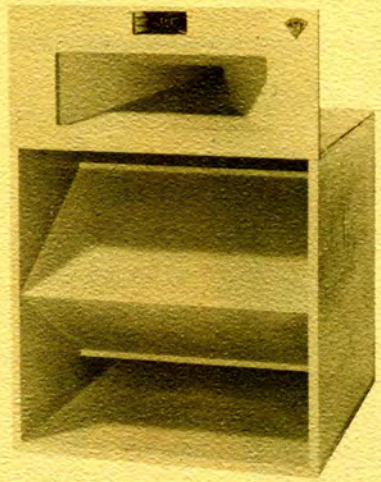
KLIPSCH

LA SCALA

Trade Mark

K-447



QUALITY SOUND SYSTEM FOR THEATERS, MONITOR FOR RECORDING AND BROADCAST STUDIO, NIGHT CLUB, AND ANY PROFESSIONAL OR SERIOUS AMATEUR USE WHERE FAITHFUL REPRODUCTION IS DEMANDED

The Klipsch MODEL K-447 theater-auditorium loudspeaker is a high-efficiency low-distortion system covering a wide range of frequencies with an unusually smooth response. Bass range extends solidly to 50 cps, usable to 40. In spite of the quality, size has been brought to such a minimum as to classify this speaker system as a "miniature" among speakers of this type. Although the woofer unit occupies only 8 cubic feet, the response, range and efficiency equal or exceed systems of considerably larger size. This loudspeaker affords the same efficiency, smoothness of response, and freedom from distortion as the KLIPSCHORN, but the bass cutoff is approximately 20 cps higher.

It is so shaped as to adapt it for over-proscenium-arch location where space to ceiling is limited to only 2 feet. It may also be so used as a center-stereo unit, in combination with like flanking units or with KLIPSCHORNS on flanks. When used as flanking units, 30 to 45 degree toe-in is suggested, depending on proportions of listening area.

Horn loaded throughout its operating spectrum, it maintains the low diaphragm amplitudes and velocities necessary for low modulation distortion. The resulting clarity, a feature of all our horn speakers, especially at the volume levels required for auditorium use, is typical of this highest level of quality.

The LA SCALA is a full 3 way horn-loaded system with rugged phenolic diaphragms in the high frequency drivers. It boasts response from 40 to 20,000 cps, ±5 db from 55 to 16,000 cps and not more than 10 db down additionally at 40 and 19,000 cps.

UNUSUALLY SMOOTH • COMPACT SIZE
PORTABLE • ACCURATE REPRODUCTION
40-19,000 CPS RANGE • LOW DISTORTION
HIGH EFFICIENCY • 70 WATT CAPACITY
ALL HORN CONSTRUCTION

KLIPSCH
AND ASSOCIATES, INC.
P. O. Box 96 • Hope, Arkansas 71801 • Phone 501—777-6751

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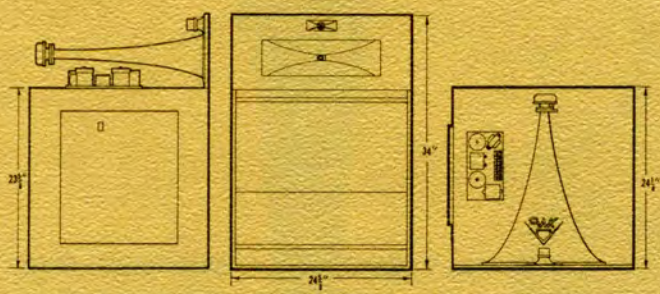
THEATER LOUDSPEAKER

SPECIFICATIONS

Power Input	*70 watts (Program)*
Power Output for not over 0.1% FM distortion	*3.0 watts*
Frequency Response:	
±5 db	*55 14,000 cps*
+5-10	*40 19,000 cps*
Sound pressure level	*104 db for 1 watt ref .0002 dyne/cm²* *107 with flat network measured at 4 feet*
Impedance	*16 ohms*
Drive Components	*Klipsch K-33-J Woofer, Klipsch K-55-V Mid range driver and Klipsch K-77 Tweeter*
Network	*Klipsch type 5 400/5000 cps crossover*
Dimensions	*24¼" wide x 33¾" high x 24½" deep*
Weight	*105 lbs. max. 115 lbs. shipping wt.*
Finish	*Theater black*



KLIPSCH & ASSOCIATES, INC.
POST OFFICE BOX 96 HOPE, ARKANSAS

The mark of integrity in loudspeaker systems

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The speaker shall be of the horn type with separate but integrally joined bass and treble horn systems of quality to conform to highest theater and home use standards. The response shall be within peak-trough limits of 10 db from 58 to 16,000 cps and not more than 10 db farther down at 40 and 19,000. The efficiency shall be at least 54 db (EIA) or 104 db at 4 feet with one watt input (with HF unit attenuated 3 db for "normal" balance).

The high frequency system shall comprise straight axis horns; horns employing bends will not be acceptable due to inherent response errors. The horn shall provide a coverage of 80° horizontal, 30° vertical, with not to exceed 10 db loss at the stated extreme angles.

The low frequency horn shall be of the folded type with a single 15 inch driver unit and a tightly enclosed back air chamber. Non-folded types and ported back air chambers will not be acceptable under this specification because of inherent bass loss and excessive cone motion causing frequency modulation distortion.

The crossover frequencies shall be 400 cycles per second and 5000 cps and the power input capacity shall be as tabulated above. The speaker output capacity shall be 3 acoustic watts below 1000 cps with not to exceed 0.1% FM distortion.

Balance of HF system relative to LF system is normally set at —3 db but may be varied from zero db to —9 db.

Total modulation distortion shall normally not exceed twice the FM distortion.

The loudspeaker shall be KLIPSCH Model K-447.