

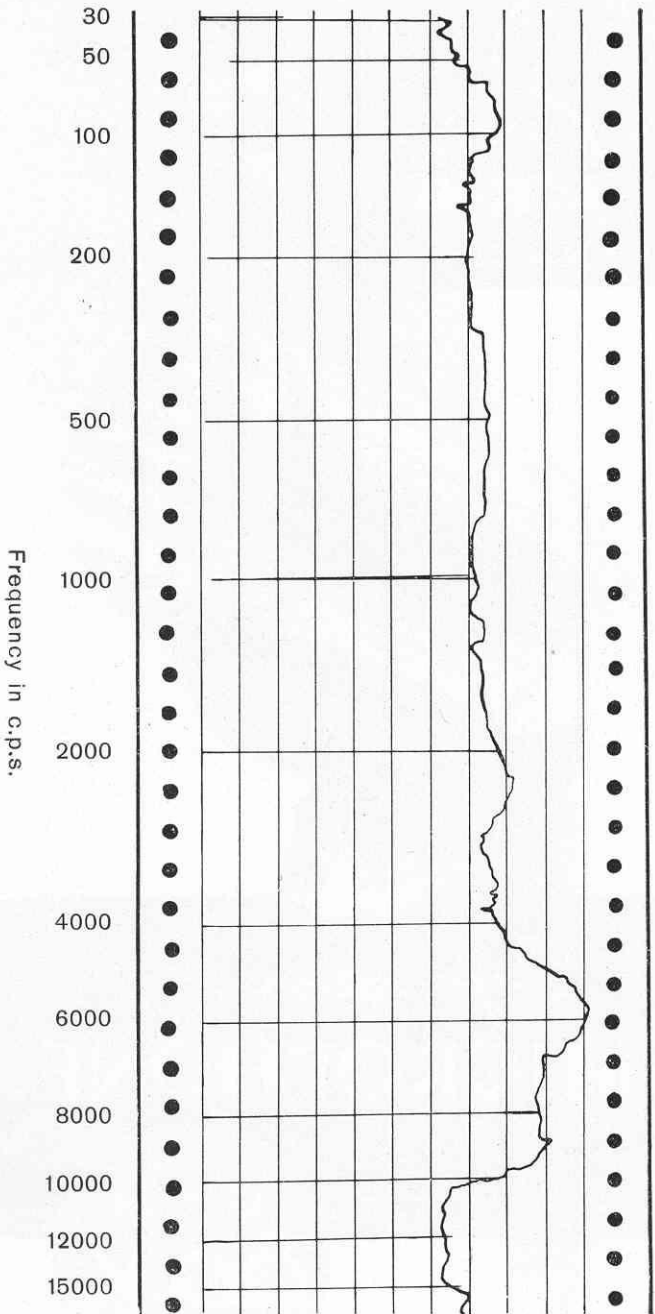


STURSA

*Dynamic*  
**MICROPHONE**

DYN  
**60K**  
\*

Frequency response at 0° angle of sound incidence



Sound pressure (1 division = 5 db)

Fig. 1

The DYN 60 K Microphone is a pressure receiver operating on the moving coil principle. By virtue of the powerful anisotropic magnet used, it is highly sensitive despite its small size. The DYN 60 K is practically omni-directional owing to its diameter of only  $1\frac{3}{8}$ " ; it is equally suitable for all kinds of open air and inside pick-up, for the transmission of large sound bodies or for close talking. No preamplifier or batteries being required near the microphone, its application is made safer and easier.

**Frequency Response.** The frequency response curve for  $0^\circ$  angle of sound incidence is shown in fig. 1. It confirms the impression gained by aural test, of both music and speech being rendered with a high degree of fidelity. The 6 db rise of the response curve around 6000 cps. is a useful means of correcting the drop in the frequency response curve of most cone type loudspeakers, at roughly this frequency.

**Directional Characteristics.** Tests also show that up to approx. 3000 cps. the DYN 60 K is purely non-directional. Only at the higher frequencies is there a certain amount of directional effect which, however, must in many cases be regarded as an advantage.

**Sensitivity.** The DYN 60 K delivers an output voltage of 1 mV/ $\mu$ bar at 1000 cps.

**Internal Resistance.** The moving coil of the DYN 60 K, having an impedance of 60 ohms at 1000 cps., is directly connected to the terminals.

**Maximum Length of Leads.** Owing to its low impedance, the DYN 60 K may be used with leads up to approx. 600 ft. in length, the actual maximum being determined by the total resistance of the cable used.

**Matching.** For best results the use of a step-up transformer having a ratio of from 1:20 to 1:30, between the microphone and the grid of the first amplifier tube, is advisable. Care should be taken to choose a transformer having a sufficiently good frequency characteristic, so as not to impair the high quality of the microphone itself. A transformer designed for 200 ohms input impedance can be used without detrimental effect on the frequency response of the microphone. In order to avoid hum pick-up from stray fields (power transformers etc.) care should be given to efficient magnetic shielding and suitable positioning of the transformer. Due to the low impedance of the microphone, shielding of the microphone leads is not absolutely essential.

**Waterproofness.** The surface of all metal parts being specially treated, and fine mesh wire gauze being used to protect the sensitive parts, the microphone is weatherproof to a high degree.

**Shock and Wind Sensibility.** The moving coil principle itself and the robust design make the DYN 60 K practically shock and windproof.

**Dimensions:** See fig. 2

**Weight:** 13 ozs.

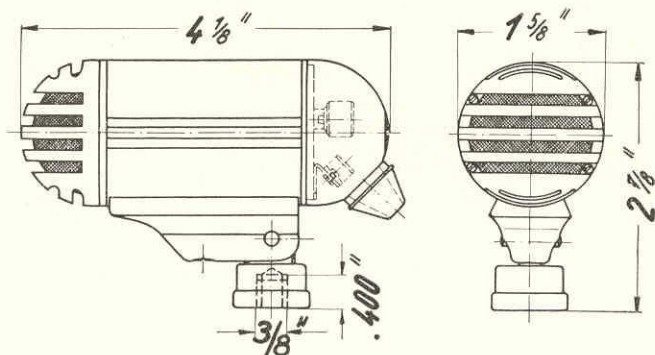


Fig. 2

A PRODUCT OF  
**AKUSTISCHE U. KINO-GERÄTE  
GES. M. B. H.**

NOBILEGASSE 50  
VIENNA XV, AUSTRIA

PRINTED IN AUSTRIA