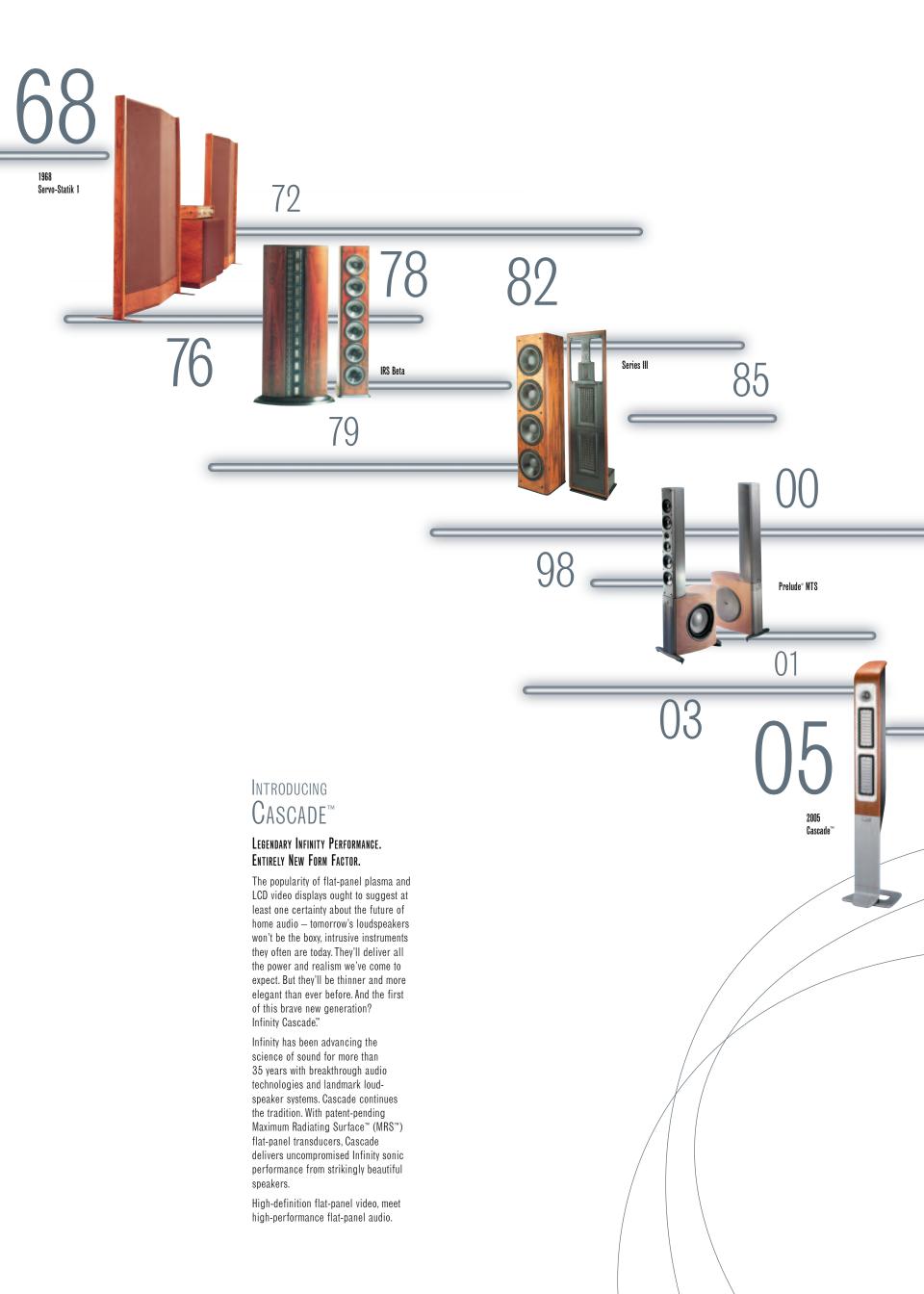




Changing the Shape of Sound... Again.









It's Not Easy Being Flat.

The appeal of flat-panel transducers has never been more obvious, and the basic technology behind them is straightforward enough. But vintage, earlier flat panels had performance limitations in the low frequencies and were prone to thermal compression. They were also expensive, with several transducers needed for use in high-performance systems. In developing Cascade's MRS transducers, Infinity's engineers incorporated new materials and technologies that have overcome the drawbacks and deliver significant performance benefits.



CMMD cones consist of a stiff aluminum core, deep-anodized on both sides (alumina) for increased strength and rigidity.

CMMD® Diaphragm.

Optimizing the parameters of Cascade's flat-panel diaphragms presented a serious engineering challenge. But by reinforcing Infinity's patented Ceramic Metal Matrix Diaphragm (CMMD®) — a uniquely rigid lightweight material — with strategic ribs and gussets, Infinity engineers were able to strike the perfect balance between electroacoustic efficiency and reliability.



DUAL ELLIPTICAL VOICE COILS.

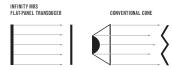
Another flat-panel challenge was finding a way to uniformly drive as much of the diaphragm's radiating surface as possible. A traditional cone is only driven by a small voice coil at its apex, but flat panels require a completely different approach. Infinity engineers developed dual elliptical voice coils for Cascade's MRS drivers. With more than six times the voice-coilcontact of a typical cone transducer, they move the diaphragm much like

an ideal piston, for crystal-clear, resonance-free operation throughout the driver's entire dynamic range.



GREATER DYNAMIC RANGE.

In addition to driving the flat diaphragm more uniformly, the dual elliptical voice coils offer another benefit. The greatly increased surface area of the coils allows them to dissipate heat more efficiently, reducing thermal compression and dramatically increasing the speaker's dynamic range. The result is increased sonic clarity with reduced distortion.



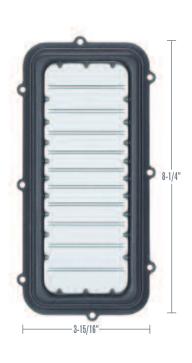
A transducer diaphragm where all points move together and in phase results in less time domain smear, when compared to conventional cone transducers.

More Uniform Radiation.

The flat pistonic response of Cascade's MRS drivers sends a cleaner, more uniform sound to listeners' ears than conventional cones. The geometry of a cone inherently creates signals of unequal length with different arrival times, causing what engineers call "time domain smear." Cascade's signals arrive together, for exceptional detail and resolution.





















MODEL SEVEN



Model Five



Model Three V



Model Three C

	FLOORSTANDING	FLOORSTANDING	BOOKSHELF/ON-WALL	BOOKSHELF/ON-WALL	CENTER CHANNEL
Recommended Amplifier Power Range	10 – 150 Watts	10 – 100 Watts	10 – 150 Watts	N/A	10 – 150 Watts
Frequency Response	80Hz — 20kHz (±3dB) 40kHz (—6dB)	100Hz — 20kHz (±3dВ) 40kHz (—6dВ)	100Hz — 20kHz (±3dB) 40kHz (-6dB)	80Hz — 20kHz (±3dB) 40kHz (—6dB)	80Hz — 20kHz (±3dB) 40kHz (—6dB)
Sensitivity (2.83V @ 1m)	87dB	85dB	85dB	87dB	87dB
Nominal Impedance	8 Ohms	8 Ohms	8 Ohms	8 Ohms	8 Ohms
Crossover Frequency	1,500Hz; 24dB/Octave	1,800Hz; 24dB/Octave	1,800Hz; 24dB/Octave	1,500Hz; 24dB/Octave	1,500Hz; 24dB/Octave
Mid-Bass Driver(s)	Dual 7-3/4" x 3-3/8" (197mm x 85mm) CMMD; magnetically shielded	7-3/4"x 3-3/8" (197mm x 85mm) CMMD; magnetically shielded	7-3/4" x 3-3/8" (197mm x 85mm) CMMD;" magnetically shielded	7-3/4" x 3-3/8" (197mm x 85mm) CMMD; magnetically shielded	7-3/4" x 3-3/8" (197mm x 85mm) CMMD; magnetically shielded
High-Frequency Driver	1" (25mm) CMMD," magnetically shielded	1" (25mm) CMMD," magnetically shielded	1" (25mm) CMMD; magnetically shielded	1" (25mm) CMMD," magnetically shielded	1" (25mm) CMMD," magnetically shielded
Dimensions (H x W x D)	47" x 10-1/2" x 11-1/2" (1194mm x 267mm x 292mm)	47" x 10-1/2" x 11-1/2" (1194mm x 267mm x 292mm)	Wall-mounted 22-1/2" x 5-1/2" x 5-1/2" (572mm x 140mm x 140mm) On included base 30-1/4" x 7-3/4" x 8-1/2" (768mm x 197mm x 216mm)	Wall-mounted 30" x 5-1/2" x 5-1/2" (762mm x 140mm x 140mm) On included base 36-5/8" x 7-3/4" x 8-1/2" (930mm x 197mm x 216mm)	5-1/2" x 30-3/4" x 6" (140mm x 781mm x 152mm)
Weight	28.2 lb/12.8kg	24.7 lb/11.2kg	Wall-mounted — 13.5 lb/8kg On included base — 20.5 lb/9.3kg	Wall-mounted — 18 lb/15kg On included base — 26 lb/11.8kg	18 lb/15kg



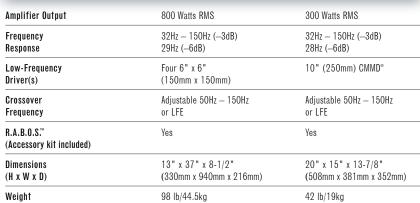
MODEL FIFTEEN POWERED SUBWOOFER



MODEL TWELVE POWERED SUBWOOFER (AVAILABLE JANUARY 2006)



REAL-WOOD CHERRY VENEER





HIGH-GLOSS BLACK



HIGH-GLOSS SILVER