

KLH MODEL NINE

Stereophonic Full-Range Electrostatic Loudspeaker

THE KLH Model Nine is a stereophonic

electrostatic loudspeaker system consisting of two complete power supplies and step-up transformers.

In most products, we have concentrated on achieving a higher level of performance for a given cost than was previously available, placing equal emphasis on improving performance and lowering the cost to the listener. In the Model Nine, our

objectives has been to produce the finest sound reproduction possible — without regard for cost or the limitations of program material or associated equipment.

The electrostatic principle employed in the Model Nine stands in sharp contrast to other basic loudspeakers designs. All loudspeakers have the two-fold objective of moving enough air for accurate sound levels and of doing so with as

Speaker, begin with the creation of adequate sound including the deservedly popular moving-coil much accuracy as possible. Most designs,

carefully, and expensively, elaborated to move enough air across the frequency range to achieve satisfactory sound levels in a living room.

The accuracy of the push-pull electrostatic design of the Model Nine is based on its unique precision weightless diaphragm is suspended between two charged plates that alternately attract and repel directly proportional to the force pulling it from the diaphragm, and is uniform along the entire surface of the diaphragm. The combination of accurate pushing signal applied to the plates. The force

of diaphragm motion is proportional to the force pulling it from the diaphragm. The combination of accurate pushing signal applied to the plates. The force

Because the electrostatic diaphragm can preserve its accuracy of motion only over a short distance of excursion, it must be increased in area to provide adequate sound pressure over the full

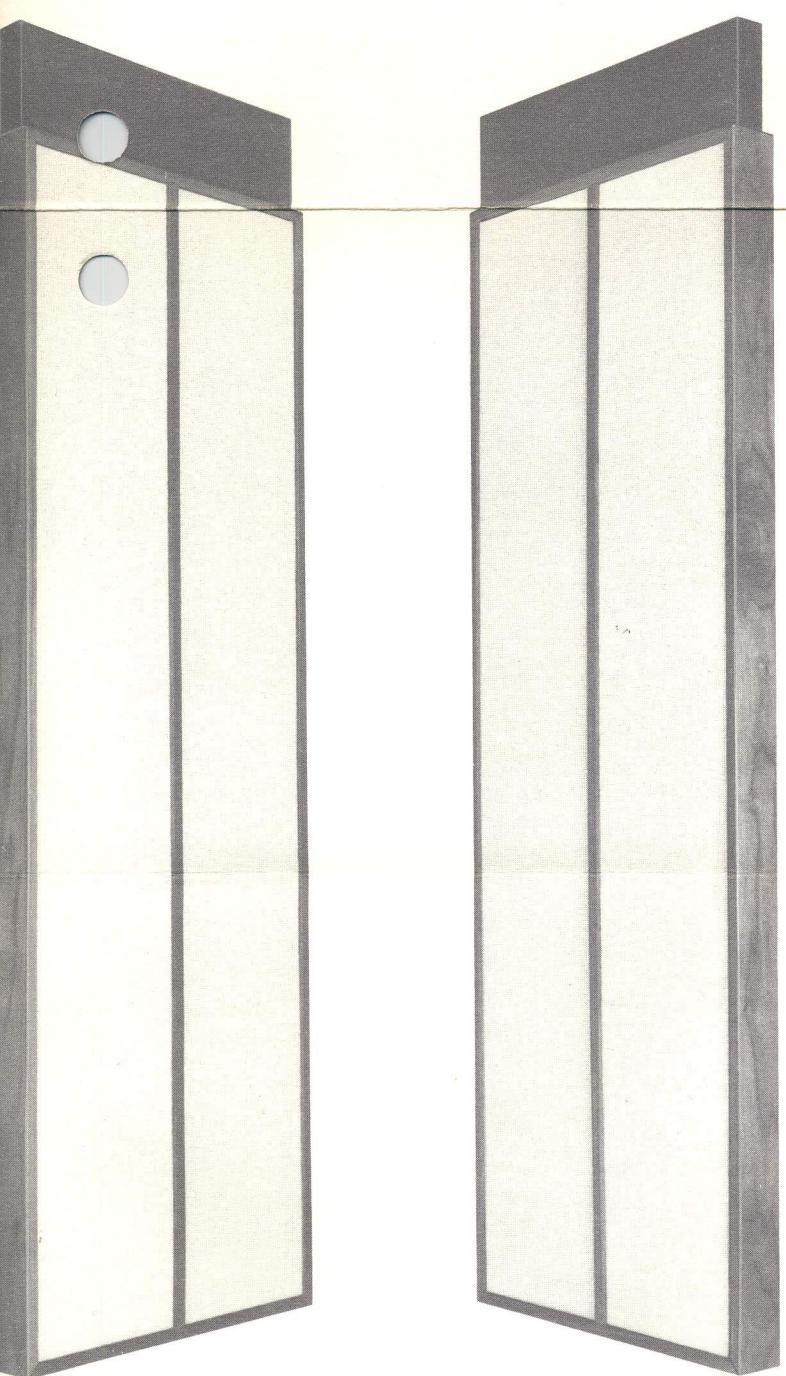
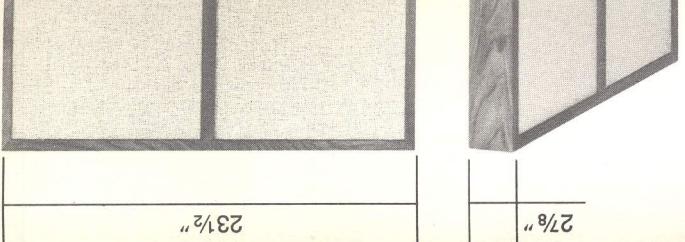
range of frequencies. The two electrostatic assemblies of the Model Nine provide a total radiating area of 28 square feet (14 in front and 14 in the rear). A systematic reduction in area occurs automatically at higher frequencies to preserve

Model Nine's distinctive sound is also a function of the unique spatial effect of its large radiating area and of its equal radiation to front and rear. The

front-and-rear dipole sound radiation of the Model Nine not only heightens its unique spatial effect, but also frees the speaker-to-a greater degree than any other design—the usual limits of

standing waves and other acoustic problems are largely overcome. The overall effect is like that of room acoustics. Stereo as well as manual reproduction is distributed more evenly, and

in return for its unique sound quality, the Model Nine presents definite limitations which are well worth understanding. It requires the highest quality no other type of loudspeaker.

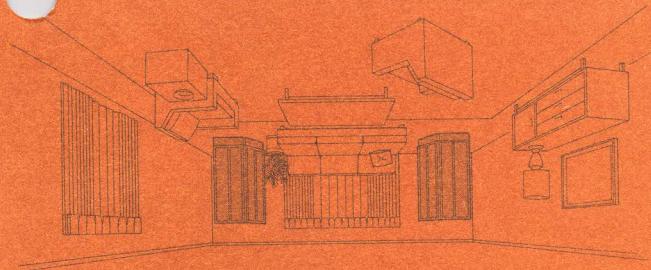
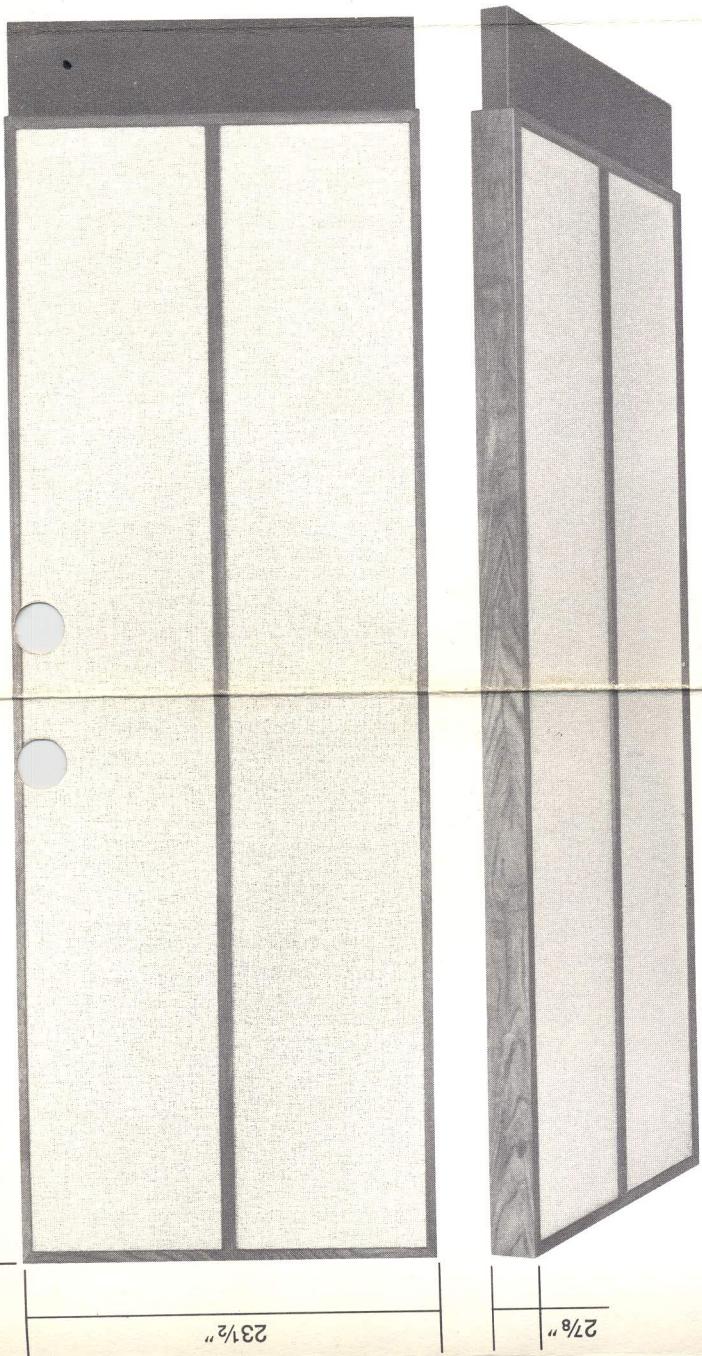




(The terms of the warranty are fully stated in the Model Nine Instruction manual.)

factory for any repair covered by the warranty are paid by KLH.
before a performed at the KLH Factory, and prior written authorization from KLH is required
must be performed Model Nine may be returned for service. Transportation charges to and from the
parts or for labor. The Model Nine is not field repairable. All repairs under the warranty
KLH guarantees the Model Nine against all defects in materials and workmanship for two

TWO YEAR WARRANTY



| | |
|----------------|--|
| Impedance: | 16 Ω nominal - 30 Ω maximum |
| Amplifier: | 20 Hz to 20 kHz (region) |
| Weight: | 158 lb nominal |
| Requirements: | minimum per panel. |
| Suggested: | \$1395.00 per pair (selections are not sold individually) in Oiled Walnut. |
| Special Order: | Other finishes are available on special order at extra cost. |
| Retail Price: | \$1395.00 per pair (selections are not sold individually) in Oiled Walnut. |

The special qualities of the Model Nine undoubtedly call for the prospective buyer to form his own judgments on the basis of actual performance rather than any recommendation, however authoritative. To this test, we offer the Model Nine with full confidence that it will satisfy the most critical listener.

Model Nine with full transparency that it will satisfy the most critical listener.

The special qualities of the Model Nine. Only the original transparency to us can rival the accuracy and ducer known to us used no electro-acoustic transmission. When this type of system in this configuration is used no electro-acoustic transmission supplied for maximum bass output and optimum shallow "V" configuration with the brackets be used. Each set of panels may be joined in a Model Nines, (i.e. two panels for each channel) environment, we suggest that two complete subsantially higher than in a normal home room are desired or in locations ambient noise is where greater volume load sound levels in a large ambient noise level.

ambient noise level.

abnormally large rooms, or in areas of high amplifier, to use at very high listening levels, in particularly in view of its severe demands on an unshielded dipole radiation. And if is not suited, placed at least three feet from a wall for into a load impedance of 16 ohms. It must be from an amplifier capable of delivering full power a minimum of 40 watts RMS per stereo channel) (a minimum of 40 watts RMS per stereo channel) accurate loudspeakers. It also requires high power acoustic feedback) that are masked by less effects (including those from turntable rumble and of associated equipment to avoid distortion worth understanding. It requires the highest quality nine presents definite limitations which are well in return for its unique sound quality, the Model

no other type of loudspeaker.

largely overcome. The overall effect is like that of standing waves and other acoustic problems are than any other design—from the usual limits of but also frees the speaker—to a greater degree Nine not only heightens its unique spatial effect, front-and-rear dipole sound radiation of the Model and of its equal radiation to front and rear. The the unique spatial effect of its function area and the unique heightens its unique spatial effect, Model Nine's distinctive sound is also a function of in addition to precision of diaphragm motion, the appropriate directivity at each frequency.



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