



MICROPHONES • HEADPHONES

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NORTH AMERICAN PHILIPS COMPANY, INC.  
100 EAST 42nd STREET, NEW YORK, NEW YORK 10017

# CARDIOID Dynamic Microphone



## D-24E



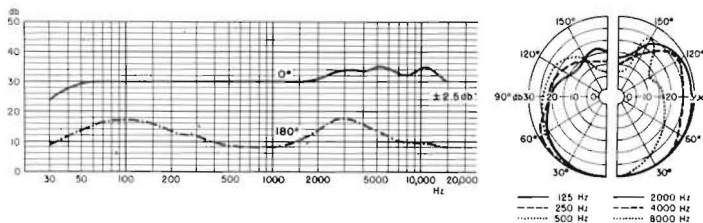
### DESCRIPTION

The professional studio microphone; the "star" of screen and television which has brought about a revolution in microphone design. The D-24E is a laboratory calibrated and adjusted cardioid microphone with extended frequency range and smooth response (an individually plotted frequency response curve is supplied with each microphone as visual proof of its performance characteristics). The bass may be attenuated by 10 db to increase speech intelligibility or to eliminate low frequency resonance. Low impedance only (for Hi impedance use U-212E Cable Transformers).

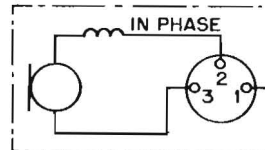
The D-24E is supplied with a stand adapter, 15' cable with Cannon XLR-3 connector and case.

### TECHNICAL DATA

|                             |                            |
|-----------------------------|----------------------------|
| Frequency response          | 30-18,000 Hz $\pm$ 2.5 db  |
| Sensitivity                 | -53 db                     |
| Impedance                   | 60 or 200 ohms (specify)   |
| Directional characteristics | Cardioid                   |
| Bass attenuation switch     | 0 and -10 db at 50 Hz      |
| Dimensions                  | 6½" long, 1-9/16" diameter |
| Net Weight                  | 6 ounces                   |



### CONNECTION DIAGRAM



### ACCESSORIES

- W-24 .....Windscreen
- H-24 .....Anti-shock suspension
- SA-10/3.....Stand adapter (around connector)
- MK.....Series Cables
- AKG .....Standard and anti-shock stands

### ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The microphone shall be a cardioid dynamic type with a frequency range of 30 to 18,000 Hz, and the frequency response shall be  $\pm$  2.5 db. The front-to-back discrimination shall exceed 18 db at 1,000 Hz at a sound incidence angle of 180°, and an effective cardioid pattern shall be maintained over the entire frequency range.

The output level shall be -53 db (re 1 mW/10 dynes/cm<sup>2</sup>) at 200 ohms impedance ( $\pm$  15%), and the microphone shall be capable of handling a maximum sound pressure level of 400 ubar (126 db SPL), with distortion not exceeding 0.5%.

A wire mesh screen, commensurate with the acoustical properties of the unit, shall protect the microphone system from iron particles

and dust. The diaphragm material shall be non-metallic MAKROFOL. The microphone shall incorporate a bass roll-off switch of 0 and -10 db at 50 Hz operated by a control ring located at the neck of the microphone.

The finish of the microphone shall be matte light gray and shall not reflect light. The microphone shall incorporate a 3-pin male XLR Cannon receptacle and shall be provided with a swivel stand adapter suitable for standard 5/8"-27 thread.

The microphone shall be 7½" long by 1-9/16" diameter, and the net weight shall not exceed 6 ounces.

The microphone specified shall be the AKG D-24E.