



DESCRIPTION AND APPLICATIONS

The Electro-Voice Model 636 "Slimair" is an omnidirectional microphone of the dynamic type with only one moving element. The slim, trim, styling of the Model 636 is specifically designed to provide the flexibility and ruggedness required for general public address use.

Incorporating the exclusive Electro-Voice Acoustalloy® diaphragm material, the Model 636 is nearly impervious to extremes of temperature and humidity. The mechanical nesting principle of design by which the internal parts of the Model 636 are closely fitted one within another results in a mechanical structure that is nearly impervious to damage from mechanical shock.

The Model 636 is supplied with built-in blast filter of acoustically treated wire mesh grille which minimizes wind and breath blasts. The case may be swiveled 90° on the microphone stud which is provided with standard 5/8-27 thread for mounting on an upright stand. The stud is easily removed from the stand when the microphone is to be carried by hand.

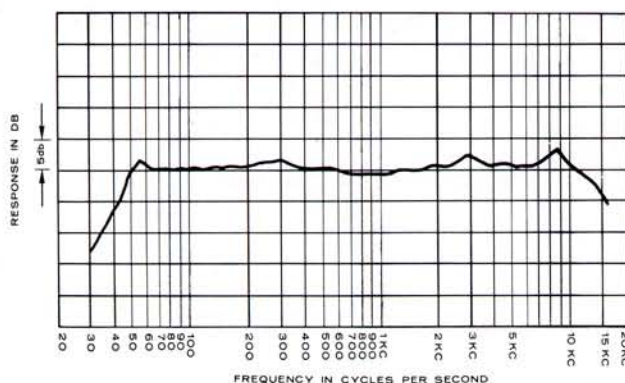


Figure 1-Frequency Response

FEATURES

- Slim, trim styling
- Very smooth response
- Mechanical nesting construction — nearly impervious to shock

SPECIFICATIONS

Generating Element: Dynamic omnidirectional
Frequency Response: Uniform 60 to 13,000 cps.
(See Figure 1)

Polar Pattern: Omnidirectional. (Fig. 2)

Impedance: 150 ohm and high impedance. 150 ohm impedance is balanced to ground. The microphone is wired for high impedance unless 150 ohm is requested.

Impedance selection: Selection is made at cable plug to change from high to 150 ohm impedance, move white lead at terminal No. 2 to terminal No. 3.
Output level: 150 ohms, -58db*, EIA Sensitivity Rating, -152db. Hi-Z impedance, -58db, **EIA Sensitivity Rating, -54 db.

*0 db equals 1 mw/10 dynes/cm²

**0 db equals 1 volt/dyne/cm²

Diaphragm: Electro-Voice Acoustalloy®

Case Material: Steel

Dimensions: Diameter, 1-1/8", length 10-1/4"
See Figure 3.

Finish: Satin chrome. Also available in gold finish.

Net weight: 15 oz.

Switch: On-off switch, sliding contact shorts microphone element in off position.

Cable: 15-foot, 2-conductor, shielded synthetic rubber jacketed, broadcast type equipped with Model MC4M Amphenol connector.

Stand Coupler: 5/8 in. - 27 thread on stud.

Optional accessories: 418 S desk stand.

Warranty: The Electro-Voice Model 636 microphone is guaranteed against defects in workmanship and materials.

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The microphone shall be an Electro-Voice Model 636 or equivalent. The microphone shall be an omnidirectional, dynamic type with wide range, uniform response from 60 to 13,000 cps. The diaphragm shall be nonmetallic Acoustalloy and shall have a magnetic shield to prevent dust and iron particles from reaching the diaphragm. The available impedances shall be 150 ohms and high impedance. It shall be possible to obtain the impedance desired by moving one connection in the microphone connector. Lines shall be balanced to ground on low impedance and phased. The output level for 150-ohm impedance shall be -58 db with 0 db equalling 1 mw/10 dynes/cm². Output level for high impedance shall be -58 db with 0 db equalling 1 volt/dyne/cm². EIA Sensitivity Rating shall be -152 db for 150-ohm impedance and -154 db for high impedance. The magnetic circuit shall be a nonwelded circuit and employ Alnico V and Armco magnetic iron. The case shall be made of steel. The microphone shall have a maximum diameter of 1-1/8 in., and a length of 10-1/4 in. including stud. Net weight less cable shall be 15 oz. including stud. Finish shall be satin chrome (if 636G, finish shall be decorative gold.) A 15

ft. two-conductor, shielded, synthetic rubber jacketed broadcast type cable shall be provided. The microphone shall have a built-in cable connector similar or equivalent to the Amphenol Model MC4F connector which will mate with connector similar or equivalent to the Amphenol MC4M. It shall be possible to tilt the microphone through a 90-degree arc. The Electro-Voice Model 636 is specified (or the Electro-Voice Model 636G is specified).

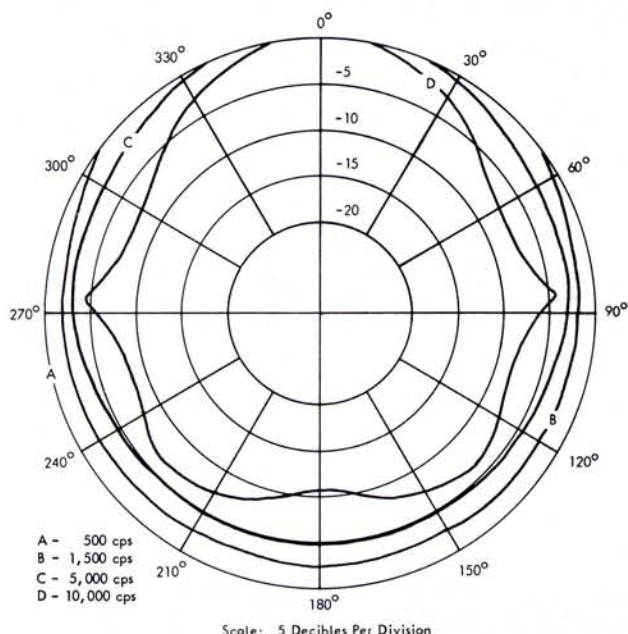


Figure 2-Polar Pattern

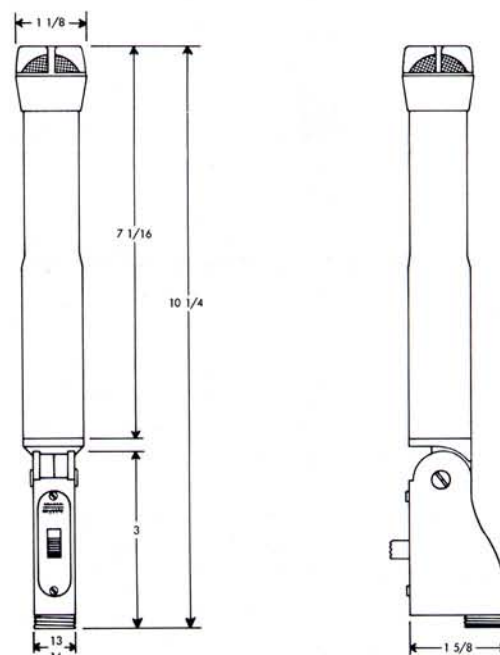


Figure 3-Dimensions

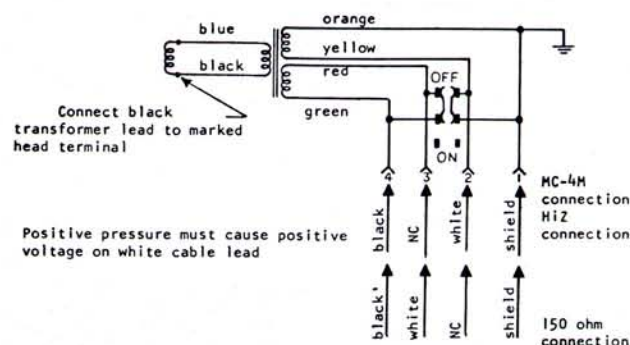


Figure 4-Wiring Diagram