

LOUD SPEAKING

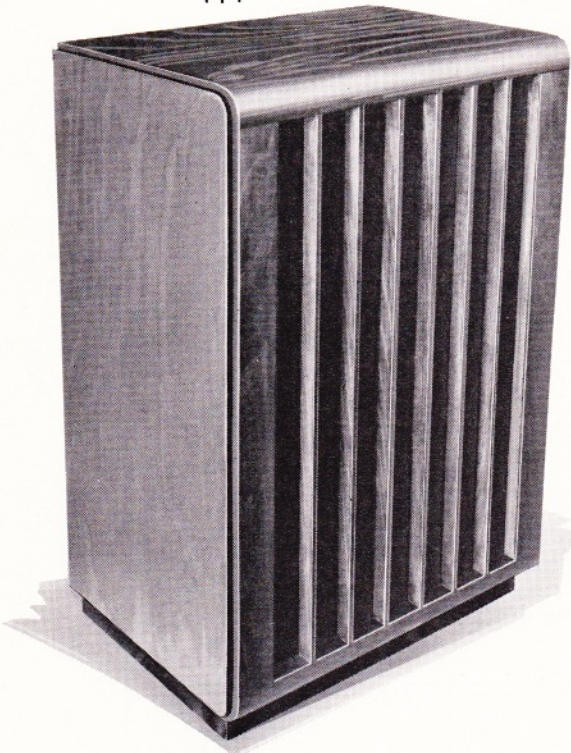
LOUD SPEAKING TELEPHONE

753C

Western Electric

TELEPHONE

for
SOUND SYSTEMS
and
RADIO BROADCAST
MONITORING



THE WESTERN ELECTRIC 753C Loud Speaking Telephone is designed for public address and music reproduction systems and for radio broadcast monitoring applications where high quality reproduction is required.

The 753C Loud Speaking Telephone is a two-band loud speaker system consisting of a KS-12004 Loud Speaker, 713A Receiver, 32A Horn, and a 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 may be reduced 1½ inches by removing the detachable base.

PERFORMANCE

Frequency Range
60 to 10,000 cycles.

Impedance
16 ohms.

Efficiency
With full speech power of a 25-watt amplifier, the 753C Loud Speaking Telephone will produce an intensity level of 74 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 753C 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 713A Receiver and Western Electric 32A Horn or approved equivalent which shall cover a frequency range of 500 to 10,000 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 74 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