

Model "R"

1-1/4" soft dome maximum efficiency midrange tweeter, extended range 3 db downpoint is 20,000 CPS, yet 1 1/4" diameter allows for near perfect midrange propagation insuring even tonal response from woofer to midrange. **25 oz. magnetic structure** and super tight gap provide instantaneous response of transients; vivid clarity and definition while maintaining the broad dispersion character soft domes are known for.

8" Woofer, super high power handling capacity, double layer voice coil with tight suspension providing superb transient information. A heavy ribbed and stiff treated cone material for maximum excursion and minimization of cone breakup. 8" Diameter cone allows for maximum column line air coupling so that entire column becomes a two-foot woofer. Polar response remains extremely even through its upper frequencies, unlike large diameter woofers, for precise crossover coupling and uniform polar response through the crossover region.

Five structural internal braces, almost unavailable at any price. Advantage: Virtually eliminates any remaining resonant problems which cause undesirable box sounds.

25 watt resistors. Most typically used are 5 and 10 watt resistors that overheat, change value and fail. That is one reason another product's sound may become harsh over time. (Tolerance level... typical Phase-R $\pm 2\%$; typical industry competition $\pm 10-20\%$.)

Integrally phased tight tolerance crossovers, for minimum phase shift and identical speaker performance.

Capacitors, metalized mylar, non polarized and non electrolytic. Simply the very best available. Sand-filled and wax-sealed to insulate from internal cabinet moisture caused by heat change. (Tolerance level... typical Phase-R $\pm 2\%$; typical industry competition $\pm 10-20\%$.)

Heavy iron-core coil on woofer for best bass damping and power handling. Increases bass definition and enhances tight solid impact. (Tolerance level... less than $\pm 2\%$ Most loudspeaker manufacturers use $\pm 10\%$.)

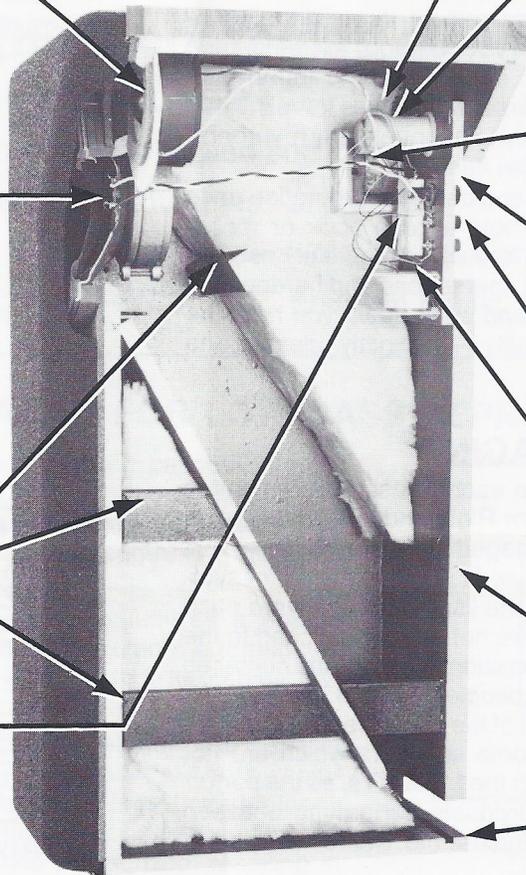
Fused mid-range — tweeter, protection (1 amp) from DC reversion and clipping overload. Less distortion than often used L-Pads, with no attenuation of output caused by some circuit breakers.

Terminals, five-way banana plug binding post, quick disconnect and short-circuit free.

Air core coil on tweeter for lowest distortion in high frequency reproduction and most precise slope filter contouring. Tolerance level... less than $\pm 2\%$ (Most loudspeaker manufacturers use $\pm 10\%$.)

Use of fiberwood material, not particleboard or plywood. Advantage: Extremely dense low resonant quality and consequently less tonal coloration from cabinet vibration

Tongue and groove construction Advantage: Tight-fitting construction to minimize vibration and, consequently, air leaks, resonant coloration and loose sloppy bass



PHASE "R", unique at any price, without peer in its class.

PERFORMANCE SPECIFICATIONS

FREQUENCY RESPONSE:	38 HZ — 20,000 HZ $\pm 3\frac{1}{2}$ db Measured in reverberant field 3 ft. on axis full frequency pink noise, 1 watt (B&K Microphone, Crown Real Time Analyzer)
CROSSOVER:	1800 HZ typical tolerance $\pm 2\%$
POWER HANDLING:	Maximum recommended — 100 watts continuous program Minimum recommended — 20 watts RMS
IMPEDANCE:	Nominal 8 ohms
EFFICIENCY:	88 db Sound Pressure Level, 3 ft., 1 watt input, full frequency pink noise, reverberant field
SIZE:	26" High x 13" Wide x 12 1/2" Deep without grill 14" with
FINISH:	Hickory Vinyl
GRILL:	Black Foam
SHIPPING WEIGHT:	49 lbs



How long will it remain that way? Well enough to offer a **five-year warranty on parts and labor.**

Phase Research Corporation is constantly engaged in improving our products and furthering the art of musical reproduction. For this reason Phase Research reserves the right to change its components and specifications without prior notice.

Please ask your dealer to show you the Model R Sample Parts Kit; in it you will see for yourself the quality in every Phase Research speaker.