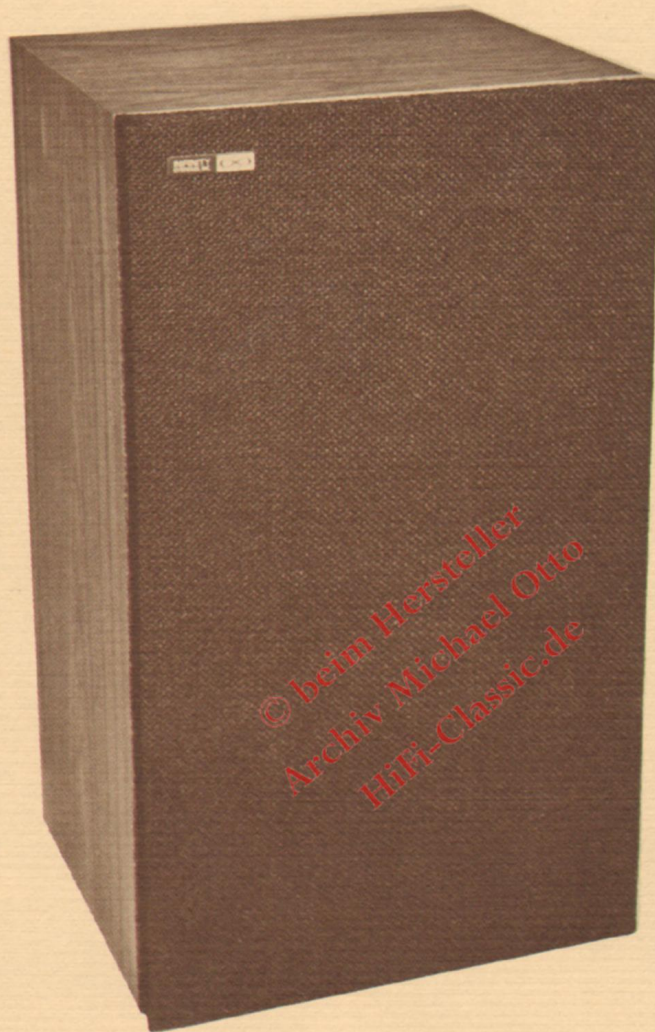


DATA SHEET



25" x 14½" x 12¼" deep

the INFINITY 1001

The exceptional clarity and transparency of the model 1001 are a direct outgrowth of Infinity Systems' new speaker technology, exemplified in the Servo-Statik I and the model 2000A. The model 1001 is the *only* low priced speaker which can re-create the full orchestral image and frequency spectrum with the lowest sonic coloration in the industry.

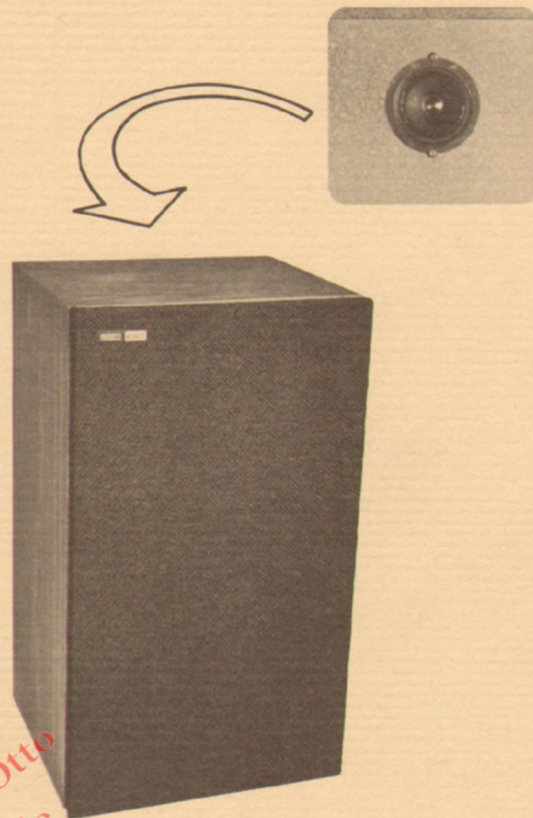
the INFINITY 1001

INFINITY
SYSTEMS, INC.



THE TWEETERS

The Infinity 1001 utilizes two exceptional cone tweeters; one in the front (the transient tweeter) and the other in the rear of the enclosure (the ambient tweeter). The front (or transient) tweeter gives the direct radiation with its' transient information to yield the sharpness and clarity to the sound. The rear (or ambient) tweeter adds complete dispersion of the high-frequency radiation to re-create the true instrumental character actually in space, rather than in a flat plane. The two tweeters are coupled together through a special phasing and frequency contour network which maintains the energy response beyond 20 KHz without the usual high-frequency beaming that imparts stridency to the music. This effect can be had with the enclosures placed no more than an inch from the rear wall; however, a more dramatic and realistic effect can be had with at least six inches separation from the rear wall.



THE WOOFER

Another unusual feature for this price system is the bass section. Here, a twelve-inch woofer is employed with a special non-reflective termination near the apex of the woofer. This termination material very effectively inhibits standing waves across the cone to greatly enhance midrange clarity.

The enclosure itself is a "terminated line" type as introduced in the Infinity 2000 A. It exhibits a very constant impedance characteristic for non-resonant bass with none of the familiar hangover of the acoustic suspension design.

Speakers in general are notorious for the famous mid-bass peak around 200 Hz which erroneously adds some fullness to the sound. This erroneous fullness can be detected by listening to a female voice in the lower register. Here, the mid-bass peak adds a very unnatural thickness or honkiness to her voice. This effect can be heard on the Vanguard recording of Joan Baez (Farewell Angelina, side 2, band 4). With this or similar material notice that the Infinity 1001 opens up the voice while other speakers tend to blur it or give it an unnatural thickness.

Another reason for the most natural quality of the model 1001 is that no inductors nor any other crossover network is used with the woofer. It was designed with exactly the correct phase and frequency response to meld smoothly into the tweeters.

INFINITY 1001 SPECIFICATIONS

FREQUENCY RESPONSE

30 Hz to 21 KHz, ± 4.5 db

CROSSOVER FREQUENCY

1300 Hz (acoustic)

NOMINAL IMPEDANCE

6 Ohms

MINIMUM AMPLIFIER POWER

20 watts per channel RMS

REAR RADIATION

50% above 1300 Hz

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