

CORAL

Naturally beautiful

12-inch 3-WAY 3-SPEAKER SYSTEM

(SYMMETRIC PAIRED CABINET SYSTEMS)

CX-77



WOOFER

The light, tough cone paper ensures optimal linearity

Proper balance among tweeter, squawker, and woofer is crucial when assembling a good speaker system. Cone paper, the heart of the woofer, must possess high Young's modulus and be fully flexible. The woofer in the CX-77 speaker system features Coral's own specially developed micro-crystal cone paper, the surface of which is coated with fine hollow crystal grains 0.1mm in diameter and with a specific gravity of 0.3. Thus partial vibration has been greatly enhanced, refining the transient characteristics of the lower and bass ranges. The rest of it, too — the free edge with full linearity, diecasting frame absolutely without resonance, powerful magnetic circuit help — all contribute to some of the richest, most listenable low frequency sounds available.



SQUAWKER

Titanium dome ideally shaped to overcome molding difficulties

CORAL, having developed its own exclusive method for molding highly rigid titanium speaker domes, is now able to provide the audiophile with the most superb mid-range speakers ever. The voice coil in these speakers features CCAW winding and flawlessly maintains optimum balance of mass, extending the high range limit and largely improving transient characteristics. The aluminum bobbin boasts large input resistivity, and a spacious back cavity easily expands the frequency response of the lower range to efficiently cover everything from 700Hz to 7,000Hz. Clear, faithful sound. What more could one ask?



TWEETER

A super-tweeter with a super-high limit — 40,000Hz!

The ultimate limit of high-frequency sound reproduction, plus the elimination of distortion and the optimum in transient characteristics. The attainment of these goals is what audio engineers are continually striving toward — to build a

tweeter which will flawlessly reproduce the delicate high-range sound properties of every musical instrument. Coral's is a hard dome-type super-tweeter that uses a diaphragm of 18-micron-thick ultra-thin Super Duralmin having a crossover frequency of 7,000Hz. The expanded high-range frequency response of 40,000Hz easily reproduces everything within the normal audible frequency of 20,000Hz with outstanding directivity. The sound quality is amazing.



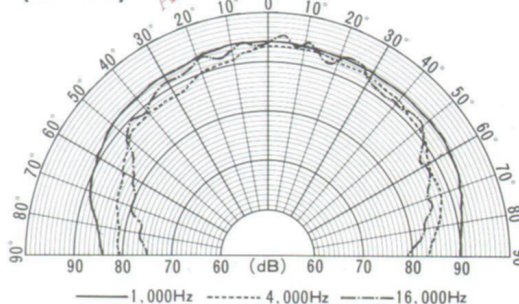
LEVEL CONTROLLER

An attenuator that enables continuous variation of the mid- and high-frequency ranges independently. The levels may be easily regulated simply by removing the front Saran cloth net.

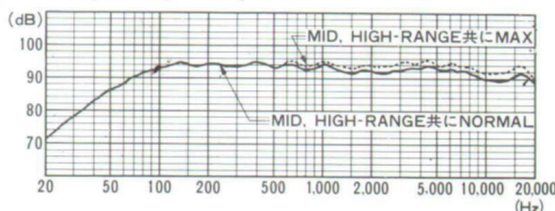
DIVIDING NETWORK

Low-loss design employing a Mylar film capacitor and a coil featuring a high permeability reluctance ferrite core, which refuses to cause linear distortion even under large input. The design brings out the maximum transient characteristics of each speaker, the result being thoroughly well-balanced sounds.

Directivity characteristics (CX-77)

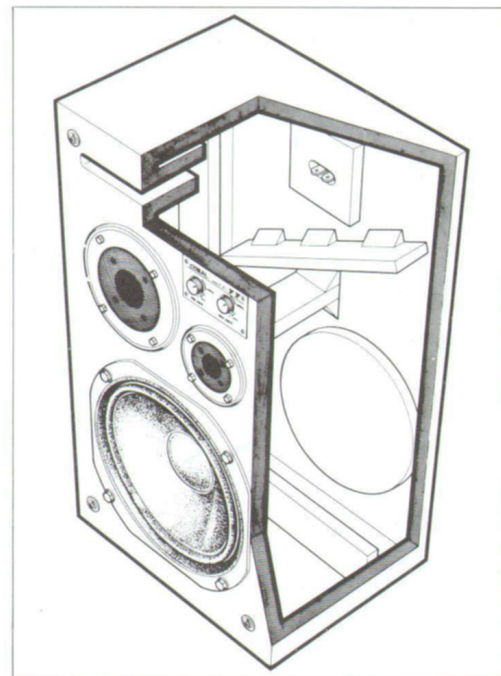


Frequency Response



ENCLOSURE

The higher the performance of the speakers, the more important the quality of their enclosure becomes. The CX-77 system uses a bass-reflex enclosure, which features a highly condensed multi-layer particle board, eliminating unwanted vibration. The side, baffle and back boards are strongly reinforced. Ester wool, Tetoron wool and soft felt, all with excellent sound properties, are used as acoustic material. The speakers are symmetrically mounted to achieve optimum directivity. Beautifully finished with UVD coating, the CX-77 system enclosure symbolizes the perfection of the system.



SPECIFICATIONS

Enclosure.....	Bass-reflex type
Speakers	30cm woofer, 5cm titanium dome squawker, 2cm hard dome tweeter
Frequency response	30-40,000Hz
Crossover frequency	700Hz, 7,000Hz
Output sound pressure level.....	94dB
Program source input.....	80W
Impedance	8 Ohms
Dimensions 390mm(W) x 650mm(H) x 320mm(D)	
Weight	22kg



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