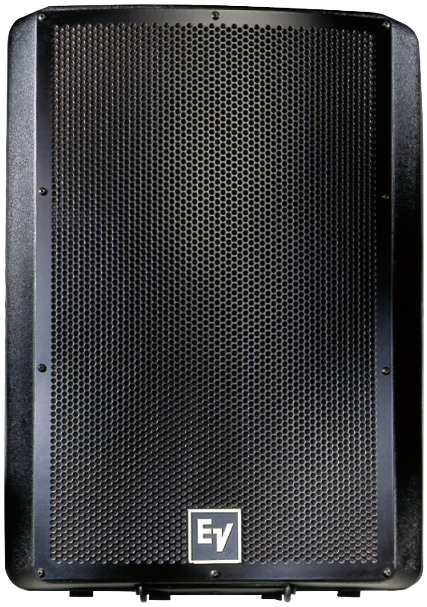
SB122PIX

Single 12” 70.7/100 Volt Weatherized Bass Module

Key Features:

- Very Compact and Lightweight - Only 46 lbs/20.9 kg
- Cast Frame EVS12SB 12-inch High-Excursion Subwoofer Driver
- Integral Low-Pass Filter - No Additional Amplifier or Processor Needed
- Phoenix Style Euro-Block Connectors with Gland Nut Cover
- High Quality Internal 70.7/100V Transformer
- Full Face Stainless Steel Grille with Hydrophobic Cloth



General Description:

The Electro-Voice® SB122PIX bass module is a very compact, lightweight subwoofer system that is designed to add bass enhancement to EV Sx and Zx Series speaker systems running on 70.7V or 100V distributed lines.

The full face weatherized stainless steel grill with hydrophobic cloth inhibits water from entering the port or coming into contact with the woofer. The SB122PIX combines the advantages of a long-throw 12” woofer with a strong, lightweight composite enclosure. The large vent provides less vent compression and turbulence for increased low frequency output.

The EVS12SB cast frame transducer created for the SB122PIX uses the same motor and suspension design as the EVS18S used in EV’s larger systems. With nearly two inches of peak-to-peak excursion capability, this is literally a twelve inch with the heart of an eighteen.

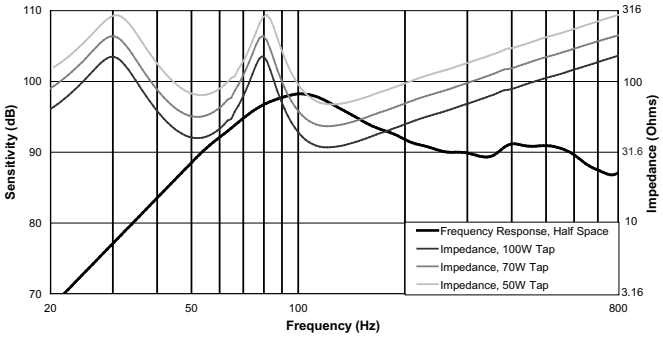
An integral low-pass filter allows the SB122PIX to be directly connected in parallel with a full-range speaker for truly impressive low-end output without the need for an additional amplifier and processor. The filter is transparent below 160Hz, allowing the SB122PIX to be used as an independent subwoofer in biamp applications without the need to disable the internal filter. For maximum output and protection of the driving amplifer against transformer saturation at very low frequencies, a Butterworth 24 dB/octave high pass filter tuned to 50 Hz is recommended.

Technical Specifications:

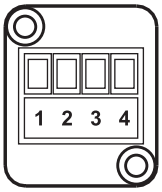
Freq. Response[1] (-3 dB):	63 Hz - 174 Hz
Freq. Range[1] (-10 dB):	44 Hz - 250 Hz
Rec. Hipass Frequency:	50 Hz
Axial Sensitivity[1]:	96 dB (1W/1m)
Max. Calculated SPL:	119 dB@70.7V; 122 dB@100V
Power Handling (Cont.):	100W@70.7V; 200W@100V
Power Handling (Peak):	200W@70.7V; 400W@100V
LF Transducer:	EVS12SB, 12 in (305mm) Driver
Rec. Crossover Freq. Range, Biamp:	80 Hz - 160 Hz
Impedance:	8 Ohms
Connectors:	Phoenix Style Euro-Block with Gland Nut Cover
Grille:	Stainless Steel with Hydrophobic Cloth
Dimensions (H x W x D):	22.7” x 16.9” x 12.3” (577mm x 429mm x 312mm)
Net Weight:	46.0 lbs (20.9 kg)
Shipping Weight:	49.4 lbs (22.4 kg)

[1] Half Space Measurement.

Frequency Response and Impedance:



Connection:



Connection to Transformer Taps		
	70.7 Volt	100 Volt
Pin 4	50W	100W
Pin 3	70W	140W*
Pin 2	100W	200W*
Pin 1	Common	Common
*with recommended high-pass filter		

SB122PIX Part Numbers

- PRD000007-001 SB122PIX, Single 12” Bass Module, Weatherized, Black Finish
- PRD000007-002 SB122PIX-W, Single 12” Bass Module, Weatherized, White Finish

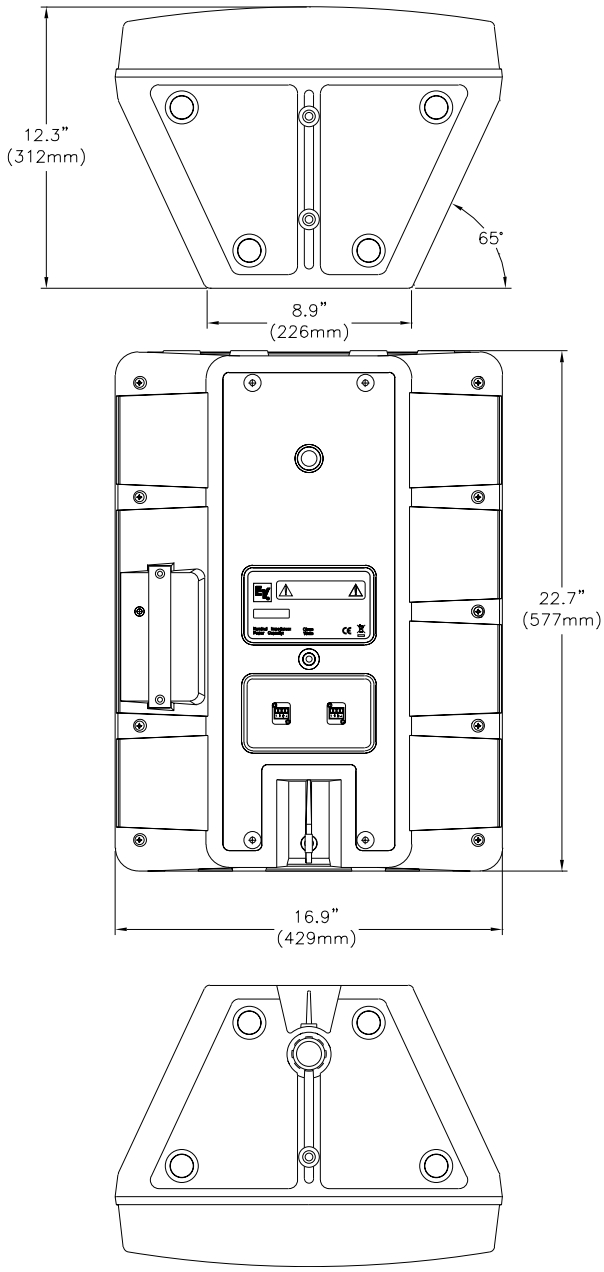
Performance Match

- D170466 CPS4.5 Power Amplifier, 4 x 500W, 120V
- D170465 CPS4.10 Power Amplifier, 4 x 1000W, 120V
- D170463 CPS8.5 Power Amplifier, 8 x 500W, 120V

Accessories

- 7002401 Mb100, Eyebolt Attachment Kit
- 7002393 Mb200, U-Bracket Mounting Kit
- 7002443 Mb300, Horizontal Array Kit using Mb200

Dimension Drawings:



Electro-Voice®

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Part Number LIT000008 Rev 1

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 Internatonal 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**

Specifications subject to change without notice.