

changing the landscape of loudspeakers





morel's approach to product design is very simple "Make it look good and make it sound good." With over 30 years experience manufacturing some of the world's finest loudspeaker drive units, Morel has a solid background to draw on to develop the loudspeaker systems within this catalogue.

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design

The design language applied to all models is a fusion of art and science. Defined by the top of the range fat lady, only the application and cost of the product being the limiting factors.

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listening

Morel home speaker systems are easy to position in the room and can be driven with any type of amplifier. Listening to all types of music will without doubt be an enjoyable experience, including the old less well recorded favourites.

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your choice

Whilst the technical story is undoubtedly very interesting, all you the customer need to do is ask yourself the following questions:

Do I like the way it looks? Does it sound good? Simple really.



fat lady

"... these are indeed serious loudspeakers, a true affirmation of know-how on the part of Morel. What we have here is a high level high end design, a floorstander able to combine like just a few others the ability to reproduce the lowest level sounds, with the stamina called for to take us to the realm of overwhelming dynamics, emotionally involving in a truly convincing way. ... this is still more reason to acclaim what has been achieved, in a not easily met conjugation of technology and acoustic performance."

Reviewed by Jorge Goncalves, Audio & Cinema em Casa



fat lady

The fat lady represents a journey of discovery for Morel lasting more than 3 years. The goal to develop not only a true high-end loudspeaker but to use that knowledge to introduce a new philosophy and direction for the company.

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Winner of the 2009 Ces Design and Engineering innovation award, the fat lady really is a technical tour de force incorporating many innovative design solutions.

The cabinet borrows technology from Formula One racing cars in that it is fashioned from Carbon Fibre composite. The curved form with no straight lines resembles a musical instrument and unlike conventional speaker systems has no internal damping at all. The cabinet is empty as Morel deliberately designed it to vibrate with the drive units and use this energy as part of the reproduced sound.

The all important midrange frequencies are handled by a rather remarkable 6" drive unit fitted with the new Morel Carbon Fibre /Rohacell sandwich cone. This unit when connected without a crossover is able to reproduce a full range sound from 40 Hz up to 15 KHz, without doubt a significant contributor to the open natural sound of the fat lady.

The true test of a loudspeaker is to listen to it. Auditioning the fat lady promises to be an exciting experience.

As they say: "It's not over till the fat lady sings."







octave signature

"The Morel Octave Signature excel in every aspect of small speaker design, offering performance way beyond their price point in a package that should easily integrate into any décor...This is a real world product that you can listen to a wide range of music on successfully in a reasonably sized room... I am happy to award them one of our Exceptional Value Awards for 2009 and unless something else comes along to raise the bar even further, they are on the fast track for Product of the Year in the affordable speaker category. Yes, they are that good."

Reviewed by Jeff Dorgay, ToneAudio.com Magazine



octave signature

The original Octave was introduced some ten years ago. Since that time it has evolved but retains the original shape and character, which can best be described as the ultimate "small speaker with a big sound."

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The fat lady project had a profound effect on the Morel R&D team with many new design technologies that improve sound quality, so it comes as no surprise to find a number of these technologies applied to the 2009 version of the Octave.

Like the fat lady, the Octave Signature now has no internal damping, but due to its rectangular dimensions, requires a specially arranged internal baffling system to reduce standing waves inside the cabinet. As with the fat lady the benefit is a speaker that sounds like it has no cabinet at all.

The Octave Signature series consists of the Octave Signature Bookshelf, Octave Signature Centre and Octave Signature Subwoofer. Designed in modular form the Octave Signature Subwoofer can be added to the Octave Signature Bookshelf to create a true 3 way loudspeaker system for stereo applications. Alternatively combined with the Signature AMP 2100 the Octave Signature Subwoofer becomes the LF channel in a 5.1 Home Cinema system, eliminating the need to find a home for a conventional square box subwoofer.

Available colours: Piano black, Piano white and Piano red.



octave signature



OCTAVE SIGNATURE
BOOKSHELF

The heart of the Octave Signature is the 5¼" bass midrange driver, equipped with an enormous 3" voice coil inside of which is placed the magnet system. This unusually large voice coil configuration is three times larger than on conventional drive units of this size. Bass output from this drive unit is surprisingly deep and powerful yet very articulate.



OCTAVE SIGNATURE
FLOOR-STANDING

Profiled to allow the Octave Signature Bookshelf to sit on top to create a single visual structure, the Octave Signature Subwoofer takes up no more floor space than a pair of speaker stands. Technical highlights include isobaric loading which reduces the cabinet size by half for the same bass extension. A built in passive crossover designed to create a seamless transition from the Octave Signature Subwoofer to the Octave Signature Bookshelf.



OCTAVE SIGNATURE
CENTRE

Based on the Octave Signature, the Centre uses the same woofer and tweeter but adds 2 extra woofers to create a powerful and articulate centre speaker system. By placing the tweeter on top of the cabinet above the midrange unit, the Octave Signature Centre creates a more stable sound stage, particularly when listening off axis.



SIGNATURE
AMP 2100

The Signature AMP 2100 is designed to turn the Octave Signature Subwoofer fully active for home cinema applications. The added benefit of separating the amplifier is that it can be placed next to the Receiver/ Processor to allow much easier subwoofer adjustment and simpler cable management. This amplifier has stereo or mono output /input options, to match any electronic configuration.







soundspot™
music theatre





soundspot™ music theatre 2

For the last 10 years Morel has built an international reputation for the SoundSpot satellite speaker systems. Users have complimented Morel on the high quality of its reproduction along with its modern and discrete appearance.

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The MT-2 is the more sophisticated system borrowing technology from the fat lady to bring dramatic sonic improvements over previous models.

A very intelligent installation arrangement has been developed for this system in that the speaker can be adjusted through 270 degrees horizontally and 90 degrees vertically. One screw concealed behind the magnetic grille is all that is needed to rigidly lock the satellite once the desired position has been found.

Available colours: Piano black, Piano white and Champagne.





soundspot™ music theatre 1



The MT-1 is a multi speaker system for both home theatre and Hi-Fi. Designed as a modern minimalist package it delivers the renowned Morel sound at an exceptional value.

Comprising of 5 miniature half-sphere enclosures constructed from 1mm steel, this strong and light weight solution creates less stored energy thus delivering a clearer sound with less colouration. Completing the system is the same powerful subwoofer as used in the MT-2, capable of a dynamic sound in both small and large rooms.

The MT-1 allows for a variety of speaker placement options making installation easy for optimal performance.

Available colours: Piano black, Piano white and Champagne.



soundspot™ music theatre



SOUNDSPOT™ SP-2

Inspired by the fat lady the SP-2 enclosure is a 1mm thick sphere that is deliberately left empty without damping. This unusual concept allows the enclosure to vibrate along with the music as part of the reproduced sound, however when the music stops the sphere stops, resulting in a much cleaner sound. The tweeter is placed concentrically within the woofer and time aligned. Combined with the sophisticated crossover network that optimises phase as well as the frequency response the SP-2 is a true point source speaker.



SOUNDSPOT™ SP-1

The SP-1 is a discreetly designed miniature half-sphere satellite speaker that can be easily installed in a variety of locations. Despite its modest dimensions, the SP-1 is a true 2-way system housing a high performance coaxial driver, producing a wide frequency range with exceptional dispersion characteristics. At home, as part of a 5.1 home cinema system the SP-1 delivers a surprisingly "big" powerful sound. Can also be used with high performance computers where its lively articulate sound takes full advantage of modern computer sound cards.



SOUNDSUB™ PSW8

The PSW8 subwoofer has the same high quality "piano finish" as the SP-1 and SP-2 satellites. The enclosure is a fibre-glass composition which follows the Morel design philosophy of light yet strong cabinets that store less energy. The less stored energy the cleaner the reproduction. Fitted with an 8" bass unit and a high power amplifier the PSW8 is a well matched subwoofer for MT-1 and MT-2 systems.



360° OVERVIEW



soundwall™
in-wall speakers



SoundWall™ in-wall speakers

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The SoundWall™ in-wall series delivers the same faithful reproduction that Morel fans worldwide have come to expect from their cinematic and musical experiences.

This series features numerous award-winning Morel components and incorporates hi-end drivers. Available in two performance levels and three woofers sizes.

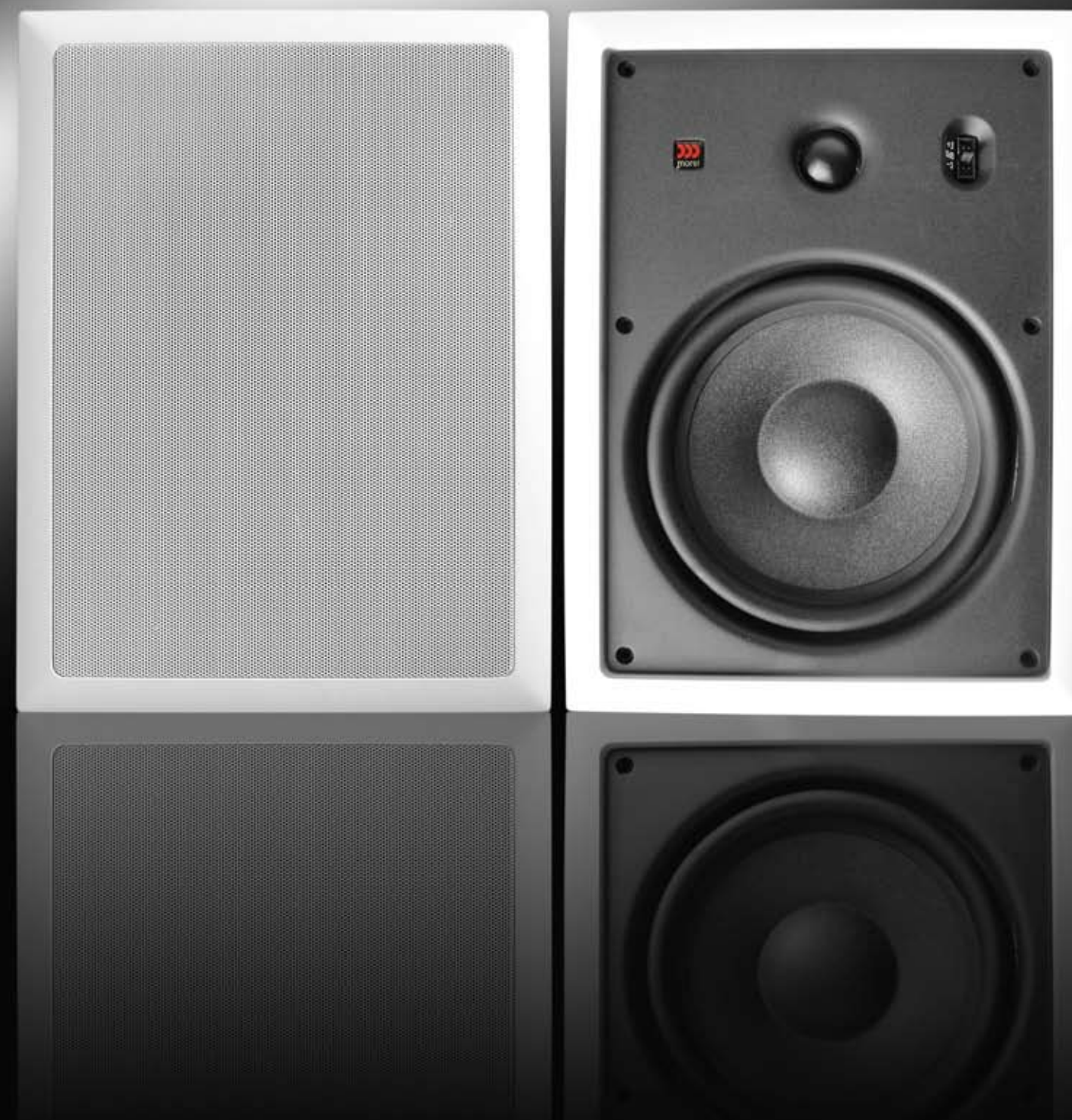
The SoundWall™ speakers are made of two pieces (frame and speaker baffle) the frame can be installed in the wall at any stage of the construction while the speaker can be fitted at a later stage. This provides an opportunity to have the grille/frame painted and the assembly finished without damaging the loudspeaker in the building process.

The drivers are installed on a CNC machined 3/4" (19mm) MDF front plate with a black spark, non glossy finish, which dramatically reduces vibrations and resonance, as well as coloration, for perfectly balanced acoustics.

All woofers include the C.A.R (Controlled Acoustic Resistance) Filter™, originally designed for car applications the filter optimizes the performance of the woofer in a free-air cavity and enables the in-wall to behave as if it had a conventional enclosure. In order to deliver a very wide dispersion at all frequencies the woofers have been designed with a flat profile architecture.

The soft-dome tweeters have a 50 degrees dispersion angle at each direction making installation and alignment an easier task, providing a wider listening area without the need for directional/pivoting tweeters.

The SoundWall series "wall-to-wall" sound stage will appeal to those who enjoy a magnificent performance whilst hiding the source.



FAT LADY

Type	3-way 4 drive units system
Construction	Composite of carbon fibre and fibre glass resin enclosure
Acoustical Loading	Ported (Bass reflex)
Drive Units	<p>Woofers: 2 x 9" (222 mm) Carbon fibre - Rohacell sandwich cone type with integrated one piece dome, Hybrid™ double magnet motor, 3" (75 mm) EVC (External Voice Coil) long-throw Hexatech™ aluminum voice coil technology.</p> <p>Midrange: 6" (160 mm) Carbon fibre - Rohacell sandwich cone type with integrated one-piece dome, double Neodymium magnet motor, Supreme™ underhung 3" (75mm) EVC™ (External Voice Coil) Hexatech™ aluminum voice coil with linear impedance copper sleeve technology.</p> <p>Tweeter: Supreme™ tweeter technology, 1.1" (28mm) Acuflex™ hand-coated soft dome, pancake Neodymium magnet motor, underhung Hexatech™ aluminum voice coil.</p>
Frequency Response	20-22,000 Hz (40-18,000 Hz ±1.5 dB)
Crossover	200Hz/ 2.2KHzw
Nominal Impedance	4 ohm
Nominal Power Handling	300 W
Peak Power Handling	1,000W 10m/sec
Dispersion	Within 1.5 dB – 18,000Hz / Horizontal: over 60° / Vertical: over 20°
Sensitivity 2.83V / 1M	88 dB
Dimension (WxHxD)	34 x 127 x 44 cm / 13 ³ / ₈ " x 50" x 17 ³ / ₈ "
Finishes	High gloss carbon fibre composite
Net Weight	44 kg. / 97 lbs

OCTAVE SIGNATURE

BOOKSHELF

SUBWOOFER

CENTRE

Type	2-way freestanding loudspeaker		3 Way 4 units, full range centre speaker with low magnetic stray field
Construction	MDF polymer-coated cabinet with separate chamber for each drive unit.	Isobaric and port-loading reflex cabinet	MDF polymer-coated cabinet with 3 separate acoustic chambers. Separate chamber for each drive unit.
Acoustical Loading	Double port bass reflex		Double port bass reflex for bass chamber/sealed for bass midrange & tweeter
Drive Units	<p>Woofers: 5¼"(130mm) rear-vented system. Double ferrite magnet motor. One piece integrated dome and surround cone, made of damped polymer composite. 3" (75mm) aluminum Hexatech™ voice coil and Morel's External Voice Coil technology (EVC).</p> <p>Tweeter: Mid/high frequency unit, low resonance soft dome, Acuflex™ coated, vented double magnet neodymium motor. 1½" (28mm) Aluminum Hexatech™ voice coil and Morel's External Voice Coil technology (EVC).</p> <p>All units are shielded with low magnetic stray field</p>	Two 9" (222mm) flat-profile woofers with 3" (75 mm) Hexatech™ aluminum coil and rear-vented Hybrid (neodymium and ferrite)double magnet motor	<p>Woofers: 2 x 5¼" (130mm) rear vented. Double magnet motor.</p> <p>Midrange: 1 x 5¼" (130mm) rear vented hybrid motor. Both feature one piece integrated dome and surround cone, made of damped polymer composite. 3" (75 mm) aluminum Hexatech™ voice coil using Morel's External Voice Coil technology (EVC).</p> <p>Tweeter: Mid/high frequency unit, low resonance soft dome, Acuflex™ coated, vented double magnet neodymium motor. 1½" (28mm) aluminum Hexatech™ and Morel's External Voice Coil technology (EVC).</p> <p>All units are shielded with low magnetic stray field</p>
Frequency Response	20-22,000Hz (40-18,000Hz ± 1.5 dB)	20-100Hz	20-22,000 Hz
Crossover	2200 Hz / 12 dB octave		2200 Hz / 12 dB octave
Nominal Impedance	4 ohm		4 ohm
Nominal Impedance for full floor-standing system		4 ohm	
Nominal Impedance for bi-amp configuration system		2 ohm	
Nominal Power Handling	120W RMS		300W RMS
Peak Power Handling	1,000W 10m/sec		1000W 10m/sec
Sensitivity 2.83V/1M	86 dB		88 dB
Dispersion	Within 1.5 dB - 18,000 Hz Horizontal: over 60° Vertical: over 20°		Within 1.5 dB - 18,000 Hz Horizontal: over 60° Vertical: over 20°
Dimension (WxHxD)	7" x 12½" x 12¾" (175mm x 315mm x 325 mm)	7" x 27" x 12¾" (175mm x 700mm x 325mm)	21¾" x 9¾" x 12¾" (550mm x 247mm x 325 mm)
Net Weight	15.4 lbs (7 kgs) each Octave unit	37.4 lbs (17 Kg)	36 lbs (16 Kg)
Finishe	Black, white and red piano finish	Black, white and red piano finish	Black, white and red piano finish

SIGNATURE AMP 2100 SPECIFICATIONS

Output Power	220 W RMS @ 4 ohm
Output Impedance	2-8 ohms at stereo
Amplification Modes	Mono / Stereo
Variable Controls	Level / Phase / Crossover / Bass boost at 45Hz
Crossover modes	Low pass 40–160Hz variable / full range / LFE
Output Terminal	4 binding post outputs
Operation Control	Auto on/off, constant mode or 12V trigger input
Voltage	115-230 VAC 50/60Hz
Dimensions (W x H x D)	17" x 17½" x 11½" (436mm x 47mm x 290mm) Or 19" x 17½" x 11½"(482mm x 47mm x 290mm)
Mounting Options	Free standing / U1 rack
Weight	8.4 lbs (3.8 Kg)
Finish	Black

SOUNDSPOT™

SOUNDSPOT SP-2

SOUNDSPOT SP-1

SOUNDSUB PSW8

Construction	Steel sphere enclosure	Steel half-sphere enclosure	Fibre-glass composite resin
Enclosure Diameter	5.5" (140 mm)	4.3" (110 mm)	
Dimensions (Ø)			16" x 13" x 9" (41cm x 35cm x 23cm)
Drive units	<p>Woofers: 4" (100 mm) woofer with 1.2" (32mm) high temperature voice coil, ferrite magnet motor.</p> <p>Tweeter: Soft dome ¾" (19 mm) liquid-cooled voice coil, neodymium magnet motor</p>	<p>Woofers: 3½" (85mm) woofer with ¾" (20mm) high temperature voice coil, ferrite magnet motor.</p> <p>Tweeter: semi-soft polymer ½" (12mm) liquid-cooled voice coil, neodymium magnet motor</p>	8" (203mm) Flat-profile woofer with 2" (50mm) voice coil and rear-vented magnet.
Nominal impedance	6 ohm	6 ohm	
Power handling	80W (150W Transients)	60W (100W Transients)	
Operating power	15-100W	15-100W	
Crossover	2,200Hz 12dB / octave	8,000Hz 6dB / octave	
Frequency response	120-22,000Hz (-5dB)	180-22,000Hz (-5dB)	30-160 Hz
Sensitivity 2.83V/1M	86dB	87dB	
Amplifier			100W continuous power. All formats compatible with automatic on/off switch, level, crossover and phase controls
Input			Line-level RCA phono jack
Voltage			85-265VAC 50/60Hz with main supply automatic voltage selector
Net weight	3.3 lbs (1.5 Kg)	2.3 lbs (1 Kg)	23 lbs (10 Kg)
Finish	Piano white, Piano black, Champagne	Piano white, Piano black, Champagne	Piano white, Piano black, Champagne

SOUNDWALL™ H Series

M Series

SPECIFICATIONS	IN-8H	IN-6H	IN-5H	IN-8M	IN-6M	IN-5M
Construction	Front baffle black printed MDF	Front baffle black printed MDF	Front baffle black printed MDF	Front baffle black printed MDF	Front baffle black printed MDF	Front baffle black printed MDF
Drive units	<p>Woofers: 8" DPC cone 3" Hexatech™ voice coil, External Voice Coil technology (EVC)</p> <p>Tweeter: 1.1" soft dome, Acuflex™ coated, Hexatech™ voice coil, double neodymium magnet motor</p>	<p>Woofers: 6" DPC cone 3" Hexatech™ voice coil, External Voice Coil technology (EVC)</p> <p>Tweeter: 1.1" soft dome, Acuflex™ coated, Hexatech™ voice coil, double neodymium magnet motor</p>	<p>Woofers: 5" DPC cone 3" Hexatech™ voice coil, External Voice Coil technology (EVC)</p> <p>Tweeter: 1.1" soft dome, Acuflex™ coated, Hexatech™ voice coil, double neodymium magnet motor</p>	<p>Woofers: 8" composite cone 3" Hexatech™ voice coil, with Morel's External Voice Coil technology (EVC)</p> <p>Tweeter: 1.1" soft dome, Acuflex™ coated, Hexatech™ voice coil, double neodymium magnet motor</p>	<p>Woofers: 6" composite cone 2.1" Hexatech™ voice coil, with Morel's External Voice Coil technology (EVC)</p> <p>Tweeter: 1.1" soft dome, double neodymium magnet motor</p>	<p>Woofers: 5" composite cone 2.1" Hexatech™ voice coil, with Morel's External Voice Coil technology (EVC)</p> <p>Tweeter: 1.1" soft dome, double neodymium magnet motor</p>
Nominal impedance	6 ohm	6 ohm	6 ohm	6 ohm	6 ohm	6 ohm
Sensitivity 2.83V/1M	90 dB	88 dB	86 dB	90dB	88 dB	86 dB
Power handling	180W	120W	100W	150W	100W	80 W
Operating power	20-200 W	20-150 W	20-120 W	20-200 W	20-150 W	20-120 W
Crossover	2,200Hz / 12 dB	2,200Hz / 12 dB	2,200Hz / 12 dB	2,200Hz / 12 dB	2,200Hz / 12 dB	2,200Hz / 12 dB
Frequency response	30-22,000 Hz	38-22,000 Hz	45-22,000 Hz	30-22,000Hz	38-20,000Hz	45-20,000Hz
Tweeter level adjustment	0 / ±2 dB	0 / ±2 dB	0 / ±2 dB	0 / ±2 dB	0 / ±2 dB	0 / ±2 dB
Grille	Metal	Metal	Metal	Metal	Metal	Metal
Overall Exterior Frame Dimensions (WxHxD)	10.4" x 14.1" x 3.3" (263 x 357 x 83 mm)	8.7" x 12" x 3.2" (220 x 305 x 82 mm)	.5" x 10.7" x 3.3" (191x 272 x 83 mm)	10.4" x 14.1" x 3.3" (263 x 357 x 83 mm)	8.7" x 12" x 3.2" (220 x 305 x 82 mm)	7.5" x 10.7" x 3.3" (191x 272 x 83 mm)
Finish	White	White	White	White	White	White



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