

Infinity Quantum 3



What made a company stop production of the best-selling speaker in its price class?

The astonishing sound of Quantum 3.[™]

We know. The company was Infinity.[™] And the speaker we decided to phase out was our own critically-praised, hugely successful Monitor IIa.

Why? Because the technology that goes into the speakers in our Quantum Series and the musical revelations that come out really do stamp "Obsolete" across every previous speaker system, including our own.

The compact four-way Quantum 3 incorporates the revolutionary Dual-Drive Woofer and Electromagnetic Induction Tweeters[™] (EMITs) used in our Quantum Line Source and Quantum 2.[™]

As a result, for accuracy and beauty of bass and high-frequency reproduction, Quantum 3 may well be the third-best speaker in the world. For overall value, perhaps you'll rank it somewhat higher.

For a frustrating old problem of all low-frequency reproducers, a brilliant new solution.

Everybody knew for years it was impossible to get acceptable efficiency, good transient response, enough power, and extended bass range out of any enclosure of reasonable size. So every speaker system in the world represented a serious compromise of one or more of those desirable characteristics. Until...

William Watkins found the solution to problems of the speaker's fundamental resonance, back-EMF, and the resultant impedance peak. He invented a woofer with two voice coils. Right down where rising impedance and falling response were inevitable before, his second voice coil takes over, presenting a low impedance path to the amplifier in the region of resonance.



Now the speaker can make use of the amplifier's power at low frequencies, because back-EMF is reduced. Now input rather than inherent resonance can control the cone. Now extended bass response and accurate transient performance can co-exist beautifully.

Listen.

The bass driver that makes all this happen is called the Infinity-Watkins Dual-Drive Woofer.* It is one

of the significant audio advances that set Infinity's Quantum Series apart.

Co-starring EMIT,[™] Infinity's Electromagnetic Induction Tweeter.[™]

Imagine a tweeter that—like the electrostatic—could deliver uncolored reproduction of high frequencies and—quite unlike the electrostatic—wouldn't break down, wouldn't require a transformer, and wouldn't "beam" sound narrowly.



We could imagine it, but we couldn't build it until we hit upon the use of a rare-earth material several times stronger magnetically than anything used before.

Now our Electro-magnetic Induction Tweeters with Samarium Cobalt magnets provide gloriously accurate and musical high-frequency performance plus nearly perfect horizontal dispersion—all without the vagaries of electrostatics. Hallelujah.

All together now...

Our midbass coupler and high definition 1½-inch dome midrange driver are fitting teammates of the Dual-Drive Woofer and the EMIT array.



They have been phased for a precise matching of acceleration times and acoustic output.

Infinity's meticulous attention to phasing and to crossover technology has produced a lifelike stereo imaging and depth that only our own previous speakers ever approached.

To minimize any sonic interference from the grille frame, the grille of the Quantum 3 has been ingeniously offset.

Still, some purists will prefer to remove the grille; "acoustically almost transparent" does not satisfy their sensibilities. For them we have made the grille extremely easy to lift off and the speaker's rich walnut-veneer face extremely easy to look at.

We at Infinity no longer mourn our late Monitor IIa. Rather we revel in the transparency, homogeneity, and dimensionality of the sound of Quantum 3.

Now it's your turn. Prepare to set aside some favorite old speakers and some favorite old ideas about speakers. When you are ready, a discovery awaits you: overwhelming musical honesty from a package tidily sized and priced, and called Quantum 3.

Quantum 3 Specifications

Frequency response:
28Hz-32KHz ± 3dB.

Horizontal dispersion:
-2dB at ± 60°, 20KHz.

Suggested for use with amplifiers of:
35 through 250 watts per channel RMS.

Nominal impedance:
4 ohms.

Drivers:
12" Infinity-Watkins Dual-Drive Woofer.
4" midbass coupler, transmission-line loaded.

1½" dome midrange, specially treated.
Two EMIT tweeters.

Crossover frequencies:
200Hz, 600Hz, 4KHz.

Controls:
Level for midbass coupler, midrange and tweeters.

Dimensions (approx):
40"x18"x13" deep.
102cm x 46cm x 33cm deep.

Finish:
Oiled walnut veneer. Removable grille.

Weight (approx):
110 lbs/50 kg (packed).

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

Specifications and prices are subject to change without notice.

 **Infinity**

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

*Manufactured by Infinity Systems, Inc., under license from Watkins Engineering

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