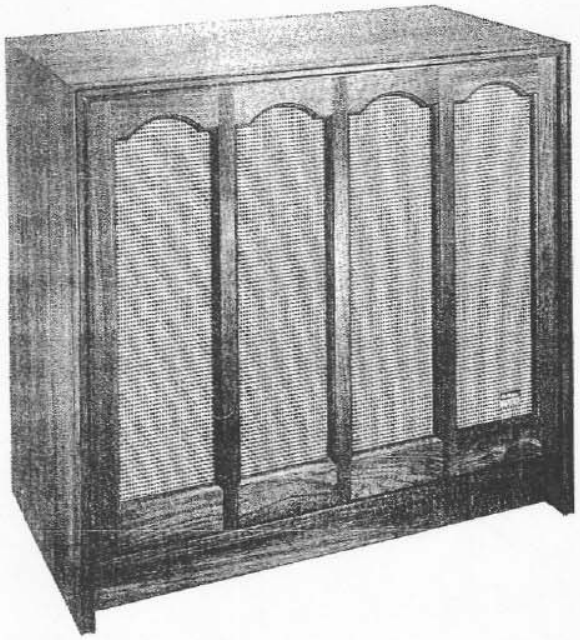
Electro-Voice® ENGINEERING DATA

E-V SIX LOUDSPEAKER SYSTEM

MODEL 884



FEATURES

- Four-way system utilizes separate drivers to obtain unequaled response and minimum distortion
- Eighteen-inch woofer for clean bass reproduction
- Highest quality audio components throughout
- Enclosure of select hardwoods carefully matched to components

DESCRIPTION

The Electro-Voice E-V SIX is a distinguished four-way reproducer offering the finest possible listening quality for its size and price range. The use of four separate drivers, each handling a special portion of the audible spectrum, permits vastly lower distortion and wide frequency range. Carefully matched to the driver components and constructed of selected hardwoods, the E-V SIX enclosure is a superb combination of fine furniture design and acoustical excellence.

The overwhelming superiority of the low-frequency response delivered by the E-V SIX is the result of its massive 18-inch low-frequency driver. This unit, the largest in any system except the Electro-Voice Patrician 800, comprises a pressure-cast frame, a four pound, ten ounce ceramic magnet, edgewise-wound voice coil, one-half inch thick foam cone, and a remarkably linear suspension which allows long, yet carefully controlled, excursions. The 250 to 800 cps frequency range is handled by a specially designed eight-inch driver which provides true-to-life reproduction of the important mid-bass frequencies. A die cast chassis, edgewise-wound voice coil and ceramic magnet are also features of this remarkable unit. The critical presence range from 800 to 3500 cps is reproduced by an entirely new mid-range driver and diffraction horn combination which utilizes the latest in precision injection molding techniques. Lowest possible distortion is assured through the use of a ring-type diaphragm rather than one of the conventional dome types. Diaphragm breakup is thus virtually eliminated. Ultra-precise high-frequency response is delivered by a deluxe compression VHF driver and diffraction horn. Typical of the care lavished on this outstanding reproducer are the heavily chrome-plated housing and silvered-aluminum voice coil. A four-way electrical crossover, with crossover frequencies at 250, 800 and 3500 cps, provides smooth transition from one driver unit to the next. Highest quality electrical components and etched circuit board construction are employed to assure greater power handling capacity and crossover-frequency accuracy.
The E-V SIX system in traditional styling, is available in hand-rubbed oiled walnut and mahogany finishes.

SPECIFICATIONS

FREQUENCY RESPONSE:	30 to 20,000 cps
NOMINAL IMPEDANCE:	8 ohms
POWER HANDLING CAPACITY:	
PROGRAM:	35 watts
PEAK:	70 watts
DIMENSIONS:	30" h X 32" w X 17-1/2" d
FINISHES AVAILABLE:	Oiled walnut or mahogany
CABINET STYLE:	Traditional
SHIPPING WEIGHT:	107 lbs.

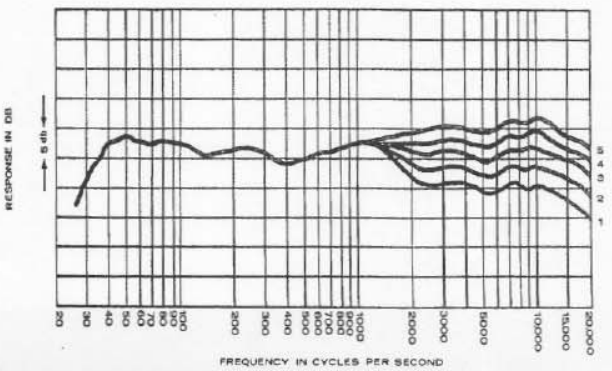


Figure 1 - Frequency Response

PLACEMENT

The E-V SIX may be placed at any convenient location in the listening room. As with any loudspeaker system, placement in a room corner assures maximum efficiency and bass reproduction, since the room walls are thus made an integral part of the system, acting as the sides of a large horn,

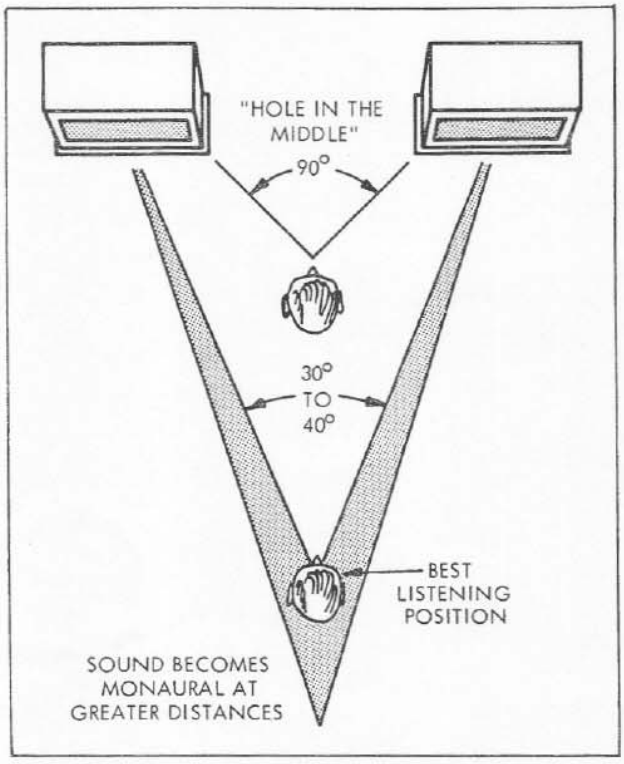


Figure 2 - Placement For Stereo

For stereophonic reproduction, the two E-V SIX systems should be far enough apart to permit the listener to sit at the apex of a 30° to 40° angle as shown. A distance of six to eight feet between stereo speakers will, in most arrangements, provide natural separation. Placing loudspeakers too close together or listening at too great a distance will destroy the stereo effect, since essentially monophonic sound will be heard by the listener. Extreme spacing between speakers or listening at too short a distance will produce exaggerated and unreal separation. In long rooms, the loudspeakers should be placed along one of the short walls facing into the long room dimension. This improves bass reproduction and provides good stereo listening over most of the room.

AMPLIFIER CONNECTIONS TO THE E-V SIX

The E-V SIX system has a nominal impedance of eight ohms. Connection should therefore be made between the left terminal (T1) and the amplifier eight-ohm terminal; the right terminal (T2) should be connected to the amplifier COMMON terminal (sometimes identified as "O" or "C"). Connections should be made with No. 18 or larger wire; "zip" or lamp cord is quite satisfactory. If the speaker leads are to run behind a molding strip or under a carpet, 300-ohm TV twin lead should be used.

ADJUSTMENT OF BALANCE CONTROL

The E-V SIX system is equipped with a unique five-position step-type control offering precise adjustment of the system to room acoustics and personal tastes. The action of this switch is shown in the frequency response curves. Switch position 3, which provides a "flat" frequency response will be approximately correct in most instances. Note, however, that room acoustics influence the response of any loudspeaker system, and proper use of the balance control will permit adjustment of the system to any listening room. The best guide to setting the control properly is, of course, a familiarity with sound of live music. Acoustically "hard" or "live" rooms normally will require a retarded setting of the controls to compensate for the greater amount of high-frequency reflection. In "soft" or "dead" rooms with carpeting, draperies and soft furniture, a more advanced setting of the control usually will be required. In addition, the balance control permits adjustment of the reproduced sound to one's personal taste without the distortion normally encountered in amplifier tone controls. That setting which provides the most pleasing overall sound to the listener is correct.

CUSTOMER SERVICE

The E-V SIX system is packed to provide protection well in excess of shipping requirements of the Interstate Commerce Commission. If shipping damage does occur, contact the carrier, requesting inspection and instructions, or the dealer from whom the unit was purchased. The E-V SIX is guaranteed indefinitely against defects in original workmanship and materials. Should your system become damaged or develop faulty operation from unusual conditions of use, please write to the Electro-Voice Service Department requesting return authorization and shipping instructions. Be certain to mention the make and model number of other components used in the system.

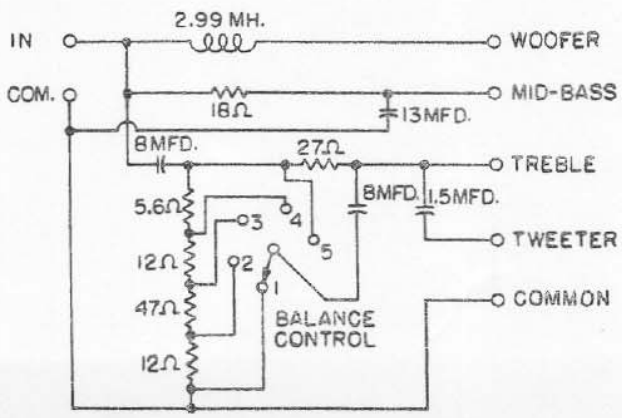


Figure 3 - Schematic Diagram