

"PHASE-R, unique at any price,

1 $\frac{3}{8}$ " soft dome maximum efficiency midrange tweeter, extended range 3 db downpoint is 20,000 CPS, yet 1 $\frac{3}{8}$ " 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 — without 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.

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

Chemically treated baffle pad is used to attenuate any reverberation from the front of the speaker (baffle) itself.

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, or when they are played loud. (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. This helps optimize matched pair 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 temperature 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 . . . better 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, and with no attenuation of output caused by some circuit breakers.

Terminals. Heavy duty push button binding post, quick disconnect and short-circuit free. Handle up to 11-gauge wire.

Air core coil on tweeter for lowest distortion in high frequency reproduction and most precise slope filter contouring. Tolerance level . . . better 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 eliminating tonal coloration from cabinet vibration.

Combination tongue and groove rabbet joint construction. Advantage: tight-fitting construction to minimize vibration, resonant coloration and loose sloppy bass caused by air leaks.

PERFORMANCE SPECIFICATIONS

FREQUENCY RESPONSE: See Figure R-RT

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, 1 meter, 1 watt input, full frequency pink noise, reverberant field

SIZE: 26" High x 13" Wide x 12 $\frac{1}{2}$ " Deep without grill, 14" with

FINISH: Hickory Vinyl

GRILL: Black Foam

SHIPPING WEIGHT: 49 lbs.