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the fat lady

changing the landscape of loudspeakers







the fat lady project



the fat lady project

“It's not over till the fat lady sings”

A unique starting point for the development of an inspirational loudspeaker system.

Morel needed to take a radical design stance in order to create a loudspeaker to be recognized by the hi-fi cognoscenti, with a form to stimulate the visual senses whilst not dominating the living space.

With more than three decades' expertise of manufacturing some of the world's finest loudspeaker drive units — used by many legendary hi-fi companies — expectations for the new design were high.





the fat lady cabinet

The ideal cabinet for the fat-lady needs to be strong and light in weight. Light and strong are expressions associated with the design of high performance racing cars and aircrafts, so where better to look for materials to construct the cabinet.

For the composition of the fat lady enclosure, an outer layer of lacquered carbon fiber is optimally mixed with fiber glass and epoxy resin. Utilizing the very latest in manufacturing techniques, Morel have produced a mold that affords the R&D team total freedom to create a design that is both acoustically and visually sublime.

The curved shape with no straight lines is similar to a musical instrument. Unlike conventional loudspeakers it has absolutely no internal damping: the inside of the cabinet is empty. The cabinet is allowed to vibrate in a controlled manner along with the drive units and uses this energy as part of the reproduced sound.

The clever part is that the cabinet 'sings' with the drive unit but stops immediately when the drive unit stops so there are no delayed resonances. The result is a speaker that sounds as if it has no cabinet at all.



the fat lady components

The heart and soul of a loudspeaker are the components within it. These produce the sound, which is why it pays to select the finest available.

Most speaker companies purchase drive units from specialist manufacturers for their designs, and this often produces excellent results. Morel, however, designed, developed and fine tuned the drive units specifically for the fat lady. The difference in approach can be likened to buying a first class suit from a menswear store or having a bespoke suit made-to-measure in London's Saville Row.



fat lady sound and experience

It can be said the total is greater than the sum of its parts.
The fat lady really is a technical tour de force.

The true test of a loudspeaker is to listen to it. Be prepared for an emotional onslaught as soon as the music starts: expect to be captivated and drawn into the performance. Auditioning the fat lady promises to be a very tactile and exciting experience.

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



specifications

Type	3-way 4 drive units system
Construction	Composite of carbon fiber and fiber glass resin enclosure
Acoustic Loading	Ported (Bass reflex)
Drive Units	Woofers: 2x9" (222mm) Carbon fiber-Rohacell sandwich cone type with integrated one-piece dome, Hybrid™ double magnet motor, 3" (75mm) EVC™ (External Voice Coil) long-throw Hexatech™ aluminum voice coil Technology Midrange: 1x6" (152mm) Carbon fiber-Rohacell sandwich cone type with integrated one-piece dome, Neodymium magnet motor, Supreme™ underhung 3" (75mm) EVC™ (External Voice Coil) Hexatech™ aluminum voice coil with linear impedance copper sleeve Technology Tweeter: Supreme™ tweeter technology, 1.1" (28 mm) Acuflex™ hand-coated soft dome, pancake Neodymium magnet motor, underhung EVC™ (External Voice Coil) Hexatech™ aluminum voice coil.
Frequency Response	20-25,000 Hz (60-18,000 Hz ±1.5 dB)
Crossover	200 Hz/ 2.5 KHz
Nominal Impedance	4 ohm
Nominal Power Handling	300 W
Peak Power Handling	1000 W
Sensitivity 2.83V / 1M	87 dB
Dimensions (WxHxD)	34 x 127 x 44 cm / 13 3/8" x 50" x 17 3/8"
Finish	High gloss carbon fiber composite
Net Weight	44 kg. / 97 lbs.

The Fat Lady was designed in collaboration with Alain Fouraux and David Zuman.

Through audio, video, painting, sculpture, animations and product design, Alain Fouraux channelled his interest in the field of architecture and urban planning, leading him to be senior in Office For Metropolitan Architecture (O.M.A.), where he participated in milestone designs of the past decade. David Zuman experienced Integrated Design for over two decades between Industrial & Consumer, Video & Multimedia Broadcast production, Branding and Advertisement, Interior & Architecture design. Throughout his carrier he collaborated with numerous multinational companies while building an academic experience as Professor in top Universities in Milan, Seoul and Hong Kong. Currently both are running the Urban Advertising Company "NERVECORP"

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