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Profile 2009



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Profile **2009**



Profile 900

Breaking the limits is the only possible way to innovation

The Profile 900 line is the expression of an idea: create an acoustic loudspeaker whose function is immediately apparent. To pursue the superfluous, remove all unnecessary visual elements that render the object aggressive or intruding, lean towards a formal simplicity for each detail, each curve seems organic rather than drawn... this is the only possible way to create in the end a loudspeaker that easily integrates just as surely as

it carries a strong personality. But this only becomes possible when technology and aesthetics have become one, when they have consumed and absorbed their own restrictions. Profile 900 is above all a high performance loudspeaker line, which cannot allow even the smallest concession to aesthetics. It is this challenge, the result of two years of hard work in collaboration with a design agency which motivated Profile

to evolve towards new technological solutions never seen in this segment. Invent a new manufacturing process and adopt a resolute attitude to achieve the impossible, these are the keys to the Profile 900 project. Breaking the limits is the only possible way to innovation.

> Profile, Diamond Black exclusive finish.
Organic glass. Soaking up the light...





> Based on high-end furniture, the Diamond Black finish uses rigid panels in Acrylic – or organic glass. Its first-rate optical properties provide exceptional black depth in harmony with Profile's aesthetic dimension and strengthen its unique nature.



Diamond Black

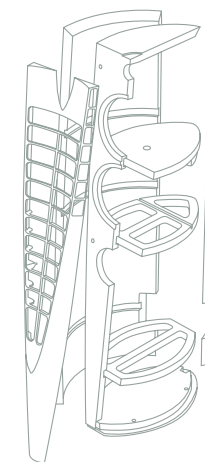
Technologic perfection, shape perfection

For Profile, the cabinetwork was created to make the most of Focal speakers. No vibration, no internal resonance, extreme rigidity... The curved shapes of the sides, the absence of parallel partitions and the continually changing sections of the speakers give its visual identity to the loudspeaker in which the appearance of stationary waves have been done away with. Based on a propeller blade, Profile offers perfect shapes to eliminate the

constraints linked to the acoustic loudspeaker at the source. The side panels, obtained by curving 6 layers of MDF are highly rigid and provide an unbreakable barrier against vibrations.

Likewise, the sophisticated lines of the fabric covers are not only an element of protection, but have been integrated during the development of the speaker to load the tweeter and should be kept in place to ensure optimum perfor-

mance. All these choices are above all guided by the search of maximum performance before being an aesthetic concern, which makes the perception of the loudspeaker obvious in its simplicity.



> The curved sides are joined to the back on a true backbone, while numerous internal reinforcements improve the structural strength of the entire structure. The shape, which is continually changing in height, eliminates the resonance modes and internal stationary waves which may arise.



> The aluminium tweeter support gives Profile a strong visual identity. As it is also a very heavy mechanical piece, it eliminates vibrations and enables assembly through the interior of the speaker without any visible screw.

Chic underside

They could have been simply beautiful...

Profile's clear and aesthetic lines were not our only concern: a Focal loudspeaker is above all a world-recognized sound quality. The most advanced technologies are an essential part of Profile 900.

The aluminum/magnesium inverted dome tweeter is born from the technological heritage of the pure Beryllium dome created for our Utopia range, and provides the highest behavior quality. Able to reach more than 30kHz without any problems or any resonance, thanks to optimum damping, this tweeter also benefits from a highly sophisticated design (Poron® surround, tuned cavity, new dome design, die-cast

Zamac chassis), which optimizes its response to the cut-off neighborhood frequency, with very low distortion and resonance frequencies. The result of all this: a tweeter which plays on a very low frequency (2600Hz) so that it relays as quickly as possible with the midrange for maximum definition and dynamics.

Likewise, the composite "W" sandwich, invented by Focal in 1995 for the first Grande Utopia was endowed with a performance without equivalent, at least 20 times superior to the most sophisticated, advanced competitive technologies. This technology is the essential key to definition and precision of our loudspeakers. After many successive deve-

lopments, Profile benefits from its ultimate evolution. Sheets of glass become denser, layers of foam become more variable... we are able to fine-tune the response curve of each drive-unit as we favor mass, rigidity or damping, depending on the frequency range we wish to recreate, while at the same time we maintain a perfect, piston-like action.

All Profile drivers are manufactured by Focal in Saint-Etienne: this is the sole guarantee for us to master all the steps of design, prototype, manufacturing and quality control of this essential component.



> The second generation Sandwich composite "W" cones alternate between glass film and layers of foam of different densities and thicknesses.





The Profile spirit shines in the appearance of the 908: advanced technologies, innovation at all levels, but also beauty in the curves and compact size. Musical and aesthetic, the Profile 908 expresses a great "joie de vivre"



This absolutely elegant two and a half way concentrates all the know-how of Focal. But its refined curves and the strength of its design does not only serve its aesthetic, but the exceptional rigidity of the cabinet and the absence of parallel inner walls are immediately apparent assets.



The CC 908 was made on the Electra CC 1000 Be's model: same woofers and midrange but with the aluminum-magnesium tweeter. It functions in total harmony with the other speakers in the range, in regards to the sonic signature as well as its directivity characteristics.



Very compact, this bipolar loudspeaker was designed with the same obsessive attention to coherence as the other Profile loudspeakers. The dispersion, very wide and homogeneous, gives the speaker the rare capability to fill the listening room. 3D surround effects are ensured.



This active, remotely controlled subwoofer possesses the same motor as the Electra SW 1000 Be: 24 bit DSP processor, 13" (33cm) "W" woofer, and BASH® amplifier. The power of its impact is reference-quality, even at unbelievable sound levels.



Compact version of the SW 908, the Profile SW 904 adopts the same structure and DSP processing, but with an 11" (27cm) woofer. It represents an excellent choice where the positively seismic pressure levels of the SW 908 may not be required.



> Profile 918, Imperial Red.



> Profile 918, Diamond White.

The Imperial Red and Diamond White finishes will be available from the second quarter 2009 according to the countries and to the retailing networks.

Profile 908

Diamond Black finish

Profile 918

Diamond Black finish

Profile CC 908

Diamond Black finish

Profile SR 908

Black satin finish

• Type	2-way bass-reflex bookshelf speaker.	2 1/2-way bass-reflex floor standing speaker.	3-way bass-reflex shielded center speaker.	2-way sealed bipolar effects speaker.
• Drivers	6 1/2" (16.5cm) "W" mid-bass. 1" (25mm) Al/Mg inverted dome tweeter.	6 1/2" (16.5cm) "W" woofer. 6 1/2" (16.5cm) "W" mid-bass. 1" (25mm) Al/Mg inverted dome tweeter.	Two 6 1/2" (16.5cm) "W" woofers. 3" (8cm) "W" midrange. 1" (25mm) Al/Mg inverted dome tweeter.	Two 6 1/2" (16.5cm) "W" mid-bass. Two 1" (25mm) Al/Mg inverted dome tweeter.
• Frequency response (±3dB)	50Hz - 30.5kHz	40Hz - 30.5kHz	65Hz - 30.5kHz	75Hz - 30.5kHz
• Low frequency point (-6dB)	45Hz	36Hz	52Hz	61Hz
• Sensitivity (2.83V/1m)	89dB	90dB	91dB	91dB
• Nominal impedance	8 Ohms	8 Ohms	8 Ohms	8 Ohms
• Minimum impedance	3.7 Ohms	3.2 Ohms	4.2 Ohms	5.2 Ohms
• Crossover frequency	2 600Hz	180Hz / 2 600Hz	500Hz / 2 600Hz	2 600Hz
• Recommended amplifier power	25 - 150W	40 - 200W	40 - 200W	40 - 200W
• Dimensions (HxWxD)	15 3/8x9x10 7/8" (390x230x275mm)	39x9x13 3/4" (990x230x350mm)	8x24 7/8x12 3/4" (205x632x324mm)	11 5/8x15 7/8x7 5/8" (295x403x194mm)
• Net weight	18.7lbs (8.5kg)	43lbs (19.5kg)	31.9lbs (14.5kg)	19.4lbs (8.8kg)

Profile SW 908

Diamond Black finish

Profile SW 904

Black satin finish

• Type	Active bass-reflex subwoofer.	Active bass-reflex subwoofer.
• Drivers	13" (33cm) "W" woofer.	11" (27cm) "W" woofer.
• Frequency response (±3dB)	27Hz - 150Hz	32Hz - 150Hz
• Low frequency point (-6dB)	23Hz	27Hz
• Sensitivity (2.83V/1m)	Subwoofer features	Subwoofer features
• Nominal impedance	Adjustable LPF: 50Hz to 150Hz (24dB/oct.), 24dB/oct. adjustable subsonic filter, adjustable phase, Boost mode, Night mode, 3 user memories, LFe/Stereo/Digital input.	Adjustable LPF: 50Hz to 150Hz (24dB/oct.), 24dB/oct. adjustable subsonic filter, adjustable phase, Boost mode, Night mode, 3 user memories, LFe/Stereo.
• Minimum impedance		
• Crossover frequency		
• Recommended amplifier power	500W (700W max.) BASH® amplifier	350W (450W max.) BASH® amplifier
• Dimensions (HxWxD)	20x19 1/4x15" (510x488x380mm)	19 13/16x16 15/16x12 3/8" (504x430x315mm)
• Net weight	59.4lbs (27kg)	50.6 lbs (23kg)



> 24" (60cm) optional Profile S 908 stand.



> 16" (40cm) optional Profile SCC 908 stand.