UNLEASH THE MUSIC
Over three and a half decades of engineering, designing and manufacturing some of the world’s premier speakers make surpassing previous achievements a challenge. But knowing there is always room for progress can serve as a driving force, enabling us to define barriers and determine how to provide solutions through advanced material use, innovative engineering, and perfecting manufacturing processes. This solution-oriented approach forms the building blocks of Morel’s business and its success. Our dedicated engineers are continually striving to perfect Morel products by constantly researching for a better understanding of how speakers work beyond the mechanical level. In the automotive world, it is extremely critical that we comprehend the delicate balance between acoustic parameters of a car and mechanical limitations in speaker design.

Morel’s pursuit to achieve perfect reproduction and musical accuracy is also an accomplishment owed to our total manufacturing control and the special cooperation between our research and development and manufacturing teams. The new car audio range represented in these pages demonstrates Morel’s mastery of creating the near perfect balance between the mechanical and acoustic performance.

A JOURNEY OF DISCOVERY: THE FAT LORD PROJECT

The Morel Fat Lady is more than just an iconic, high-end home audio loudspeaker system. It started as a three year project conducted by our engineers that enabled us to push boundaries, stretch the imagination, and to look for new ways to build a loudspeaker that could genuinely recreate “the live experience”, that electric feeling of really “being there” at a concert.

Throughout the development process, Morel learned how to exploit the acoustic potential of new materials and techniques, some of which were borrowed from Formula-One racing and the aerospace industry. Some examples are the extensive use of carbon fibre in the very complex fat lady cabinet and drive units, and a high-tech material called Rohacell (used between two carbon fibre layers to form a sandwich construction for some Morel woofer cones).

The Fat Lady project also led to a new topology in crossover design. Much of what was learned was applied to the new Morel car audio line, bringing the quest for “sound stage” and “image” stability within the car environment much closer to reality.

The ultimate test

Such a radical product demands meticulous attention to detail throughout its journey, from a mass of parts to a finished and tested speaker system ready for sale. In order to facilitate this, Morel created new advanced manufacturing and testing procedures, which all Morel products benefit from.

Each Morel car audio system was designed to present music as close to the real thing as possible. Hearing is believing, so experience Morel for yourself!
The new 38 Anniversary Limited Edition system is the culmination of over three decades of R&D and manufacturing expertise, marking the next evolution for high-end car audio.

What sets this speaker system apart from the competition? It starts with the materials, like the titanium voice coils (in the woofers), carbon fiber/Rohacell sandwich cones and the machined aluminum face plates for the tweeter and midrange. Add the advanced crossover with top quality components and Lotus grille and you begin to see why the 38 is a CEA 2014 Innovations Award recipient.

This speaker set embodies some of our best ideas brought to life. With a specially designed new Uniflow™ Air technology that can provide increased air and sound flow in the woofer (up to four times more than in previous Morel drivers), the 38 has an open and aerodynamic chassis and magnet system design that reduces inter-modulation distortion, stretching the neodymium high grade magnet segment even further. The 38 LE marks a new level of sound quality with incredible accuracy in audio reproduction combined with exceptional musicality. This set, available as a 2- or 3-way system, delivers what you would expect to hear from speakers of this stature—a beautifully natural, dynamic and articulated sound, placing the listener in the best seat in the house for an emotionally engaging life-like experience.
The Supremo is Morel’s reference mobile audio sound system. Employing technical innovation from Morel’s flagship home audio speaker, the fat lady. This new generation Supremo is the a recipient of the 2012 CEA Innovation award. The Supremo represents a tour de force of Morel’s expertise and craftsmanship, elevating car audio musical presentation to a whole new level.

We challenge you to experience the Supremo. You will be drawn irresistibly to the music, feeling the same adrenaline rush as being present at a live concert, but this time in your own car.

**Supremo Woofer**
An optimized version of the fat lady mid-bass woofer, for precision, linearity, dynamics, and wide frequency range.

**Supremo Piccolo Tweeter**
Seamlessly matches the Supremo woofer with an exceptionally low resonance point and flat frequency response.

**MXR Crossover**
Engineered to meet the most challenging acoustic conditions of a car, the new MXR crossovers employ Mundorf components, positive phase, sharp roll-off, and resistor-free signal paths to create total sound integration between the Supremo components for a realistic three-dimensional sound.

<table>
<thead>
<tr>
<th>Model</th>
<th>Max &amp; Peak Power</th>
<th>Frequency (Hz)</th>
<th>Sensitivity (dB)</th>
<th>Crossover Type</th>
</tr>
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<tbody>
<tr>
<td>SUPREMO 602</td>
<td>140 / 600</td>
<td>40-25000</td>
<td>89</td>
<td>UNLEASH THE MUSIC</td>
</tr>
</tbody>
</table>

**Technology Bar**
- One-piece carbon cone
- Hexatech™ Aluminum vc
- EvC™ structure
- Acuflex™ coated tweeter
- Double neodymium magnet motor
- Shielded magnet
- MXR direct crossover
- C.A.R filter™
- Uniflow™ chassis
- Lotus transparent grille
- Copper shorting rings
- Under-hung voice coil
- Extra large 3” voice coil
The Elate is recognized as an icon in car audio. Morel’s R&D re-engineered this series to combine newly developed technologies to deliver precision, musicality and high power capability like never before.

Borrowing technologies from Morel’s high-end cutting-edge hifi raw-drivers, the Elate Titanium woofers feature a new titanium bottom (voice coil former) made to produce a quick transient response that aligns with the acoustic challenges of the car, allowing the woofer to match different enclosures for different car doors. The woofers continue to employ Morel’s C.A.R filter™ and 3-inch EVC™ with Hexatech™ technology. Complementing the woofers is the new MT350 hand-crafted Acuflex™ soft dome tweeter with a vented cavity design for improved transiency and dynamic range. The tweeter has a smaller footprint and a completely new mounting design for easier installation in factory locations. An improved CDM880 Acuflex™ soft dome midrange provides lower resonance and a higher X-Max.

When it all comes together, the new Elate Titanium series recreates a soundstage with astounding transparency and imaging, while being more musically dynamic than ever.

**ELATE TITANIUM**

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When it all comes together, the new Elate Titanium series recreates a soundstage with astounding transparency and imaging, while being more musically dynamic than ever.
Some proclaim the Hybrid as one of the best sounding speaker systems we produce, and the latest generation takes it steps closer to perfection. At the heart of the new Hybrid is an unconventional, innovative and highly effective Hybrid magnet system. These woofers are now paired up with our famed MT230 tweeters and MXR crossovers to deliver extraordinary sound that’s even more pleasing to the ear than before.

The addition of the 2013 CEA Innovation award winning Hybrid Integra expands the installation options of the Hybrid series. Morel’s Integra concept minimizes phase error and allows the sound field to be constant in all directions, making it easy to achieve audiophile grade performance even when space is limited.
Innovative technology and a distinct design philosophy have been the guiding ideas at the heart of Morel. Since the founding of the company, Morel established a reputation for manufacturing original and distinctive products that meet the challenge posed by the acoustic limitations in a car in order to achieve realistic audio performance and better product reliability. This can only be achieved by Morel’s total control over all manufacturing and testing processes.

The following explains some of the iconic technological traits that have become the foundation of Morel speaker designs:

Lotus Grille
The new Morel grille has a specific pattern of holes in different shapes and diameters engineered to minimize the “horn” effect (high frequency peak caused by the resonant frequency of multiple same-size holes). Innovative metal processing enabled the construction of a very thin nearly transparent grille that hardly affects the sound at all frequencies whilst maintaining structural integrity to protect the drivers.

The Lotus grille is a registered design protecting Morel’s intellectual property.

Woofer Cones
Strength, shape, weight and damping—finding the correct correlation between these four aspects of a cone require technical experience and practical know-how. Our latest generation of drivers takes these carefully balanced parameters to a new level, utilizing shallow, one-piece cone constructions for wide dispersion, accuracy and low distortion.

Carbon Fibre
Derived from the drivers of our award winning Lady speaker system, this cone design is comprised of two exterior carbon fibre skins sandwiching a layer of Rohacell, a high strength, featherweight foam. The combination forms a cone that is light, strong and properly damped for naturally uncoupled audio reproduction.

DPC
DPC, or Damped Polymer Cone, is a direct derivative of the cones Morel has built its reputation upon. With high self-damping characteristics, this cone provides exceptional sound quality without coloration or harshness.

Paper Composite
In use since the first loudspeakers, paper continues to be an exceptional material of choice. Morel’s latest paper composite cones are ultra lightweight, making them an exceptional pairing for drivers using smaller motors and voice coils.

Titanium Bobbin
The bobbin material has influence on the acoustical parameters of the driver, its power handling and the reproduced sound quality. By using titanium bobbin, Morel intended to raise the Mechanical Factor (QMS) in order to enable a wider selection of enclosures types and sizes. As for the sound quality, one is able to discern a distinctive “crisper” sound when compared to an equivalent driver with aluminum bobbin. The rigid characteristic of titanium, along with its other advantages produce a driver that is tonally balanced and accurate, with exceptionally fast transient response.

Hexatech™ Aluminium Voice Coil
Made from 100% aluminium wire shaped like a honeycomb, the Hexatech™ voice coil reduces air gaps in the coil windings, thereby increasing efficiency by up to 20%. Being lightweight, Hexatech™ voice coils are largely responsible for the extraordinary fast transient responses Morel drive units are known for.

Acuflex™ Technology
A specially engineered damping compound applied to the soft domes of specific Morel tweeters and midranges. The combination of these materials creates a diaphragm that exhibits controlled breaking up (accurate–flexing), meaning each break-up mode is counteracted by another in the opposite direction. This cancellation of break-up modes leaves nothing but the pure, natural sound Morel tweeters and midranges are famous for.

Integra
Derived from the word “integrate”, Integra is a speaker consisting of both a woofer and tweeter that shares a common chassis. Unlike a coaxial, its recessed tweeter is concentrically aligned with the woofer cone. This minimizes phase error and allows the sound field to be constant in all directions, creating a near perfect time alignment.

Magnet Technology
Morel’s experience in motor design has allowed it to harness the magnetic energy in extremely effective manners. Typically the bigger the magnet the more energy however; in automobiles, there is often not the space for physically large magnets. Morel offers a number of solutions to deal with this problem.
Ferrite
Ferrite magnets are the most commonly used in speakers. While they look similar, there are several grades of magnets. Morel uses only the highest intensity available in its designs. As a result, Morel’s magnetic systems are highly compact yet deliver more magnetic flux than conventional ferrite magnets.

Neodymium
The most powerful magnet available, neodymium enables Morel to create physically compact speakers, such as tweeters and midrange, that fit in very limited spaces without limiting the quality of sound.

Double Ferrite
Morel’s double ferrite drive system generates more magnetic energy than a single magnet of similar size, increasing efficiency and the dynamic range. The position of the secondary magnet fixed above the top plate in the motor is the key in controlling stray magnetic flux, thus generating a more focused magnetic field while also contributing to the “shielded” characteristic of our speakers.

Hybrid
The Hybrid motor drive system uses a ferrite magnet together with a very powerful neodymium magnet. Combined, they create a compact, lightweight motor system that is up to four times more powerful than conventional designs of the same size. With Hybrid, more amplified power is converted into sonic energy for flawless performance, even in a small driver.

Shielded Magnet Technology
The modern car environment is highly sensitive to stray magnetic fields. Vehicles now use several computer control devices throughout the car and conventional non-shielded speakers can be a threat to the vehicle’s electrical integrity. Morel speakers featuring the company’s EVC™ technology are more than 90% shielded—safe for installation in today’s high-tech vehicles.

C.A.R. Filter™
(Controlled Acoustic Resistance)
In most automotive applications, speakers are installed in a virtual free-air environment, such as a door, which provides minimal acoustic loading. The C.A.R. FilterTM improves the acoustic loading by controlling airflow within the driver, mimicking the effects of a cabinet while improving power handling by 30%. This provides greater control over the cone movement for improved bass dynamics.

MXR Crossover
Morel Crossover Resolution (MXR) is derived from the tour de force fat lady speaker system and combines several new concepts and features that improve the sound presentation and sound quality of Morel’s systems.

Uniflow™ Chassis
Uses an open design that is aerodynamically efficient, allowing air and sound waves to flow uniformly and smoothly. Its geometric shape also eliminates interference with the woofer’s moving components, enabling the use of a low-profile speaker for greater support and stability.
The recent Virtus series offers Morel’s core technological virtues at an exceptional value. Available as two and three-way component systems, each Virtus set adheres to Morel’s trademark acoustic signature, thus providing car audio enthusiasts complete system design flexibility for every front, rear and center channel application. The Virtus series embodies Morel’s technological advancements, featuring the Unified woofer chassis, a compact design that allows it to fit in the size constraints of today’s cars, a new MT120 Acuflex™ soft dome tweeter and the new MXR crossover technology for total component integration of the carefully refined acoustic parameters, between tweeter, midrange and woofer. The Virtus is the culmination of design and technology working in concert to bring emotion to music with a balance of rich, natural midrange, high frequency detail and vibrant bass.

**VIRTUS**

<table>
<thead>
<tr>
<th>Model</th>
<th>Rear 1 Crossover</th>
<th>Rear 2 Crossover</th>
<th>Front Crossover</th>
<th>Rear 3 Crossover</th>
<th>Power Handling (Wrms)</th>
<th>Power Handling (Peak)</th>
<th>Sensitivity (2.83V/1M)</th>
<th>Frequency Response (Hz)</th>
<th>Crossover</th>
</tr>
</thead>
<tbody>
<tr>
<td>VIRTUS 402</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>100 / 300</td>
<td>300</td>
<td>88</td>
<td>70-22000</td>
<td>MXR200.3</td>
</tr>
<tr>
<td>VIRTUS 502</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>120 / 300</td>
<td>300</td>
<td>90</td>
<td>65-22000</td>
<td>MXR300 / MXR200.3</td>
</tr>
<tr>
<td>VIRTUS 602</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>140 / 300</td>
<td>300</td>
<td>91</td>
<td>55-22000</td>
<td>MXR300 / MXR200.3</td>
</tr>
</tbody>
</table>

**Technology Box**

- Paper Composite Cone
- Hexatech™ Aluminum VC
- EVC™ Structure
- Acuflex™ Coated Tweeter
- Double Ferrite Magnet Motor
- Shielded Magnet
- MXR Direct Crossover
- c.A.R Filter™
- Octopus Grille
- Large 2” Voice Coil
The new additions to the Tempo series practically elevate the line into another class. The Tempo Ultra features both 2-way and point source solutions for those music aficionados who demand outstanding sonic performance and power while still getting tremendous overall value. The new models feature a large voice coil and a stronger magnet system, which provide increased power handling (up to 30% more than the current Tempo), with lower distortion levels and improved bass response. Morel’s renowned 1.1” (28mm) soft dome tweeter delivers the detail and dynamics for a truly memorable musical experience.

The Integra point source design was developed to reproduce a constant and coherent sound field. Whether it is being used for rear-fill or as the main components for a front stage, the Tempo Ultra Integra will offer great dynamics, soundstage orientation and neutrality.

<table>
<thead>
<tr>
<th>Model</th>
<th>Power Handling (Wrms) / Peak Power (W)</th>
<th>Sensitivity (2.83V/1M) (dB)</th>
<th>Frequency Response (Hz)</th>
<th>Crossover</th>
</tr>
</thead>
<tbody>
<tr>
<td>TEMPO ULTRA 502</td>
<td>80 / 120</td>
<td>92 / 90</td>
<td>55-22000</td>
<td>TC: 3200Hz TW: 3200Hz</td>
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<tr>
<td>TEMPO ULTRA 602</td>
<td>100 / 150</td>
<td>89 / 90</td>
<td>50-22000</td>
<td>TC: 3200Hz TW: 3200Hz</td>
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<tr>
<td>TEMPO ULTRA 572</td>
<td>100 / 150</td>
<td>90 / 90</td>
<td>60-22000</td>
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<td>TEMPO ULTRA 692</td>
<td>140 / 210</td>
<td>92 / 90</td>
<td>35-22000</td>
<td>TC: 3200Hz TW: 3200Hz</td>
</tr>
</tbody>
</table>
Outstanding performance, power and value.

Featuring some of Morel’s key innovative technologies, Tempo speaker systems promise car audio enthusiasts the best performance in their class. Morel designed Tempo to be efficient, easy to install, while offering great power handling. Tempo can be connected to a quality amplifier to achieve a powerful yet musical performance.

**Technology Bar**
- Treated paper composite cone
- 28mm coated tweeter
- mXr direct crossover
- High grade ferrite magnets

<table>
<thead>
<tr>
<th>Model</th>
<th>Size &amp; Configuration</th>
<th>Power Handling</th>
<th>Sensitivity</th>
<th>Frequency Response</th>
<th>Crossover</th>
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<tbody>
<tr>
<td>TEMPO 5</td>
<td>5¼” 2-way</td>
<td>110 / 280</td>
<td>89</td>
<td>60-22000</td>
<td>3800 Hz WF: LPF-6dB</td>
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<tr>
<td>TEMPO 6</td>
<td>6½” 2-way</td>
<td>120 / 280</td>
<td>90</td>
<td>50-22000</td>
<td>4000 Hz</td>
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<tr>
<td>TEMPO COAX 4</td>
<td>4” Coaxial</td>
<td>50</td>
<td>88</td>
<td>75-22000</td>
<td>6500 Hz</td>
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<td>89</td>
<td>65-22000</td>
<td>4000 Hz</td>
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<tr>
<td>TEMPO COAX 6</td>
<td>6½” Coaxial</td>
<td>110</td>
<td>90</td>
<td>55-22000</td>
<td>6500 Hz</td>
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<tr>
<td>TEMPO COAX 5X7</td>
<td>5x7” Coaxial</td>
<td>90</td>
<td>90</td>
<td>65-22000</td>
<td>6500 Hz</td>
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<tr>
<td>TEMPO COAX 6X9</td>
<td>6x9” Coaxial</td>
<td>140</td>
<td>91</td>
<td>50-22000</td>
<td>3800 Hz</td>
</tr>
</tbody>
</table>

UNLEASH THE MUSIC
The Maximo series is an opportunity to discover the sound Morel is famous for without breaking the budget. Engineered to easily integrate with most factory head units or be powered with a small amplifier, the Maximo series will elevate any audio system to new performance level.

MAXIMO & MAXIMO COAX

The Maximo series are designed to provide Morel’s high quality sound with easy car integration and installation. With its newly developed high efficiency hybrid magnet motor it delivers lively bass and a powerful overall performance. Even when driven by a factory head unit, it can deliver up to three times more output than the stock system—which shows how a simple upgrade can make a world of difference.

MAXIMUS

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Technology Box

- Treated paper composite cone
- High grade ferrite magnets
- Soft Dome Tweeter
- mXr direct crossover
- Hybrid magnet motor – Maximus
- corrugated ultra light surround – Maximus
- low energy loss crossover network – Maximus

Model | Power Handling (Wrms) / Peak Power (W) | Sensitivity (2.83V/1M) (dB) | Frequency Response (Hz) | Nominal Impedance (ohm) | Integrated Crossover
---|---|---|---|---|---
MAXIMO 5 5¼” 2-way | 80 / 220 | 90 | 60-20000 | 4 ohm | 3500 Hz WF:LPF-12dB TW:HPF-12dB
MAXIMO 6 6½” 2-way | 90 / 240 | 91 | 50-20000 | 4 ohm | 3500 Hz WF:LPF-12dB TW:HPF-12dB
MAXIMO COAX 4 4” Coaxial | 45 | 87 | 75-20000 | 4 ohm | 3500 Hz WF:LPF-12dB TW:HPF-12dB
MAXIMO COAX 5 5¼” Coaxial | 70 | 89.5 | 65-20000 | 4 ohm | 3500 Hz WF:LPF-12dB TW:HPF-12dB
MAXIMO COAX 6 6½” Coaxial | 80 | 91 | 55-22000 | 4 ohm | 3500 Hz WF:LPF-12dB TW:HPF-12dB
MAXIMO COAX 6X9 6x9” Coaxial | 100 | 92 | 50-20000 | 4 ohm | 3500 Hz WF:LPF-12dB TW:HPF-12dB
MAXIMUS 602 6½” 2-way | 60 | 94 | 60-22000 | 4 ohm | Integrated Crossover

Model | Power Handling (Wrms) / Peak Power (W) | Sensitivity (2.83V/1M) (dB) | Frequency Response (Hz) | Nominal Impedance (ohm) | Integrated Crossover
---|---|---|---|---|---
MAXIMUS 602 6½” 2-way | 60 | 94 | 60-22000 | 4 ohm | Integrated Crossover

High Efficiency System

UNLEASH THE MUSIC

UNLEASH THE MUSIC
The same uncompromising dedication to innovation, craftsmanship and sound quality that have made Morel the choice of music aficionados worldwide, bring you leading subwoofer design and technology for the ultimate bass experience.

Morel’s design principles take a broader approach than what is found in common subwoofers that focus on enclosure size and output, creating a balance of control, extension and transparency within a system. The subwoofer seems to disappear into a system, becoming an instrument of the music.
Engineered to set a new standard in subwoofer technology and bass performance, the Ultimo and Ultimo SC are equipped with a gigantic 5.1” Hexatech™ External Voice Coil (EVC™) that is constructed of a heavy gauge, high temperature aluminum wire around an extra thick aluminum former to produce articulated output up to their respective RMS power ratings. The new DMM™ (Dual Magnet Motor) motor design achieves over 90% efficiency and the PFS™ (Progression Field Symmetry) spider/surround technology stiffens the spider as excursion level increases ensuring maximum linearity, minimum distortion, and truly flat response.

The Ultimo and the Ultimo SC share similar technologies, but are designed to offer different power handling and price options.

### Technology Bar
- One piece carbon hybrid cone
- Hexatech™ Aluminum vc
- EVC™ structure
- Double ferrite magnet motor
- Uniflow™ chassis
- Extra large 5.1” voice coil
- PFS architecture
- Large X-max (Ultimo)
- Accucenter™ (Ultimo)

### Model Nominal Impedance (ohms)

<table>
<thead>
<tr>
<th>Model</th>
<th>Nominal Impedance (ohms)</th>
<th>Power Handling (Wrms)</th>
<th>Max. Trans. Pwr Handling (10ms)</th>
<th>Sensitivity (2.83V/1M) (dB)</th>
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</thead>
<tbody>
<tr>
<td>ULTIMO 122</td>
<td>2</td>
<td>1000</td>
<td>3000</td>
<td>88</td>
</tr>
<tr>
<td>ULTIMO 124</td>
<td>4</td>
<td>1000</td>
<td>3000</td>
<td>87</td>
</tr>
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<td>2000</td>
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<td>800</td>
<td>2000</td>
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<td>600</td>
<td>2000</td>
<td>85</td>
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</table>
The Primo was engineered to offer the Morel build and sound quality to those who are looking for exceptional value. Available in 8", 10" and 12" sizes, Primo subwoofers feature stiff, treated paper cones, high-grade ferrite magnets and 2-inch voice coils to provide superior electromechanical forces, ensuring linearity.

Primo was designed to work well in both sealed and vented applications, with high-grade ferrite magnets and 2-inch voice coils to provide superior performance.

### Technical Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Power Handling (Rms)</th>
<th>Nominal Impedance (ohms)</th>
<th>Frequency Response (Hz)</th>
<th>Nominal Power Handling (Wrms)</th>
<th>Nominal Sensitivity (dB)</th>
</tr>
</thead>
</table>

### Voice Coil Information

| Voice Coil Type | Voice Coil Wire | Voice Coil Diameter | Voice Coil Induct. @1 kHz (MH) | Max. Linear ex./Xmax - mm (inch) | Aluminum | Aluminum | Aluminum | Aluminum | Aluminum | Aluminum | Aluminum | Aluminum | Aluminum | Aluminum |
|----------------|-----------------|---------------------|-------------------------------|---------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Hexatech™       | Carbon-fiber    | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 0.27 0.27 0.26 0.26 0.27 0.27 0.27 0.27 0.27 0.27 0.27 0.27 0.27 0.27 0.27 | 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 | 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | 0.45 0.45 0.45 0.45 0.45 0.45 0.45 0.45 0.45 0.45 0.45 0.45 0.45 0.45 0.45 |

### Power Handling

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<td>400 500 600 700 800 900</td>
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### Nominal Impedance

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<th>2 4 2 4 2 4 2 4 2 4 2 4 2 4 2 4</th>
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<td>2 4 2 4 2 4 2 4 2 4 2 4 2 4 2 4</td>
<td>2 4 2 4 2 4 2 4 2 4 2 4 2 4 2 4</td>
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### Frequency Response

|-------------------------|---------------------------------|---------------------------------|---------------------------------|

### Nominal Power Handling

<table>
<thead>
<tr>
<th>Nominal Power Handling (Wrms)</th>
<th>1000 1000 1000 1000 1000 1000</th>
<th>1000 1000 1000 1000 1000 1000</th>
<th>1000 1000 1000 1000 1000 1000</th>
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</thead>
<tbody>
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<td>1000 1000 1000 1000 1000 1000</td>
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</tbody>
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### Nominal Sensitivity

<table>
<thead>
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<th>Nominal Sensitivity (dB)</th>
<th>89 89 88 87 86 85</th>
<th>89 89 88 87 86 85</th>
<th>89 89 88 87 86 85</th>
</tr>
</thead>
<tbody>
<tr>
<td>89 89 88 87 86 85</td>
<td>89 89 88 87 86 85</td>
<td>89 89 88 87 86 85</td>
<td>89 89 88 87 86 85</td>
</tr>
</tbody>
</table>

### Morel operates a policy of continuous product design improvement, consequently specifications are subject to alteration without prior notice.
<table>
<thead>
<tr>
<th>Parameter</th>
<th>SUPREMO</th>
<th>WooferS</th>
<th>ELATE TI</th>
<th>MW 5</th>
<th>HYBRID</th>
<th>HYBRID</th>
<th>HYBRID</th>
<th>HYBRID</th>
<th>HYBRID</th>
<th>HYBRID</th>
<th>HYBRID</th>
<th>INTEGRA 5</th>
<th>HYBRID</th>
<th>HYBRID</th>
<th>HYBRID</th>
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<th>TEMPO</th>
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<tr>
<td>Unit Diameter mm (inch)</td>
<td>165 (6.50)</td>
<td>135 (5.25)</td>
<td>165 (6.50)</td>
<td>222 (8.75)</td>
<td>104 (4.0)</td>
<td>135 (5.25)</td>
<td>165 (6.50)</td>
<td>104 (4.0)</td>
<td>135 (5.25)</td>
<td>165 (6.50)</td>
<td>135 (5.31)</td>
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<td>235x165</td>
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<td>Ferrite</td>
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<td>Ferrite</td>
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<tr>
<td>Voice Coil Diameter mm (inch)</td>
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<td>35 (1.38)</td>
<td>35 (1.38)</td>
<td>30 (1.18)</td>
<td>30 (1.18)</td>
<td>30 (1.18)</td>
<td>30 (1.18)</td>
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<td>30 (1.18)</td>
<td>30 (1.18)</td>
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<tr>
<td>Voice Coil Wire Diameter mm (inch)</td>
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<td>0.8 (0.03)</td>
<td>0.8 (0.03)</td>
<td>0.8 (0.03)</td>
<td>0.8 (0.03)</td>
<td>0.8 (0.03)</td>
<td>0.8 (0.03)</td>
<td>0.8 (0.03)</td>
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<td>0.8 (0.03)</td>
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<tr>
<td>Voice Coil Wire Material</td>
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</tr>
</tbody>
</table>

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[1] Design by David Haliva