

ZX5-90PI

15-inch Two-Way Passive 90° x 50°, 600W Weather-Resistant Loudspeaker System



Key Features:

- All Weather IEC 529, IP44, & MIL810
 Environmental Specs
- DVX3150 15" LF Transducer with Forced Air Cooling
- ND2 2" Voice Coil, 1" Exit Neodymium Compression Driver
- 90° x 50° Coverage Pattern
- 600W Continuous (2400W) Power Handling
- High Sensitivity, 132 dB Maximum SPL
- 3 Anchor Plates for Single Stud Fittings and
 10 Integral Suspension Points
- Complete Mounting Solutions



The Electro-Voice Zx5-90Pl features a molded polymer enclosure that is inherently water resistant. The addition of a multilayer grille with hydrophobic cloth and a gland nut input connection completes it for a highly weather resistant system. The Zx5 is the new standard of no compromise audio performance and versatility in a simple to use, compact package.

At its heart are the transducers. First is the DVX3150 high performance low frequency transducer. EV used advanced computer aided design techniques to create forced air, directional voice coil cooling for high power and efficiency. Finite element analysis was used to optimize the suspension and magnetic structure for long, linear travel to provide low distortion and greater LF extension. These features and details, such as forged magnetic components and special materials, provide reliability with a 500W power rating in a lightweight transducer. Next is the ND2, a 2-inch voice coil compression driver based on neodymium motor structure to allow for maximum output while reducing size and weight to a minimum. Its precision phasing plug and titanium diaphragm provide better HF performance, while the integral heatsink provides cooling for high power output.

The high tech enclosure uses injection-molded high-impact polypropylene structural foam to make the Zx5 incredibly durable. The enclosure geometry elements have been carefully designed to provide maximum rigidity and bass response.

Two coverage patterns are available; 60° x 60° coverage for long-throw and cluster applications, 90° x 50° coverage for wider coverage or shorter distances

The Zx5 is equipped with three anchor plates for rigging with single studfittings, along with two more possible anchor plate attachment points on the bottom. For permanent suspension or attaching brackets, the Zx5 also has two M8 inserts on the top and bottom, two under the handle, and four on the back of the enclosure, for a total of 10.



Technical Specifications:

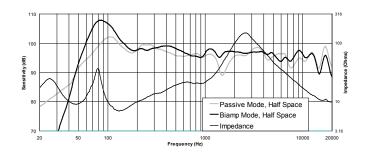
Freq. Response ¹ (-3 dB):	58 Hz - 18 kHz
Freq. Range ¹ (-10 dB):	39 Hz - 20 kHz
Rec. Hipass Frequency:	36 Hz
Axial Sensitivity ¹ :	98 dB (1W/1m)
Max. Calculated SPL:	132 dB
Horizontal Coverage:	90°
Vertical Coverage:	50°
Power Handling (Passive):	600W Continuous, 2400W Peak
LF Power Handling (Biamp):	500W Continuous, 2000W Peak
HF Power Handling (Biamp):	40W Continuous, 160W Peak
LF Transducer:	DVX3150, 15 in (381mm) Driver
HF Transducer:	ND2, 1 in (25.4mm) exit Neodymium Compression Driver
Crossover Frequency:	1.5 kHz
Nominal Impedance:	8 Ohms
Minimum Impedance:	6.5 Ohms
Connectors:	2 Conductor SJO Cable and Gland Nut
Enclosure Material:	Polypropylene Structural Foam
Suspension:	Enclosure has locations for 5 Single-Stud Attachment Plates and 10 Forged Steel Eyebolts - 2 on Top, 2 on Bottom, 2 on Side, and 4 on Rear of Enclosure
Grille:	Polyester Powder Coated, 16GA Galvanized Steel, with Hydrophobic Cloth
Environmental Spec:	IEC 529 IP24 / IP44 (PI Version)
Dimensions (H x W x D):	692mm x 446mm x 411mm (27.26" x 17.57" x 16.16")
Net Weight:	22.2 kg (49.0 lbs)
Shipping Weight:	26.0 kg (57.4 lbs)

¹ Half Space Measurement.

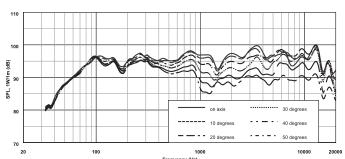


Zx5-90PI Full Range Loudspeaker

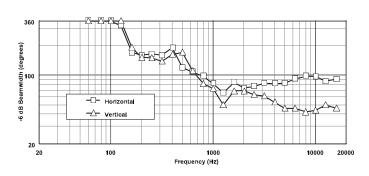
Frequency Response & Impedance:



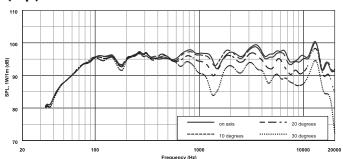
Horizontal Off Axis Frequency Response:



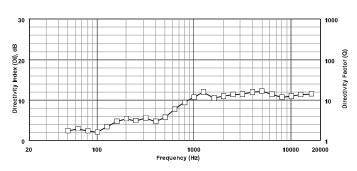
Beamwidth:



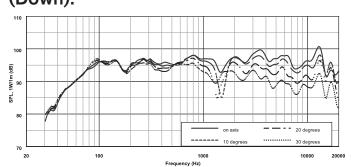
Vertical Off Axis Frequency Response (Up):



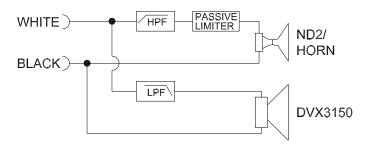
Directivity:



Vertical Off Axis Frequency Response (Down):

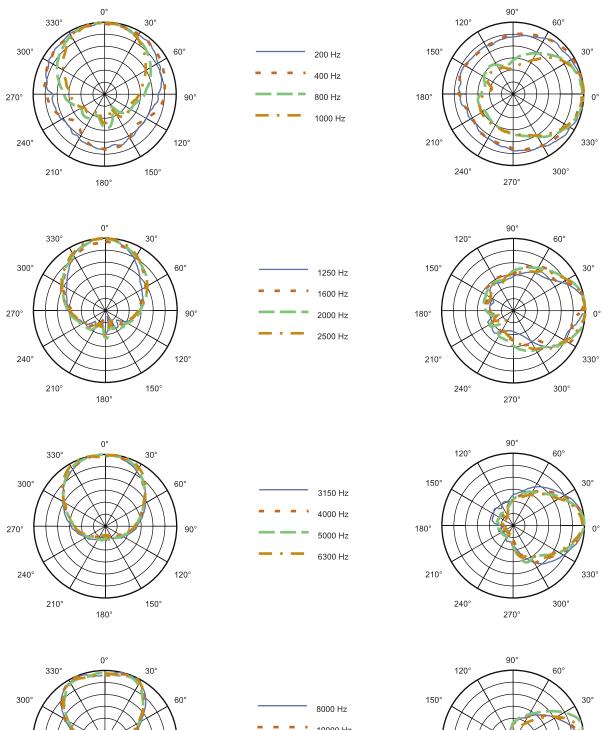


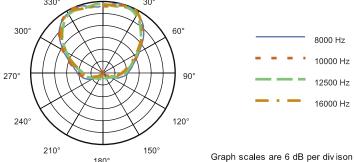
Block Diagram:



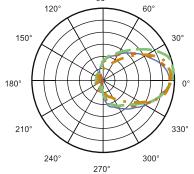
Horizontal Polar Plots (1/3 Octave):

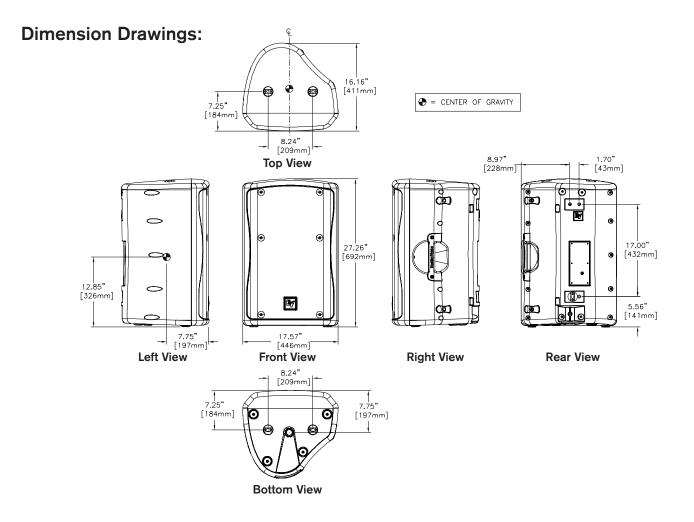
Vertical Polar Plots (1/3 Octave):





180°





⚠ CAUTION **⚠**

This Zx5 Loudspeaker should be suspended overhead only in accordance with the procedures and limitations specified in the Zx5 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.

Zx5 Part Numbers

301523-001	Zx5-90B, 90° x 50° Horn, Black Finish
301523-002	Zx5-90W, 90° x 50° Horn, White Finish
301523-003	Zx5-60B, 60° x 60° Horn, Black Finish
301523-004	Zx5-60W, 60° x 60° Horn, White Finish
301523-005	Zx5-90Pl, 90° x 50° Horn, Black Finish,
	Weather Resistant
301523-006	Zx5-60Pl, 60° x 60° Horn, Black Finish,
	Weather Resistant

Performance Match

٠	301576-001	SbA760, 120V Single 15" Powered Sub, 760W
٠	D170258	CP2200, 120V Power Amplifier, 2 x 800W
•	D170312	CP3000S, 120V Power Amplifier, 2 x 1100W

Accessories

301626-001	MB5-B, Wall/Ceiling Mount Bracket (Black)
301626-002	MB5-W, Wall/Ceiling Mount Bracket (White)
301625-001	CB5-B, Array Bracket Kit (Black)
301625-002	CB5-W, Array Bracket Kit (White)
301634-000	EBK-3, Forged M8 Eyebolt Kit, Set of Three
301633-000	SSK-1, Single-Stud Rigging Kit, Set of Three
301813-001	HDC-5, Heavy-Duty Stackable Cover (Black)
 ACC000012-001 	TCA-1, Truss Clamp Adapter
 ACC000007-001 	VSA-1, Vertical Strong-Arm Mount
301811-001	HA-5, Handle Mount Adapter

Electro-Voice

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www.electrovoice.com

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