



Figure 1 - Dimensions

DESCRIPTION AND APPLICATIONS

The Electro-Voice SuperCaster ™ is a compact, widerange, integrated loudspeaker system capable of handling large amounts of power. The speaker was specifically designed to handle vocal and guitar music efficiently and without distortion, while providing high sound levels and unexcelled performance. The handsome design of the SuperCaster is in keeping with its performance specifications. With a sleek black case, contrasting faceplate, and chrome trim, the SuperCaster complements any decor in any surroundings.

The SuperCaster is ideally suited for use as a sound reinforcement speaker for performers on stages, in schools, community auditoriums, meeting halls, restaurants, etc. It can also be used as a "home practice" speaker for musicians. Additionally, the attractive Electro-Voice SuperCaster will perform reliably, delivering wide-range music and crisp clear speech at dances, rallies, picnics, and outdoor concerts.

Excellent bass response in a unit of such modest size is achieved by use of a special 12-inch wide-range driver, and through optimum design of the bass reflex enclosure. The full range of frequencies is smoothly and efficiently radiated by this extremely attractive and durable fullrange speaker.

POWER HANDLING CAPACITY

In an effort to provide a meaningful power rating, the frequency spectrum of a lead guitar in several prominent groups was band-analyzed. A filter was designed that would shape white noise (a noise similar to betweenstation FM radio noise, consisting of all frequencies from 20 to 20,000 Hz) to the typical lead guitar spectrum. The electric guitar frequency spectrum is far more demanding at the frequency extremes than voice or conventional music program material. The filtered white noise was fed into the SuperCaster at various levels to determine the power handling capacity. The results indicated the capacity is 80 watts.

Rugged construction of the SuperCaster is achieved through the use of a one-piece compression molded housing. The material is highly resilient glass-filled polyester.

All parts of the SuperCaster are weatherproofed and fungus-proofed for reliable operation under all weather conditions. The speaker may be used in portable applications, and may also be mounted permanently in any position for high quality sound coverage. The mounting bracket easily converts to a carrying handle, permitting complete portability of this powerful system.

Careful design of this system has achieved a rich musical balance without loss of clarity or speech intelligibility. This is particularly important in applications which require use of the SuperCaster as both a vocal and musical instrument system.

SPECIFICATIONS

Frequency Response: 80 - 8,000 HzDispersion: 100 degrees EIA Pressure Rating: 49 db Sound Pressure Level: 115 db at 4 ft. on axis

with full power input Power Handling Capacity: 80 watts

continuous RMS power white noise Mounting: Universal "U" bracket (Housing designed to stand stably on any flat surface)

Size: 211/2" h. x 211/2" w. x 81/2" d. Weight: 30 pounds SUPERCASTER HIGH POWER (1) T MAKER SYSTE

simplest, particularly when the system may be difficult to reach, since it will not be necessary to support the weight of the entire system while positioning and attaching the bracket. Because the SuperCaster is fully weatherproofed, it may be mounted at any angle. For portable applications, the mounting bracket may be adjusted to an upright position to serve as a carrying handle. The housing of the SuperCaster is designed to stand stably on any flat surface so that it may be positioned on any table or horizontal surface.

POSITION: The SuperCaster should be carefully directed toward the area to be covered by sound. Best sound coverage will be obtained within a 100 degree angle from the front of the unit with both vertical and horizontal coverage identical. Improved bass response will be achieved by locating the SuperCaster adjacent to a wall, or ideally, in a corner. Corner mounting provides maximum bass response.

Avoid locating microphones in the general area in front of the speaker to reduce the possibility of feedback. When used indoors, the speakers should be positioned so that the projected sound does not bounce off highly reflective walls into the microphone(s).

be connected to the T2 terminal of the next.

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS The outer housing shall be of one-piece, rectangular, compression molded construction. The unit shall be attractively styled with black body, contrasting faceplate, and chrome trim. The material shall be glass-filled polyester. The back panel shall be of weatherproof, oiltempered, pressed-board construction. A "U" mounting bracket, suitable for use as a portable carrying handle, shall be provided. The housing shall be designed so as to allow it to remain stable when placed on a flat horizontal surface. A protective screen shall be provided to shield the loudspeaker. The speaker shall be weatherproof and fungus proof. The cone speaker shall be 8 ohm nominal impedance and have a 12-inch nominal diameter. Terminals shall be phased. The frequency response shall be 80 to 8,000 Hz. Dispersion shall be 100 degrees. The EIA pressure level rating shall be 49 db. The sound pressure level at 4 feet on axis with full power (80 watts) input shall be 115 db. Power handling capacity shall be 80 watts continuous RMS white noise shaped to the lead guitar spectrum. Size shall not exceed 21½ inches high by 21½ inches wide and 8½ inches deep. Net weight shall be 30 pounds. The Electro-Voice SuperCaster is specified.