Key Features:

- DH7N 3" (76 mm) diaphragm, 1.4" (36 mm) exit pure titanium compression driver
- DVX3151A 15" (381 mm) LF transducer with fully symmetric drive
- Advanced fourth-order crossover network with HF protection
- Coverage pattern: 90° x 90° Constant Directivity™ 12" rotatable waveguide
- 100 dB sensitivity, 134 dB maximum SPL
- System rating: 600 W continuous, 2400 W peak
- Active rating: LF 500 W/HF 75 W continuous (2000 W/300 W peak)
- (22) M10 threaded suspension points
- PI version available with gland nut and stainless-steel grille
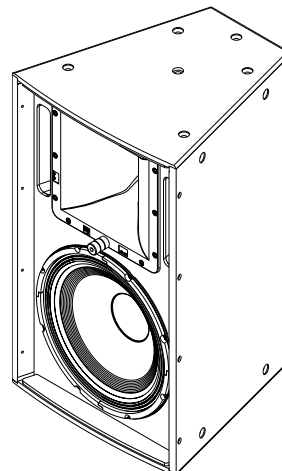
General Description:

The Electro-Voice EVF-1152D/99 is a high-power, two-way loudspeaker system that can be used in a variety of applications where high-quality sound reinforcement is required in a compact, lightweight package.

The EVF-1152D/99 utilizes the DH7N, a high-output 3" titanium compression driver, coupled to a Constant Directivity™ 90° x 90° waveguide. The DVX3151A 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.

The EVF-1152D/99's features make it ideal for many fixed-install applications. The trapezoidal enclosure is constructed of weather-resistant birch, and coated with EVCoat™ for maximum protection from the elements. 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 low-frequency 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. Response[1] (-3 dB):	70 Hz - 18 kHz
Freq. Range[1] (-10 dB):	40 Hz - 21 kHz
Rotatable Coverage:	90° x 90°
Rec. High-Pass Frequency:	45 Hz
Passive Crossover Freq.:	1300 Hz
Axial Sensitivity[1]:	100 dB (1 W/1 m)
Max. Calculated SPL[1]:	134 dB
Passive Power Handling[2]:	600 W continuous, 2400 W peak
Impedance:	8 ohms (nominal), 6.0 ohms (min.)
LF Transducer - DVX3151A, 15" (381 mm) driver	
LF Axial Sensitivity[4]:	100 dB (1 W/1 m)
LF Max. Calculated SPL:	133 dB
LF Power Handling[3]:	500 W continuous, 2000 W peak
LF Impedance:	8 ohms (nominal), 7.2 ohms (min.)
HF Transducer - DH7N, 3" (76 mm) diaphragm compression driver	
HF Axial Sensitivity[4]:	110 dB (1 W/1 m)
HF Max. Calculated SPL:	135 dB
HF Power Handling[3]:	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	PI Version - CDG dual-gland-nut input panel cover included
Enclosure:	13-ply weather-resistant birch with EVCoat™	
Grille:	16 GA powder-coated galvanneal with rotatable logo	PI Version - Stainless steel with hydrophobic cloth
Environmental:	IEC 60529 IP55 for PI version	
Suspension:	(22) M10 threaded suspension points	
Dimensions (H x W x D):	30.26" x 18.50" x 18.37" (768.6 mm x 469.8 mm x 466.6 mm)	
Weight:	75.7 lb (34.4 kg) net, 86.0 lb (39.1 kg) shipping	

[1] Half-space measurement.
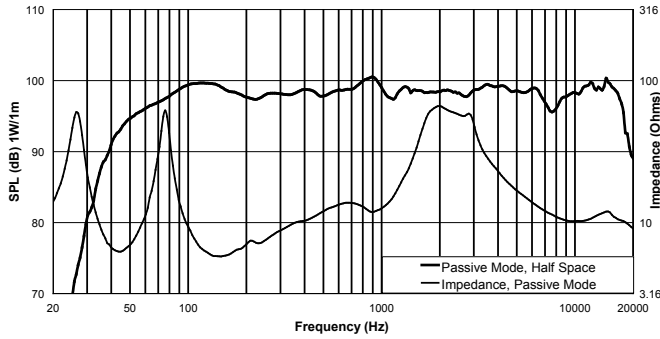[2] EIA RS-426A, tested for eight hours.
[3] AES 2-1984, tested for eight hours.
[4] Arithmetic averages, 300 - 1,300 Hz (LF) and 1,300 - 5,000 Hz (HF).

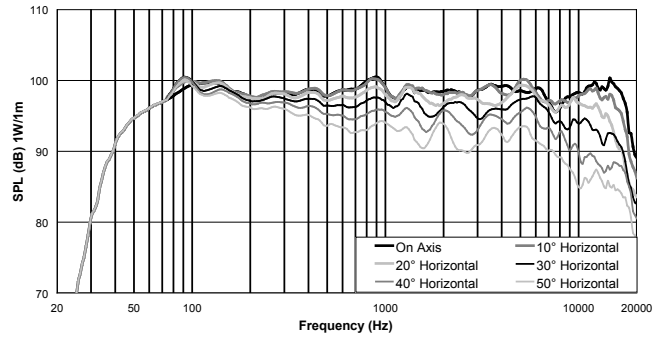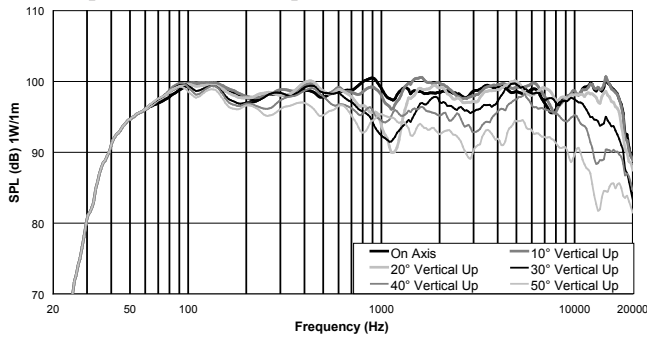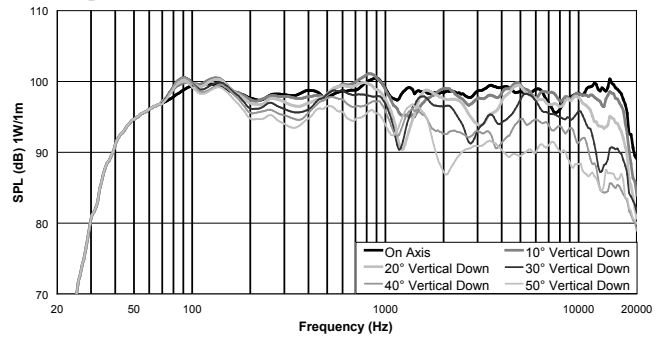# EVF-1152D/99 Loudspeaker System

Frequency Response & Impedance:

SPL (dB) 1W/1m — Impedance (Ohms) — Frequency (Hz)

Legend:
- Passive Mode, Half Space
- Impedance, Passive Mode

Horizontal Off-Axis Frequency Response:

SPL (dB) 1W/1m — Frequency (Hz)

Legend:
- On Axis
- 10° Horizontal
- 20° Horizontal
- 30° Horizontal
- 40° Horizontal
- 50° Horizontal

Vertical Off-Axis Frequency Response (Up):

SPL (dB) 1W/1m — Frequency (Hz)

Legend:
- On Axis
- 10° Vertical Up
- 20° Vertical Up
- 30° Vertical Up
- 40° Vertical Up
- 50° Vertical Up

Vertical Off-Axis Frequency Response (Down):
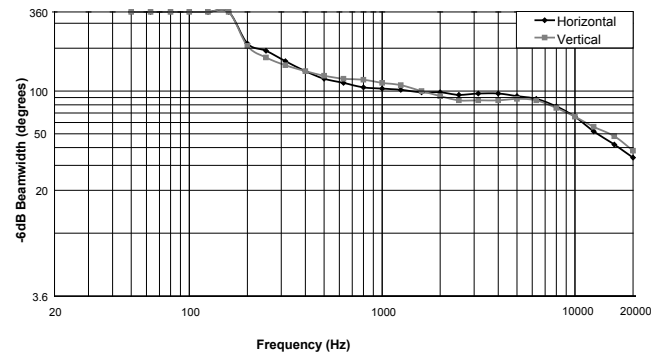
SPL (dB) 1W/1m — Frequency (Hz)

Legend:
- On Axis
- 10° Vertical Down
- 20° Vertical Down
- 30° Vertical Down
- 40° Vertical Down
- 50° Vertical Down

Beamwidth:

-6dB Beamwidth (degrees) — Frequency (Hz)

Legend:
- Horizontal
- Vertical

Directivity:

Directivity Index (DI), dB — Directivity Factor (Q) — Frequency (Hz)

Block Diagram (biamp):

HF − +
LF − +
Passive Limiter
DH7N
DVX3151A

Block Diagram (passive):

THRU
− +
HPF
Passive Limiter
DH7N
LPF
DVX3151A

Polar Plots (1/3 Octave):

400 Hz	500 Hz	630 Hz	800 Hz

1 KHz	1.25 KHz	1.6 KHz	2 KHz

2.5 KHz	3.15 KHz	4 KHz	5 KHz

6.3 KHz	8 KHz	10 KHz	12.5 KHz

16 KHz	20 KHz
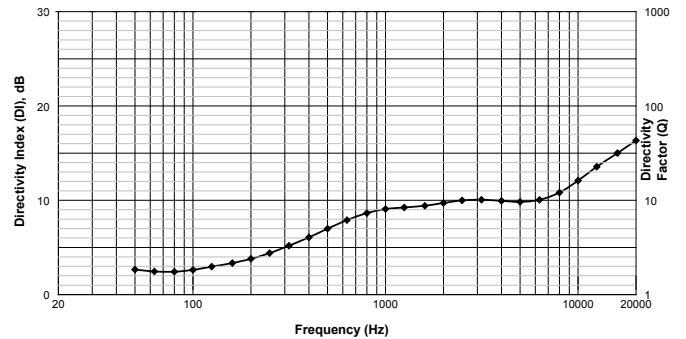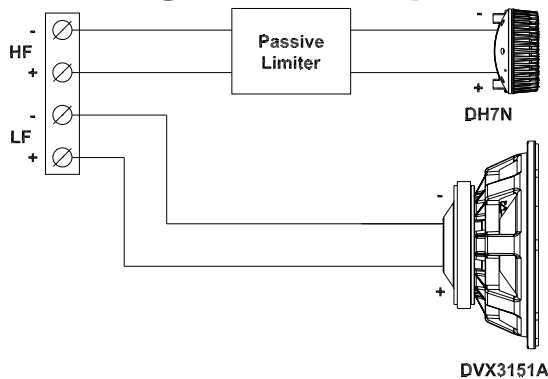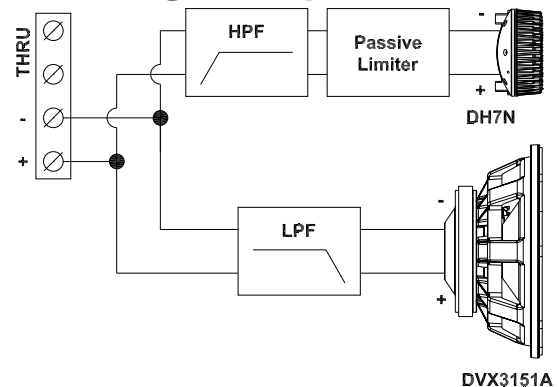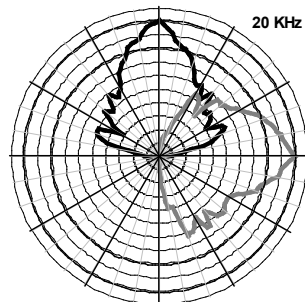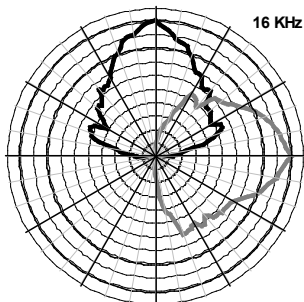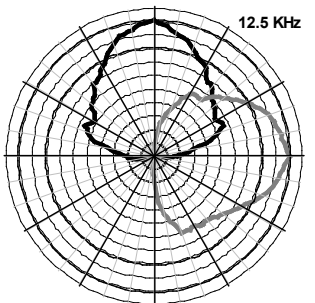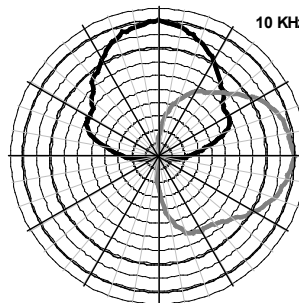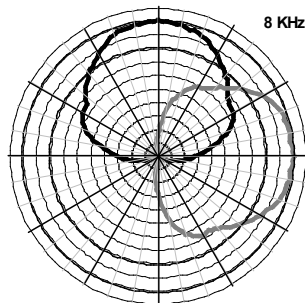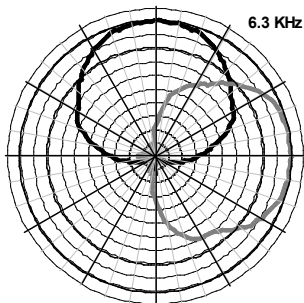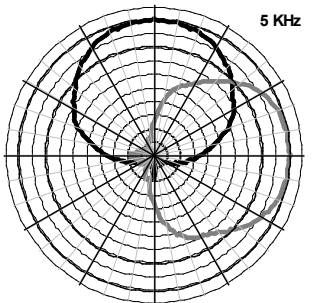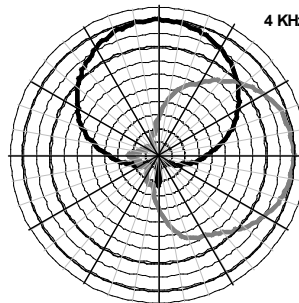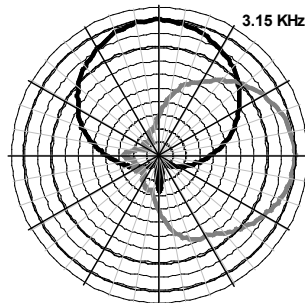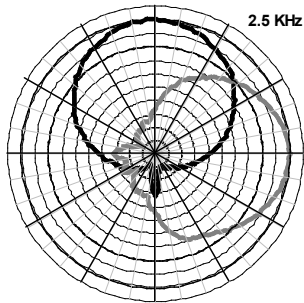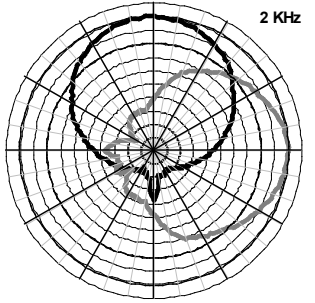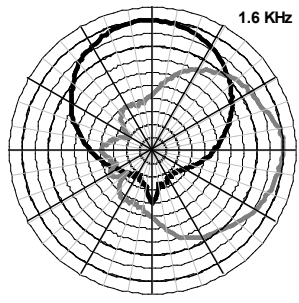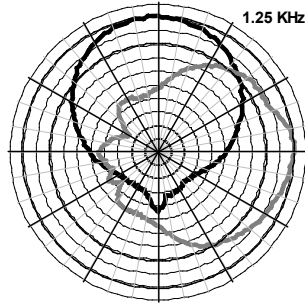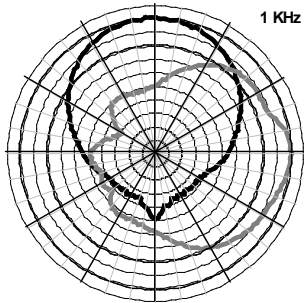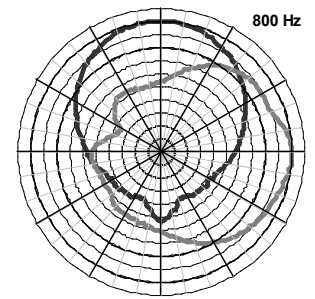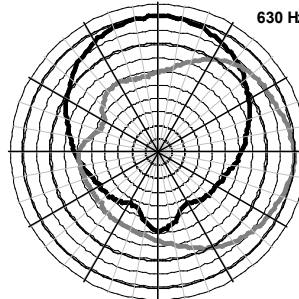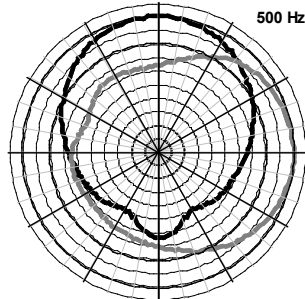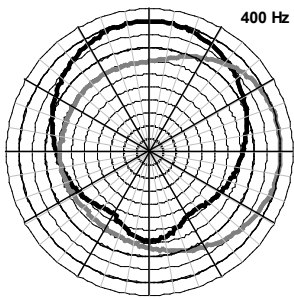
Horizontal = Black
Vertical = Grey

Dimension Drawings:

= CENTER OF GRAVITY

30°

9.930"
[252.22mm]

9.000"
[228.60mm]

M10 THREADED
SUSPENSION
POINTS
(5 PER END)

End View

30.258"
[768.55mm]

18.498"
[469.84mm]

Front View

M10 THREADED
SUSPENSION
POINTS
(4 PER SIDE)

M10 THREADED
SUSPENSION
POINTS
(2 ON REAR)

14.531"
[369.09mm]

18.369"
[466.57mm]

Side View

Rear View
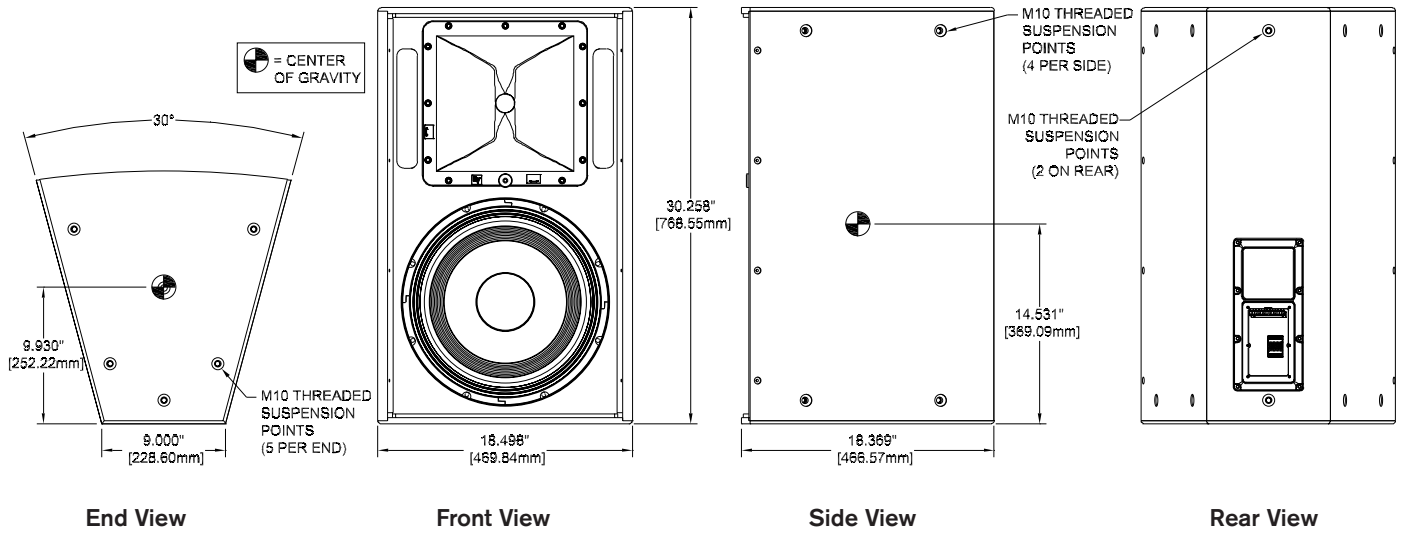
EVF-1152D/99 Part Numbers

- PRD000299-001   EVF-1152D/99-BLK, 90° x 90°, black finish
- PRD000299-002   EVF-1152D/99-WHT, 90° x 90°, white finish
- PRD000299-003   EVF-1152D/99-PIB, 90° x 90°, black finish, weather resistant
- PRD000299-004   EVF-1152D/99-PIW, 90° x 90°, white finish, weather resistant
- PRD000299-005   EVF-1152D/99-FGB, 90° x 90°, black finish, weather resistant fiberglass
- PRD000299-006   EVF-1152D/99-FGW, 90° x 90°, white finish, weather resistant fiberglass

⚠ CAUTION ⚠

This EVF 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

- PRD000288   EVF-1122D/64, 60° x 40° coverage
- PRD000289   EVF-1122D/66, 60° x 60° coverage
- PRD000290   EVF-1122D/94, 90° x 40° coverage
- PRD000291   EVF-1122D/96, 90° x 60° coverage
- PRD000292   EVF-1122D/99, 90° x 90° coverage
- PRD000293   EVF-1122D/126, 120° x 60° coverage
- PRD000294   EVF-1152D/43, 40° x 30° coverage
- PRD000295   EVF-1152D/64, 60° x 40° coverage
- PRD000296   EVF-1152D/66, 60° x 60° coverage
- PRD000297   EVF-1152D/94, 90° x 40° coverage
- PRD000298   EVF-1152D/96, 90° x 60° coverage
- PRD000300   EVF-2121S, dual 12" bass element
- PRD000302   EVF-2151D, dual 15" bass element
- CPS2.9 120V   CPS2.9, 120V power amplifier, 2 x 900W
- CPS2.12 120V   CPS2.12, 120V power amplifier, 2 x 1200W
- D170469   CPS4.5, 120V power amplifier, 4 x 500W
- D170466   CPS4.10, 120V power amplifier, 4 x 1000W

Accessories

- ACC000084-000   CDNL4, cover plate, dual NL4
- ACC000085-000   CSG, cover plate, single gland nut
- ACC000086-000   CDG, cover plate, dual gland nut
- ACC000087-000   TK-150, 70V transformer, 150W
- ACC000089-001   HRK-1B, horiz. rigging kit, EVF, black
- ACC000089-002   HRK-1W, horiz. rigging kit, EVF, white
- ACC000090-001   HRK-2B, horiz. rigging kit, EVF-SUB, black
- ACC000090-002   HRK-2W, horiz. rigging kit, EVF-SUB, white
- ACC000091-001   HRK-3B, horiz. rigging kit, EVH, black
- ACC000091-002   HRK-3W, horiz. rigging kit, EVH, white
- ACC000092-001   VRK-1B, vert. rigging kit, EVF, black
- ACC000092-002   VRK-1W, vert. rigging kit, EVF, white
- ACC000093-001   VRK-2B, vert. rigging kit, EVF-SUB, black
- ACC000093-002   VRK-2W, vert. rigging kit, EVF-SUB, white
- ACC000094-001   VRK-3B, vert. rigging kit, EVH, black
- ACC000094-002   VRK-3W, vert. rigging kit, EVH, white
- ACC000100-001   EVF-UB-BLK, u-bracket kit, EVF, black
- ACC000100-002   EVF-UB-WHT, u-bracket kit, EVF, white