**EVH-1152S/99**

**Single 15” Two-Way Coaxial**

**90° x 90° Full-Range**

**High Efficiency**

**Loudspeaker System**

---

**Key Features:**
- ND2B 2” (51mm) Diaphragm, 1.4” (36mm) Exit Pure Titanium Compression Driver
- SMX2151 15” (381mm) LF Transducer with Fully Symmetric Drive
- Advanced 4th Order Crossover Network with HF Protection
- Coverage Pattern: 90° x 90° Constant Directivity™ Rotatable Waveguides
- 104 dB Sensitivity, 137 dB Maximum SPL
- System Rating: 500W Continuous, (2000W Peak)
- Active Rating: LF400W/HF40W Continuous (1600W/160W Peak)
- (28) M10 Threaded Suspension Points
- PI Version Available with Gland Nut and Stainless Steel Grille

**General Description:**

The Electro-Voice® EVH-1152S/99 is a high power, 2-way Horn loaded coaxial loudspeaker system that can be used in a variety of applications where excellent quality sound reinforcement, wide bandwidth directivity control, and high efficiency are required in a compact package.

The EVH-1152S/99 utilizes an ND2B and an SMX2151. The ND2B is a high output 2” titanium compression driver, coupled to a rotatable 12” x 12” Constant Directivity™ 90° x 90° waveguide. The new SMX2151 is a high output, low distortion 15” woofer. Developed by EV engineering the motor, suspension, and electrical characteristics of the woofer are optimized to maximize efficiency and minimize distortion. The passive crossover network employs 24 dB/octave slopes for a smooth response in the vocal range, linear off-axis response, and features a comprehensive protection circuit for long term reliability. This combination of technologies results in a smooth response to 16 kHz and excellent pattern control down to 500Hz.

The EVH-1152S/99 features make it ideal for any fixed install application. The trapezoidal enclosure is constructed out of 13 ply, 18mm birch, and coated with EVCoat™ for maximum protection from the elements. PI weather resistant models uses a stainless steel grill grille backed with multiple material layers to prevent weather or humidity ingress. The EVH family of models employ an intelligent combination of superior acoustic design and rigging which allow for vertical and horizontal clusters to be built using any combination of loudspeakers from the entire EVF & EVH Series. 28 suspension points for use with rated eyebolts or EV – I cluster hardware provide low cost, simple rigging solutions. With 5 horn patterns to choose from and an assortment of low frequency and subwoofer loudspeakers, EVH provides you the tools to easily design a custom tailored solution, no matter what the application or budget. The innovative input panel can be customized to one of three input choices, including a phoenix style connector (included in all standard models), dual NL4 type connectors, or a gland nut cover plate (for weatherizing applications). An externally accessible jumper selects passive or active operation. An available 70.7/100 Volt transformer kit can be easily installed for use in distributed systems.

---

**Technical Specifications:**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freq. Response¹ (-3 dB)</td>
<td>60 Hz - 15 kHz</td>
</tr>
<tr>
<td>Freq. Range¹ (-10 dB)</td>
<td>50 Hz - 16 kHz</td>
</tr>
<tr>
<td>Rec. Hipass Frequency</td>
<td>60 Hz</td>
</tr>
<tr>
<td>Axial Sensitivity</td>
<td>104 dB (1W/1m)</td>
</tr>
<tr>
<td>Max. Calculated SPL</td>
<td>137 dB</td>
</tr>
<tr>
<td>Horizontal Coverage</td>
<td>90°</td>
</tr>
<tr>
<td>Vertical Coverage</td>
<td>90°</td>
</tr>
<tr>
<td>Power Handling</td>
<td>500W Continuous, 2000W Peak</td>
</tr>
<tr>
<td>LF Transducer</td>
<td>SMX2151, 15 in (381mm) Driver</td>
</tr>
<tr>
<td>HF Transducer</td>
<td>ND2B, 2 in (51mm) Diaphragm</td>
</tr>
<tr>
<td>Compression Driver</td>
<td></td>
</tr>
<tr>
<td>Crossover Frequency</td>
<td>1300 Hz</td>
</tr>
<tr>
<td>Nominal Impedance</td>
<td>8 Ohms</td>
</tr>
<tr>
<td>Minimum Impedance</td>
<td>6.0 Ohms</td>
</tr>
<tr>
<td>Connectors</td>
<td>(2) 4 Contact 10 AWG (2.6mm) Phoenix/EuroBlock Style Screw Terminals</td>
</tr>
<tr>
<td>Enclosure Material</td>
<td>13 Ply Weather Resistant Birch</td>
</tr>
<tr>
<td>Grille</td>
<td>16 GA Galvanneal, Powdercoat, with Rotatable Logo</td>
</tr>
<tr>
<td>Suspension</td>
<td>(28) M10 Threaded Points</td>
</tr>
<tr>
<td>Dimensions (H x W x D)</td>
<td>(30.26” x 30.26” x 26.77” (768.6mm x 768.6mm x 680.1mm)</td>
</tr>
<tr>
<td>Net Weight</td>
<td>143 lbs (64.9 kg)</td>
</tr>
<tr>
<td>Shipping Weight</td>
<td>158 lbs (71.8 kg)</td>
</tr>
</tbody>
</table>

¹ Half Space Measurement.

---

**Live For Sound**

www.electrovoice.com
EVH-1152S/99 Loudspeaker System

Frequency Response & Impedance:

Vertical Off Axis Frequency Response:

Beamwidth:

Directivity:

Block Diagram (Biamp):

Block Diagram (Passive):
Polar Plots (1/3 Octave):

Horizontal = Black
Vertical = Grey
CAUTION

This EVH Loudspeaker should be suspended overhead only in accordance with the procedures and limitations specified in the EVF/EVH Users 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.

EVH-1152S/99 Product Descriptions

- EVH-1152S/99-BLK, 90° x 90°, Black Finish
- EVH-1152S/99-WHT, 90° x 90°, White Finish
- EVH-1152S/99-PIB, 90° x 90°, Black Finish, Weather Resistant
- EVH-1152S/99-PIW, 90° x 90°, White Finish, Weather Resistant
- EVH-1152S/99-LGB, 90° x 90°, Black Finish, Fiberglass
- EVH-1152S/99-LGW, 90° x 90°, White Finish, Fiberglass

Performance Match

- EVF-1121S, 12" Bass Element
- EVF-1151S, 15" Bass Element
- EVF-1181S, 18" Bass Element
- EVH-1152S/64, Coaxial 60° x 40° Coverage
- EVH-1152S/66, Coaxial 60° x 60° Coverage
- EVH-1152S/69, Coaxial 90° x 40° Coverage
- EVH-1152S/66, Coaxial 90° x 60° Coverage
- EVH-1152S/96, Coaxial 90° x 60° Coverage
- 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

- CDN4, 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