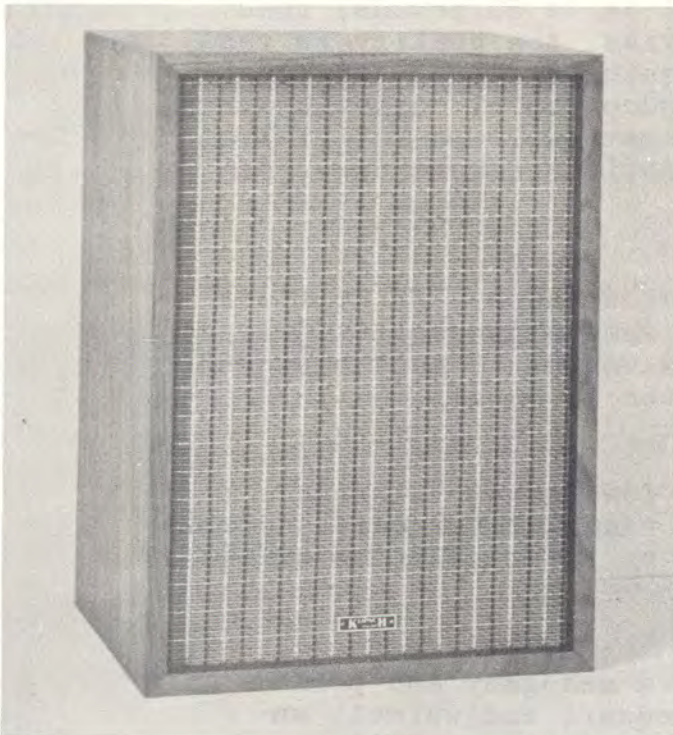


THE KLIPSCH MODEL H Speaker System

The Klipsch MODEL H offers attractive features for monitor, public address, speech re-enforcement, any or all speakers of a 2 or 3 speaker stereo system and other applications requiring a small speaker. Horn-loaded midrange and tweeter units provide accurate reproduction of voice with high articulation intelligibility, even at the higher acoustic power output levels. Reasonable efficiencies are preserved. Tapering off of the bass range near 100 cycles adds to intelligibility by reducing the chest-tone amplitudes which are often excessively re-enforced by building acoustics. The measured response relative to 200 cycles per second is down 10 decibels at 45 cycles. Negligible output of either signal or distortion takes place below the cutoff of approximately 35 cps.

Successor to the REBEL V, the MODEL H offers both extended bass range and reduced distortion. The REBEL V was a design of ours of about 1953 which Cabinart sold in large numbers under our license. The MODEL H preserves the moderately high efficiency of the "V" but provides better balance and an improved smoothness of response. An important feature is that diaphragm excursion and attendant distortion are kept low at all frequencies.



MODEL H - 12
Maximum Dimensions:
21 3/8 x 15 1/2 x 13 1/8



MODEL H - D - 12
Maximum Dimensions:
19 3/4 x 15 1/4 x 11 7/8

The MODEL H performance exceeds that of the SHORTHORN below 50 cycles per second, and does not "unload". Distortion remains low even for infrasonic input. A power input of $\frac{1}{4}$ watt produces 96 decibels intensity at 5 feet, under our test conditions, which is some 20 db higher (100 times more output) than one contemporary small speaker.

The MODEL H has been successfully used in churches where the naturalness of voice reproduction was such as to cause people to fail to realize a re-enforcement system was used until the preacher left the vicinity of the microphone. A power output of more than 0.5 watt (voice range) suffices to project the voice over large areas. Studio monitor usage will reveal any overloading or distortion and the transient response is adequate for sound pressures up to 110 db at 10 feet with negligible distortion. Frequency response is down about 10 db at 20,000 cycles per second.

This speaker was used as the bridged center speaker in the original Brussels' World's Fair system (using KLIPSCHORNS for flanking units) and at the Bell Telephone Laboratories demonstration later.

Versatility of the MODEL H includes its portability. Though only slightly heavier (weight 34 to 50 pounds) than units often used for 16 mm sound movies, the quality is vastly superior. Its extended high frequency response and low distortion suggest its use for reproduction of magnetic striping on movie film. The MODEL H offers a welcome relief from the distorted performance of sound movie speakers used for club and public relations work.

The MODEL H is offered as a 3-way speaker. It utilizes the K-77 tweeter and K-55 midrange (same high quality drivers used in the KLIPSCHORN) and a medium weight 12 inch bass unit in an "enclosure" type direct radiator bass unit.

The unit is also available as a low-budget "starter" speaker utilizing a single extended range driver unit, capable of up-grading to the standard model by later addition of the midrange-tweeter-network elements.

Finishes include natural and dark mahogany and prima vera, unfinished or medium satin lacquer; and walnut, unfinished, medium satin lacquer or rubbed oil. Style D (Decorator's Model) is unfinished fir as illustrated.

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