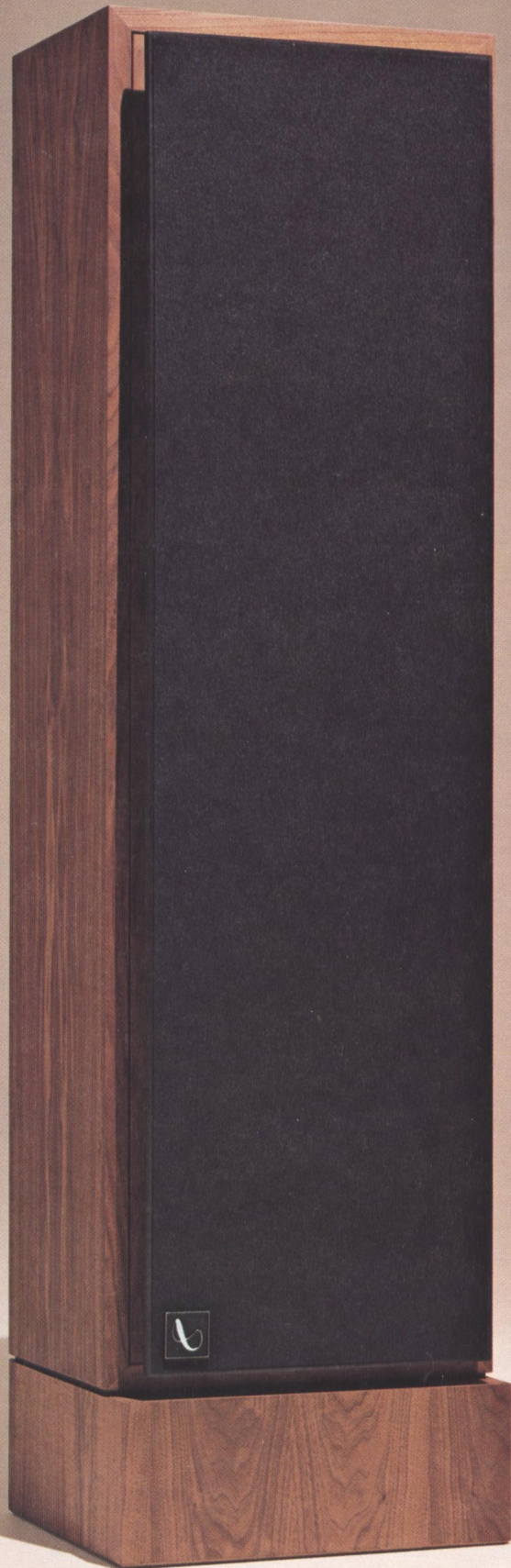


Infinity Quantum Line Source™



**It stands at the forefront of
speaker technology.
And it stands alone.**

From top to bottom, from highs to lows, the Quantum Line Source represents a radical departure in speaker design—an important new direction not only for the industry, but for Infinity itself.

By creating the world's first Electromagnetic Induction Tweeter™ using the rare-earth and magnetically powerful material Samarium Cobalt; by utilizing it in a multiple configuration to produce a line source of high frequency energy; and by combining these with a highly innovative approach to the problem of accurately reproducing bass frequencies without an enclosure resonance peak, Infinity has created a speaker that stands at the limits of practical speaker technology—and stands alone.

Until the creation of the Quantum Line Source, all closed-box speaker designs have been plagued by an inherent problem of Physics: the characteristic resonance of an enclosure, with its resultant back-EMF (electromotive force) and consequent rising impedance. Speaker designers have been forced to compromise either efficiency or musical accuracy (witness the veiled midbass and muddy bass of the typical acoustic suspension speaker).

Now, for the first time, a speaker is free of this constraint.

The Quantum Line Source is very probably the most musically accurate speaker ever made.

The Infinity/Watkins Dual-Drive Woofer*..

William Watkins has brilliantly devised a method of extracting bass frequencies with a linear response and a completely flat impedance curve precisely at the point where the "normal" resonance peak and impedance rise would be expected.

This patented device consists of two separate coils controlled by an elaborate inductive resistive capacitive (LRC) circuit. The second (lower

impedance) voice coil takes over at resonance and presents a low impedance path in the region of resonance. We have incorporated this striking advance in the new Infinity/Watkins Dual-Drive Woofer—a driver that, because its impedance curve is virtually flat, produces bass energy of astonishing accuracy, life-like presence and power.

Plus our Samarium Cobalt EMIT...

Infinity has also been developing an Electromagnetic Induction Tweeter (EMIT) made of Samarium Cobalt, a rare-earth substance—the most magnetically powerful material in existence.

A 48-inch strip of EMIT high-frequency drivers has been designed as a Line Source—a source of high frequency energy producing a fan-shaped cylindrical wavefront and resulting in desired dispersion in the operating band of the horizontal plane. Our EMIT Line Source is the magnetic analogue of the electrostatic, dramatically exceeding it in desirable performance characteristics.

Plus our midrange Line Source...

We designed an unusually treated group of 1½" dome drivers in a Line Source (paying careful attention to phase and acceleration capability), and added a phase-coherent midbass driver phased to match the acceleration times and acoustic output between the midrange Line Source and the Infinity/Watkins Dual-Drive Woofer. This midbass coupler, expressly handling frequencies from 200 to 600 Hz, is a critically important element in the Quantum Line Source concept; it is within this range that approximately 50% of musical fundamentals lie and we felt it vital to provide a driver that could speak with absolute accuracy in this important musical range.

...equals the Quantum Line Source™

Each of the elements—the Infinity/Watkins Dual-Drive Woofer, our EMIT Samarian Cobalt Line Source, our dome midrange Line Source, our midbass coupler—makes its own important contribution to the startlingly "live" sound quality of the Quantum Line Source.

In addition, we've provided complete contour controls. Midbass,

upper midrange and EMIT can be adjusted to shape any listening environment. The speaker has a bi-amp capacity; two amplifiers can be used, one to power the woofer and one for the other drivers. (For more detailed information about the Infinity/Watkins Dual-Drive Woofer and EMIT drivers, ask us for the Quantum technical paper.)

We at Infinity believe that the technological advances in this speaker will change the course of audio history; it has "opened up" all frequencies to previously unheard-of levels of power, cleanliness and three-dimensional depth.

The Quantum Line Source is the first of the Infinity Quantum Series speakers. For us it is an exciting step in our continuing effort to erase the difference between live musicians and their reproduced performance.

Specifications

Frequency response:
18 Hz through 32,000 Hz ± 2 dB.

Suggested amplifier power range:
500 watts per channel RMS.

Amplifier inputs:
Bi-amped; speaker can be driven by two amplifiers.

Controls:
Contour controls for midbass, upper midrange and EMIT tweeters.

Nominal impedance: 4 ohms.

Drivers:
12" Infinity/Watkins Dual-Drive Woofer, 18 to 200 Hz.

Midbass coupler, 200 to 600 Hz.
Line Source of six 1½" dome midrange drivers, 600 Hz to 4 kHz.
48" of Line Source high frequency radiator (EMIT), 4 through 32 kHz.

Horizontal dispersion:
 ± 2 dB from 18 Hz to 20 kHz in 180° frontal hemisphere.

Dimensions:
5½' x 15" x 18" wide. 190 lbs.

Cabinet and grille:
Walnut veneer over one-inch particle board. Acoustically transparent cloth on removable frame.

Warranty:
Five years, parts and labor. Transferable. (See complete warranty statement.)

Specifications and prices are subject to change without notice.



We get you back to what it's all about. Music.

