

LOUD SPEAKING

LOUD SPEAKING TELEPHONE

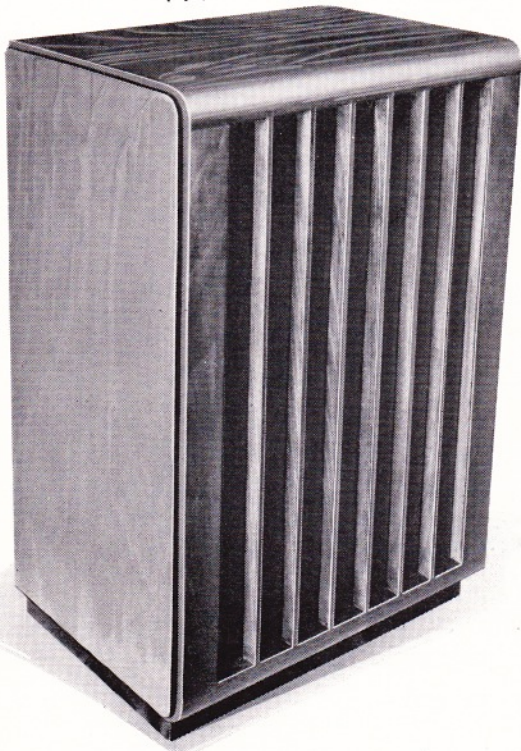
753B

Western Electric

TELEPHONE

for

SOUND SYSTEMS



THE WESTERN ELECTRIC

753B Loud Speaking Telephone is designed for public address and music reproduction systems where high quality reproduction is required.

The 753B Loud Speaking Telephone is a two-band loud speaker system consisting of a KS-12004 Loud Speaker, 722A Receiver, 32A Horn, and D-173048 Loud Speaker Network, mounted in a walnut finished cabinet measuring approximately 20 inches wide by 30 inches high by 13½ inches deep. Where desirable, the overall height of the cabinet may be reduced 1½ inches by removing the detachable base.

PERFORMANCE

Frequency Range

60 to 6,500 cycles.

Impedance

16 ohms.

Efficiency

With full speech power of a 25-watt amplifier, the 753B Loud Speaking Telephone will produce an intensity level of 73 db above 10^{-16} watt per square centi-

meter at a distance of 100 feet on the axis of the loud speaker.

Coverage Angle

Substantially uniform with respect to both frequency and intensity over an angle of 90° horizontally and 60° vertically.

Power Capacity

Capable of handling speech or music with peak powers of 25 watts.

Western Electric

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

Supply _____ (quantity) _____ Western Electric 753B Permanent Magnet Loud Speaking Telephone(s) or approved equivalent(s) which must possess the following characteristics:

The Loud Speaking Telephone shall comprise a two-band Loud Speaker System with a low frequency component consisting of a Western Electric KS-12004 Loud Speaker which shall cover a frequency range of 60 to 700 cycles and a mid-frequency component consisting of a Western Electric 722A Receiver and Western Electric 32A Horn which shall cover a frequency range of 500 to 6500 cycles. These units shall be coupled through a Western Electric D-173048 Network which shall divide the energy at 700 cycles. These units shall be mounted in a walnut-finished cabinet measuring approximately 20 inches wide by 30 inches high by 13½ inches deep.

The Loud Speaking Telephone shall be capable of highest quality reproduction over an angle of 90° horizontally and 60° vertically.

The efficiency of the Loud Speaking Telephone shall be such that when the full speech power of a 25-watt amplifier is imposed, it will produce an intensity level of 73 db above 10⁻¹⁶ watt per square centimeter at a distance of 100 feet on the axis.

The speaker shall be capable of handling speech or music reproduction with maximum peak powers of 25 watts.

DISTRIBUTOR IN THE UNITED STATES

Graybar
ELECTRIC COMPANY

General Offices: 420 Lexington Avenue, New York, N. Y.

A NATIONAL ELECTRIC SERVICE

GENERAL DISTRIBUTOR FOR CANADA AND NEWFOUNDLAND

Northern Electric Company
LIMITED

General Offices and Plant: 1261 Shearer Street, Montreal, P. Q.

TWENTY-THREE BRANCHES FROM COAST TO COAST

DISTRIBUTOR IN OTHER COUNTRIES

International Standard Electric Corporation

67 Broad Street New York, U. S. A.

Offices in all principal cities