

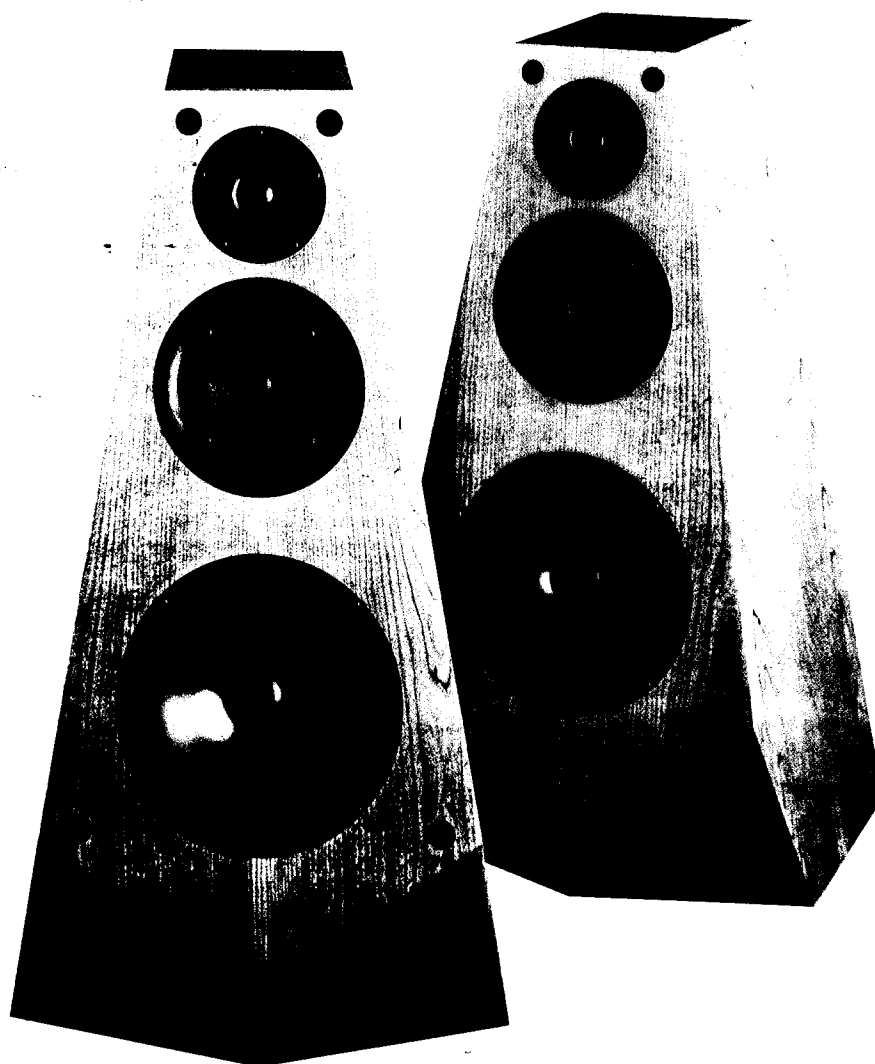
SONY

SS-M7B

3-WAY LOUDSPEAKER

FEATURES AND
SPECIFICATIONS
SUBJECT TO CHANGE
WITHOUT NOTICE

- 3-WAY SEALED ENCLOSURE DESIGN
- MINIMAL-AREA Baffle FOR REDUCED DIFFRACTION
- NON-PARALLEL CABINET SIDES TO MINIMIZE STANDING WAVES
- COMPUTER-OPTIMIZED 24 DB-PER-OCTAVE CROSSOVER
- MINERAL FILLED POLYPROPYLENE WOOFER AND MIDRANGE
- FABRIC DOME FERROFLUID-COOLED TWEETER
- INCH-THICK MEDIUM DENSITY FIBERBOARD CABINET



SS-M7B

Expressive. Refreshing. Effortless. Natural. Sony's original SS-M7 was quickly recognized for its sound. Now comes the SS-M7B with even more robust cabinet construction. Even more meticulous craftsmanship. Even more lavish application of audiophile-grade parts. Listen to the M7B and you'll agree. All those hours in the lab and hours in the listening room were worthwhile.

FEATURES

Cabinet

- **3-WAY SEALED ENCLOSURE** loudspeaker system
- **MINIMAL-AREA BAFFLE** reduces frontal area to minimize cabinet diffraction; musical tones remain clear and distinct, with amazing detail, transparency and three-dimensionality
- **NON-PARALLEL CABINET SURFACES** to minimize standing waves; bass response is "tight" and accurate, even during loud passages
- **ONE-INCH THICK MDF CABINET** walls and bracing; even when the speaker is playing very loudly, you hear the drivers' vibration, not the cabinet's
- **SLANTED BAFFLE BOARD** and meticulous crossover design for time and phase coherence at a listening distance of 3 meters (10 feet); musical transients are clear and distinct, stereo imaging is broad and deep
- **CHERRY WOOD VENEER** on all sides, even the back, for a deep, lustrous finish
- **AVAILABLE IN BLACK FINISH**
- **OPTIONAL WS-M7B SPEAKER STANDS** bring the tweeters up to optimum listening height

Crossover Network

- **STEEP-SLOPE 24 DB-PER-OCTAVE CROSSOVER** for reduced comb filtering, more focused, more linear, more natural sound
- **CROSSOVER FREQUENCIES** kept more than one octave away from any driver resonance or non-linearity for smooth, consistent frequency response
- **COMPUTER-OPTIMIZED CROSSOVER DESIGN** for maximum effectiveness and maximum simplicity
- **SEPARATE HIGH- AND LOW-FREQUENCY CIRCUIT BOARDS** for reduced interference, more direct connection between crossover and driver
- **AUDIOPHILE PARTS** selected for optimum sound, including polypropylene capacitors, air-core inductors, ceramic resistors, glass epoxy circuit boards, silver solder and StraightWire™ internal wiring

- **3% TOLERANCE CROSSOVER PARTS**, compared to the typical 10%, for far higher uniformity, far better matching between the left speaker and the right
- **LAMINATED STEEL CORE INDUCTORS** exhibit ultra high saturation for superb power handling, low DC resistance for high efficiency
- **CERAMIC RESISTANCE** for excellent heat dissipation

Drivers

- **MINERAL-FILLED POLYPROPYLENE WOOFER AND MIDRANGE CONES** for optimized stiffness, extremely low distortion, extremely linear frequency response
- **BUTYL RUBBER WOOFER AND MIDRANGE SURROUNDS** for high compliance and high internal damping
- **COMPUTER-OPTIMIZED THIELE/SMALL PARAMETERS** for deep bass extension and superb bass transient response
- **SEPARATE MIDRANGE AND TWEETER ENCLOSURES** for isolation from the woofer; lambswool midrange damping to suppress resonances
- **EXTENDED WOOFER VOICE COIL** with increased overhang for high power handling, lower distortion during demanding musical peaks
- **CAST MAGNESIUM WOOFER AND MIDRANGE FRAMES** are extremely rigid to resist resonances
- **ALUMINUM VOICE COIL FORMER** in the woofer has a large diameter, uses high-temperature wire for high power handling
- **WOOFER AND MIDRANGE FLUX DEMODULATION RINGS** cancel harmonic distortion that arises from inductive coupling between voice coil and magnetic field
- **FABRIC DOME TWEETER** with directivity control plate for optimal high-frequency dispersion pattern
- **FERROFLUID TWEETER COOLING** for high power handling
- **DRIVERS MOUNTED FLUSH** with large-diameter machine screws for minimum diffraction

SPECIFICATIONS

TYPE: 3-way, sealed enclosure

CROSSOVER: Computer optimized, 24dB-per-octave

CROSSOVER FREQUENCY: 300Hz, 3,000Hz

FREQUENCY RESPONSE: 50 - 20,000Hz ± 2 dB
45 - 22,000Hz ± 3 dB

IMPEDANCE: 6 ohms (nominal), 3.8 ohms (minimum)

SENSITIVITY: 86dB at 1 meter with 2.83V rms input

POWER HANDLING: 200W maximum continuous power

DIMENSIONS (WHD): 15 3/4" x 29 3/8" x 16"

WEIGHT: 55 lbs, each

SONY

Sony Electronics Inc.
1 Sony Drive
Park Ridge, New Jersey 07656
<http://www.sony.com>

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