

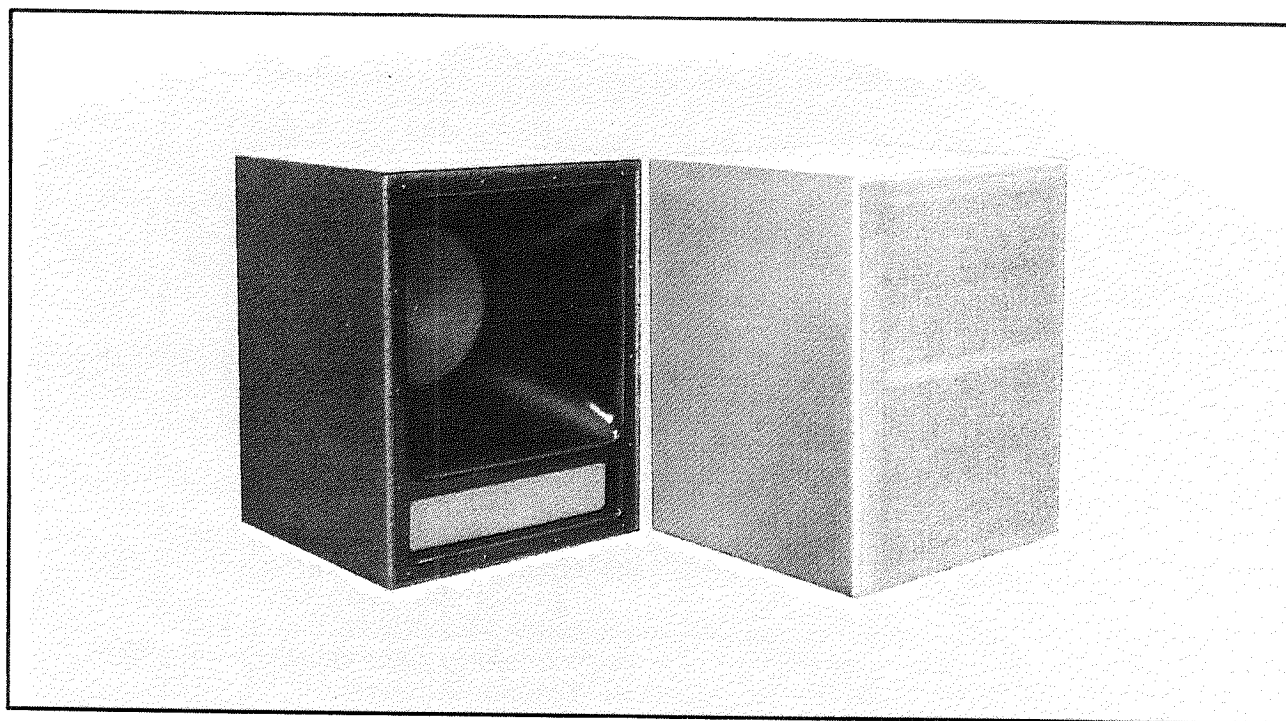
Community

SYSTEM SERIES

VB790

VENTED BASS HORN

- Precision molded horn
- Integral ducted port
- Accepts 15" or 18" driver
- Compact package



VB790 VENTED BASS HORN

The VB790 is a compact vented bass horn design. It may be used with either a 15" or 18" driver and is capable of extending low frequency response. This design, a refinement of the classic single driver ported horn, offers a multitude of options for those in need of a single driver bass unit. The VB790 is offered both as a complete enclosure system or with any combination of components included or excluded.

When used with the 18" speaker provided, the VB790 delivers excellent bass response down to 40Hz. This version of the system was designed to be the auxiliary woofer for the RS440 four-way system. In this application it provides a significant increase in the LF power capacity of the RS440 system. When used with a 15" speaker the VB790 is an excellent bass section of the standard two way system. The tuned port can be

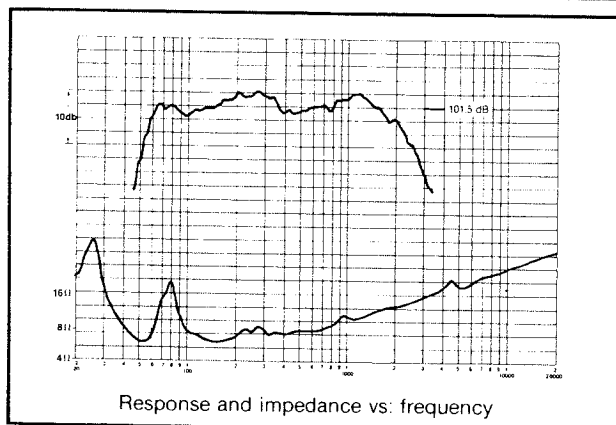
partially blocked to optimize the box frequency for different loudspeakers.

The faceplate of the VB790 is a precision molded fiberglass structure that incorporates both the LF horn flare and the ducted tuning port. The use of molded fiberglass permits optimum horn design, particularly in the throat area; extensive balsa core reinforcement and heavy wall construction insure rigid, non-resonant operation at the highest power levels.

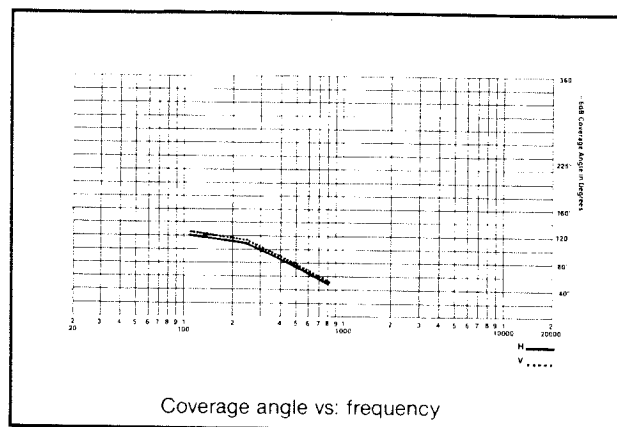
The enclosure of the VB790 is constructed of 3/4" plywood and has a black spatter enamel finish. The GP version of the VB790 has a medium grey cabinet finish and a neutral grille, for use in fixed installations requiring unobtrusive loudspeaker performance.

SYSTEM SERIES

VB790



Response and impedance vs: frequency



Coverage angle vs: frequency

VB790 SPECIFICATIONS

OPERATING RANGE: 1

40Hz - 1200Hz

POWER HANDLING: 1

200 Watts continuous pink noise

SENSITIVITY: 1

104dB 1 Watt at 1 Meter, 45Hz - 800Hz

COVERAGE PATTERN:

See chart of coverage angle vs. frequency

CONSTRUCTION:

Flare: hand laminated fiberglass, gloss black finish. Flare Rate: 70Hz

Enclosure: 3/4" plywood, black spatter coat finish.

CONNECTORS:

1/4" phone jacks

DIMENSIONS:

32-3/4"H x 25-1/2"W x 24"D

WEIGHT:

115 pounds

1. with factory installed 15" or 18" driver

ACCESSORIES

VB790-LP

A 12dB/octave low-pass filter network for use with the VB790-RS440 combined system. The VB790-LP is installed in the VB790 cabinet and provides the proper HF roll-off curve, to match the RS440.

GRILLE 40

Optional black grille

ROAD KIT-40

A set of eight corners and two handles with fasteners.

VB790 VERSIONS

VB790-LOADED 18

Complete factory assembled unit, loaded with a high-power 18" loudspeaker. Black spatter-coat cabinet.

VB790-LOADED 15

Complete factory assembled unit, loaded with a high-power 15" loudspeaker. Black spatter-coat cabinet.

VB790GP-LOADED 18

Complete factory assembled unit, loaded with a high-power 18" loudspeaker. Neutral grey cabinet finish with a neutral grille.

VB790GP-LOADED 15

Complete factory assembled unit, loaded with a high-power 15" loudspeaker. Neutral grey cabinet finish with a neutral grille.

VB790-FLARE + ENCLOSURE

Fiberglass horn flare and black spatter-coat cabinet. Driver not included.

VB790GP-FLARE + ENCLOSURE

Fiberglass horn flare and neutral grey cabinet finish with neutral grille.

VB790-FLARE + 18

Fiberglass horn flare and high power 18" driver. Cabinet not included. (cabinet plans available upon request)

VB790-FLARE + 15

Fiberglass horn flare and high power 15" driver. Cabinet not included. (cabinet plans available upon request)

VB790 FLARE ONLY

Fiberglass horn flare only. Driver and cabinet not included. (cabinet plans available upon request)



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