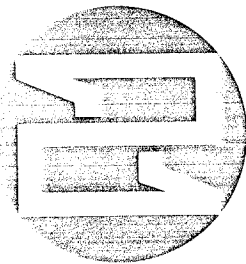


# The Eastern Acoustic Works VB Series of Vented Box Cabinets



## Introduction

Until now, vented box cabinets have usually presented the user with unpalatable compromises. If the box were optimally tuned to the characteristics of a particular driver, then it would be difficult to use that box with another, different driver at a later date. In order to get around this, speaker designers developed cabinets which were tuned to a more general, all encompassing set of specifications; hoping the box would be usable in a greater number of circumstances. All they got was a cabinet which sounded mediocre, most of the time. Eastern Acoustic Works has solved this problem by developing an innovative, interchangeable tuning assembly which allows a single cabinet to be used with most of the commercially available bass drivers, while providing optimum performance and response for each of those drivers.

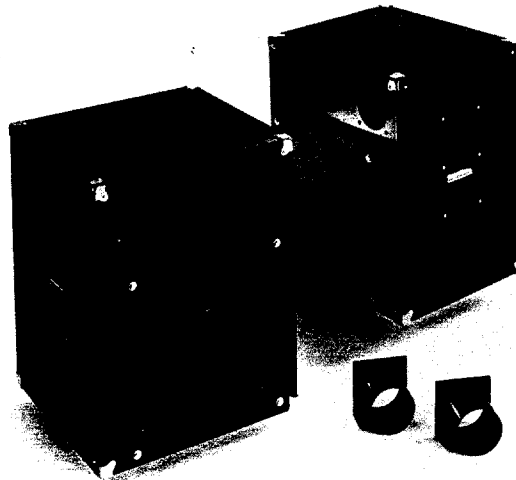
## Design

Through careful analysis of the requirements and applications of vented box cabinets, and by studying the large numbers of commercially available bass drivers, we have designed a range of boxes which will satisfy over 90% of the potential vented box applications. The very latest in vented box synthesis techniques were applied by our chief engineer, Kenton Forsythe. Thus, Eastern Acoustic Work's new series of three different size boxes, each one having an interchangeable tuning system for proper driver alignment. The two larger boxes offer the possibility of six different baffle options, for almost unlimited flexibility.

The design of the VB series allows the user to obtain optimum performance for the drivers of his/her choice. Rather than having to "special order" a custom designed and tuned cabinet, professionals will be able to get "off the shelf" pricing and delivery on semi-custom systems. And it will be easy to update the system and maintain proper alignment, should a change of drivers ever become necessary.

## Construction

Our cabinet construction is simple in appearance, meticulous in nature. The use of cross-grain, laminated birch with 18 plies to the inch, is unusual for this industry. Most manufacturers use four ply woods or particle board for the exterior, seriously diminishing the strength to weight ratio, and increasing the likelihood of troublesome panel resonance. The possibility of chipping or shattering of the exterior surfaces is sharply reduc-



VB-125

ed through the use of these seemingly expensive materials.

Internal design is equally as impressive. Inside surfaces are lined with 3½ inch damping material in order to absorb reflections. In addition, internal bracing minimizes vibrations, even at high drive levels.

If the need to change drivers should ever arise, use of the supplied hardware and quick change clamp assures a fast, efficient conversion. Extra protection is derived from the standard, heavy, perforated steel speaker grilles. And, to insure that the cabinet is available for immediate use, the recessed input plates carry both banana terminals and ¼ inch jacks. Optional 15 amp twist lock connectors are readily available.

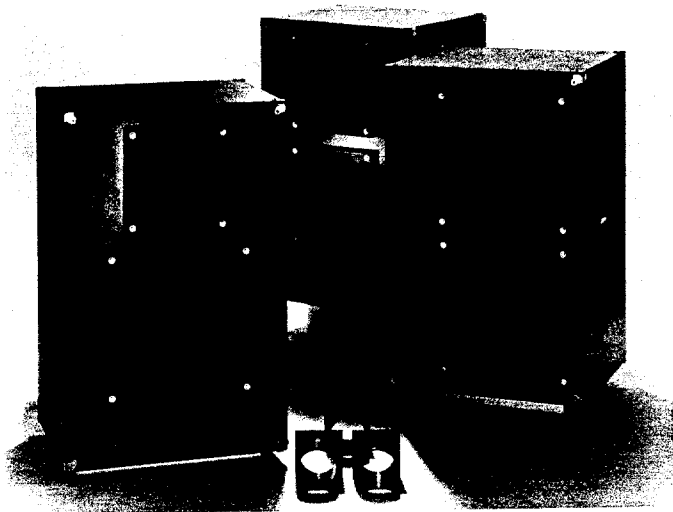
Recessed handles and "roadie" type corners are standard features. Wheels are available at your option.

The two component, catalyzed black polyurethane finish is scuff, moisture and solvent resistant. A considerable improvement over the lacquers normally utilized for this purpose.

## Applications

### VB-125

The VB-125 is a 4.0 cubic foot box intended for use with a single 15 inch driver. Due to its response capability of 38-3,000Hz, the VB-125 can be used on stage or in a studio bass guitar system. It would also be appropriate for low frequency, near field PA bass applications, as well as for providing solid low end for Disco and playback systems.



VB-225 Series

**VB-225**

The VB-225 comes in three different configurations:

**VB-225-01**

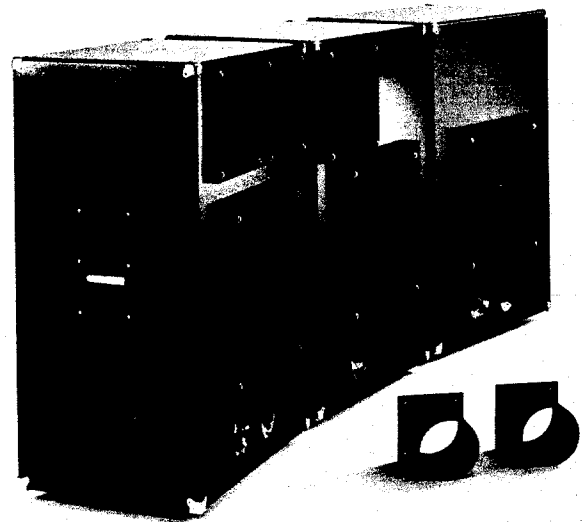
The VB-225-01 is designed to accept two 12 inch bass drivers like the ATC PA-75-314-BLCR, making it ideal for Disco bass, high definition bass guitar, or any nearfield application involving bass.

**VB-225-02**

The VB-225-02 is intended for one 15 inch bass driver and one 10 inch mid driver which is enclosed in a separate, sealed subchamber. This cabinet would be appropriate for use in PA applications, or for better enhancement of bass guitar.

**VB-225-03**

This configuration duplicates that of two VB-125s in that it uses two 15 inch bass drivers to provide excellent bass for most Disco or PA applications.



VB-335 Series

**VB-335**

The VB-335 uses a single 18 inch driver in a 12.26 cubic foot enclosure which will deliver unsurpassed, deep bass at high sound pressure levels. It's especially useful for keyboards or Disco. When combined with a high quality 18 inch bass driver, this cabinet is capable of delivering flat response down to the lowest fundamentals of music. (As low as 28 Hz).

The VB-335 is also available with separate subchambers specifically designed to be used with bass guitar:

**VB-335-04**

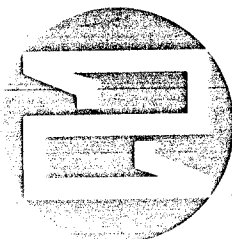
The VB-335-04 will accept a single 12 inch driver in its subchamber, and a single 18 inch bass driver in its 10.19 cubic foot enclosure.

**VB-335-05**

The VB-335-05 houses two 10 inch drivers in its subchamber, as well as an 18 inch woofer in the 8.95 cubic foot bass enclosure. It's especially useful for delivering the "punchy" sound of a bass guitar.

**Specifications**

Model	Bass Enclosure Volume	Bass Driver Size	Mid-Bass Driver Size	Dimensions			Net Weight
				Height	Width	Depth	
VB-125	4.0 ft. <sup>3</sup>	(1) 15"	NA	24 7/16"	19 11/16"	17 3/4"	40 lbs.
VB-225-01	8.4 ft. <sup>3</sup>	(2) 12"	NA	36 7/16"	23 13/16"	19 3/4"	69 lbs.
VB-225-02	6.3 ft. <sup>3</sup>	(1) 15"	(1) 10"	36 7/16"	23 13/16"	19 3/4"	77 lbs.
VB-225-03	8.4 ft. <sup>3</sup>	(2) 15"	NA	36 7/16"	23 13/16"	19 3/4"	69 lbs.
VB-335	12.26 ft. <sup>3</sup>	(1) 18"	NA	42 5/16"	29 13/16"	19 3/4"	80 lbs.
VB-335-04	10.19 ft. <sup>3</sup>	(1) 18"	(1) 12"	42 5/16"	29 13/16"	19 3/4"	90 lbs.
VB-335-05	8.95 ft. <sup>3</sup>	(1) 18"	(2) 10"	42 5/16"	29 13/16"	19 3/4"	90 lbs.



**Eastern Acoustic Works, Inc.**

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