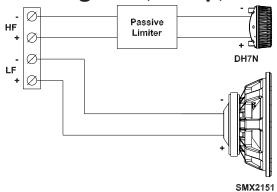
Beamwidth:



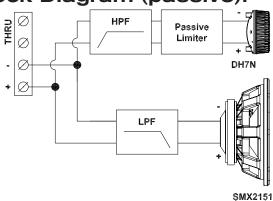
Directivity:



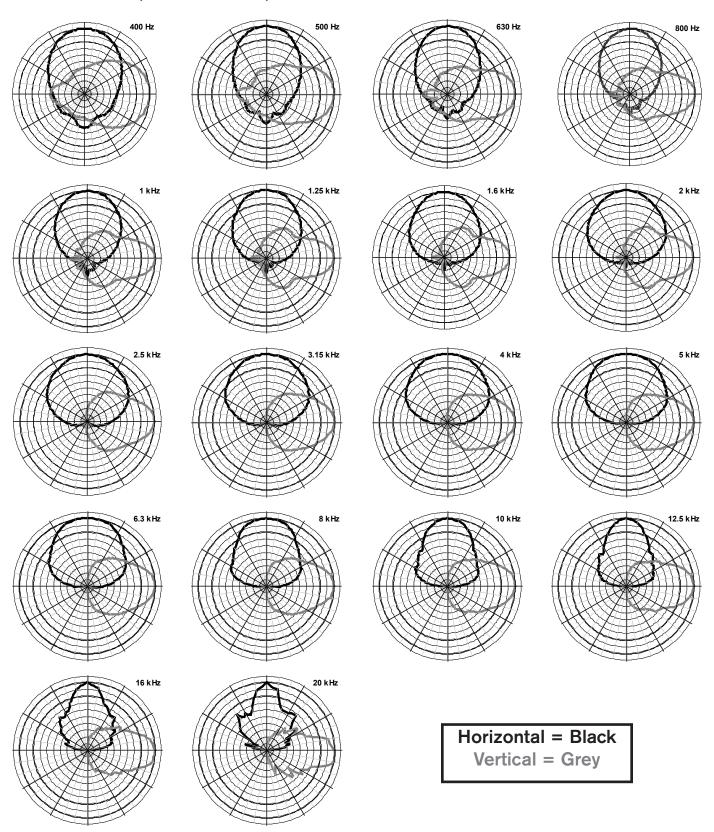
Block Diagram (biamp):



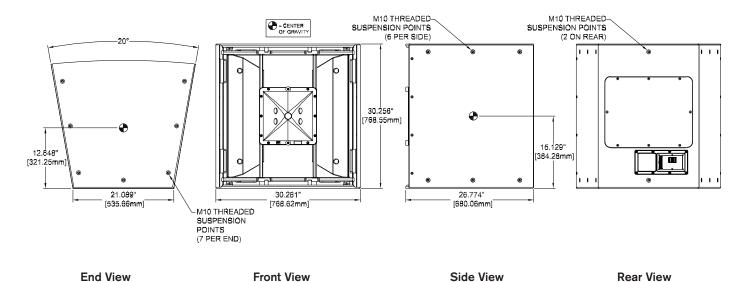
Block Diagram (passive):



Polar Plots (1/3 Octave):



Dimension Drawings:



EVH-1152D/94 Product Descriptions

- EVH-1152D/94-BLK, 90° x 40°, Black Finish
- EVH-1152D/94-WHT, 90° x 40°, White Finish
- EVH-1152D/94-PIB, 90° x 40°, Black Finish, Weather Resistant
- EVH-1152D/94-PIW, 90° x 40°, White Finish, Weather Resistant
- EVH-1152D/94-FGB, 90° x 40°, Black Finish, Weather Resistant **Fiberglass**
- EVH-1152D/94-FGW, 90° x 40°, White Finish, Weather Resistant **Fiberglass**

CAUTION /

This EVH loudspeaker should be suspended overhead only in accordance with the procedures and limitations specified in the EVF/EVH User 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

- EVH-1152D/43, 40° x 30° Coverage
- EVH-1152D/64, 60° x 40° Coverage EVH-1152D/66, 60° x 60° Coverage
- EVH-1152D/96, 90° x 60° Coverage
- EVH-1152D/99, 90° x 90° Coverage
- EVF-2121S, Dual 12" Bass Element
- EVF-2151D, Dual 15" Bass Element CPS2.9, 120V Power Amplifier, 2 x 900W
- CPS2.12, 120V Power Amplifier, 2 x 1200W
- CPS4.5, 120V Power Amplifier, 4 x 500W
- CPS4.10, 120V Power Amplifier, 4 x 1000W

Accessories

- CDNL4. Cover Plate. Dual NL4
- CSG, Cover Plate, Single Gland Nut
- CDG, Cover Plate, Dual Gland Nut
- TK-150, 70V Transformer, 150W
- HRK-2B, Horiz. Rigging Kit, EVF-SUB, Black
- HRK-2W, Horiz. Rigging Kit, EVF-SUB, White
- HRK-3B, Horiz. Rigging Kit, EVH, Black
- HRK-3W, Horiz. Rigging Kit, EVH, White
- VRK-2B, Vert. Rigging Kit, EVF-SUB, Black
- VRK-2W, Vert. Rigging Kit, EVF-SUB, White VRK-3B, Vert. Rigging Kit, EVH, Black
- VRK-3W, Vert. Rigging Kit, EVH, White

Electro-Voice

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www.electrovoice.com

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Phone: 952/884-4051. Fax: 952/884-0043

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: + 1 952 887-9212

For warranty repair or service information, contact the Service Repair department at: 800/685-2606

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