

HECO®

pure sound

THE STATEMENT

The best of over 50 years experience in loudspeaker design



Heco – tradition in loudspeakers since 1949

Heco has been committed to the philosophy of high quality music reproduction in the home since the day the company was founded. In addition to the constantly evolving the tried and tested technologies, Heco has always seen itself as an innovative leader helping new technologies to break through. As a pioneer of many technologies now taken for granted, such as dome tweeters and long throw suspensions made of rubber, the Heco image is today characterised by legendary loudspeakers.

Representatives of this long history are the Activ 2000K studio monitor, the first B 130 compact speaker and the physically commanding high end speaker Concerto Grosso.

All Heco loudspeakers are developed at the company's laboratory in Pulheim near Cologne. Equipped with the most modern measuring and accurate simulation systems, such as the laser supported Klippel® system, experienced engineers work on constantly improving loudspeaker technology.

Headquarter in Pulheim/Cologne
Klippel Laser-supported system





Heco The Statement – the best of over 50 years experience in loudspeaker design.

The new top Heco model, “The Statement” combines the most modern measuring and test methods with the best materials and our decades of experience in loudspeaker design. Modern nanotechnology, the legendary magnetic material Alnico and the laser assisted measurements bring together tried and tested, new and virtually forgotten elements to produce a harmonious unit. Imposing size, exquisite finish and a unique sound are just some of the outstanding features of the Heco Statement.



**Heco The Statement –
Legendary sound with
Alnico midrange driver.**

Alnico midrange

Legendary sound – the Alnico drive of "The Statement" midrange unit ensures the lowest possible distortions and amazingly natural reproduction of midrange tones. All components of the Heco Statement have been developed at the Heco laboratories in Germany, with special attention paid to redevelopment of the loudspeaker chassis, which is so crucial for the sound.

The midrange is the most important frequency range for evaluating the naturalness of a loudspeaker. The reason for this is the high sensitivity of human hearing in the vocal range, in particular. The regal solution here is the combination of a high quality paper cone and Alnico magnets. Alnico (Aluminium – Nickel – Cobalt) is a material that can absorb extremely high magnetic field strengths and has high temperature stability. Music lovers especially appreciate the repeatedly referred to acoustic advantages in terms of dynamics and resolution. However, the extremely high price and in particular, the difficult controllability of Alnico have been responsible for it not being used on a widespread scale these days.

After very considerable research over a long period of time, Heco engineers have now managed to develop an Alnico drive with the help of modern laser technology (Klippel System™) and the "Finite Element Method". For the first time, a loudspeaker with Alnico now works symmetrically with regard to magnetic field, suspension and inductivity. This results in lowest possible distortions and amazingly natural reproduction of the midrange tones. The acoustic conversion takes place via a lightweight Kraft paper cone and relatively hard and rapid suspension. "Kraft paper" consists of long fibres from Nordic conifers, which are blended with woollen threads and then compressed and dried in a complex process. After further processing stages, an extremely lightweight, rigid and easily controllable cone is obtained. In addition, the midrange drive unit is located in an open, non-resonant midrange unit enclosure, enabling it to function on free of compression and ensuring that the sound benefits considerably in terms of surround sound effect.

Alnico midrange

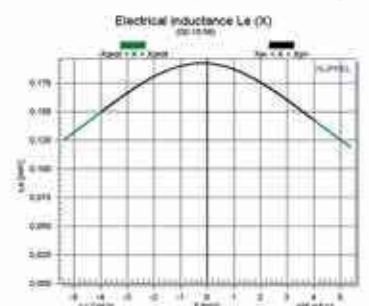
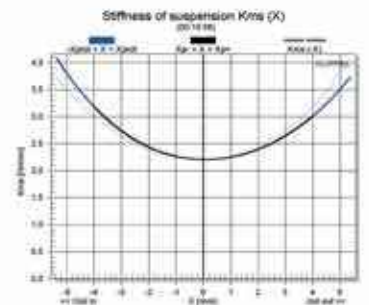
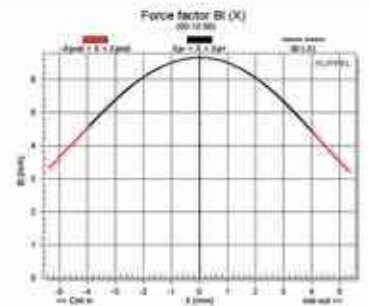
Legendary sound – the Alnico drive of "The Statement" midrange unit ensures the lowest possible distortions and amazingly natural reproduction of mid range tones.

Open enclosure

The Alnico mid range drive unit is located in an open, non resonant enclosure, enabling it to function entirely free of compression.

Alnico midrange - Symmetry

- 1.Measurement of the stiffness
- 2.Measurement of the magnetic field
- 3.Measurement of voice coil inductance







Tweeter

The 25 mm nanoparticle coated woven fabric calotte is hand selected.

Woofer

The symmetrical double ferrite magnetic drive Ensures high dynamism.

Nano

The elaborate coating with nanoparticles dampens cone resonances and enables precise reproduction beyond the auditory threshold.

Statement woofer

Optimised to give a long stroke – hardened paper cone; huge carbon dust cap; 32mm voice coil; long throw surround.

Statement nanotweeter

Selected tweeter with nano particle coated 1" dome tweeter, aluminium front plate with short horn, double magnet system and damped resonance chamber

Selection

The midrange chassis are Accurately selected and Laser engraved.

Heco The Statement – 60 years' of research and development

Two 200 mm long-stroke subwoofers take care of the bass range below 200 Hertz. The material used for the cones is also Kraft paper, as for the midrange drive unit. A large carbon-fibre dust cap gives the subwoofer chassis additional rigidity. Combined with a long-stroke rubber bead and the symmetrical double-ferrite drive, a chassis is produced which can also reproduce extremely low frequencies with high dynamics and precision.

The treble range is taken care of by a hand-selected nano-tweeter with a dampened resonance chamber. The 25 mm woven fabric calotte is coated with carbon-based nanoparticles, guaranteeing an extremely clear frequency response curve up to 50 kHz. The calotte, driven by a double magnet system, is located in an aluminium flange with a short horn projection of better acoustic coupling. The connecting strip with the large gold-plated terminals is also new. In addition to being compatible with triwiring and tri-amping, it also has other individualisation options. The treble and midrange levels can be adapted to the respective room conditions, for example, and be increased or lowered by +2 or -2 dB respectively.

Another important part is the crossover with impedance linearization - elaborately designed for Heco's "The Statement" model and equipped with exacting tolerance components, such as MKP condensers and MOX resistors.

For optimum vibration isolation, the Heco Statement stands on heavy full-metal spikes and matching floor plates with an absorbent damping element. The enclosure of Heco's "The Statement" is made of MDF with elaborate bracing inside. The lacquer finish in silver or black is of the same high quality as the care given to the development and design of the individual components.

Almost 60 years' of proficiency in the design of loudspeakers speaks for itself – 60 years of research and development, with the aim of making music reproduction an unforgettable experience. "The Statement" from HECO is reminiscent of this long period of involvement in the design of loudspeakers.

A clear "Statement" for good sound, for music and more a fantastic experience.





Spikes

Heavy full-metal spikes and matching floor plates with an absorbent damping element.

Tri-wiring

Also new is the tri-wiring terminal with large gold-plated and insulated terminals as well as level adjustment for high and midrange tones.



The Statement

Principle:	3 way bass reflex floorstanding-speaker
Equipment:	Woofer: 2 x 200mm Midrange: 1 x 170mm, Tweeter: 1 x 25mm
Power Handling (RMS/max):	300/500 Watts
Impedance:	4 – 8 ohms
Frequency response:	18 – 50,000 Hz
Crossover frequencies:	220 / 3,500Hz
Sensitivity:	93 dB
Cabinet surface:	High gloss painted black or silver
Dimensions (W x H x D):	298 x 1230 x 435 mm
Weight:	43 Kg

stereoplay
Highlight

Ausgabe 01/08

stereoplay january 2008

Sound: Absolute Top Class

Price/Performance: Outstanding

"The sound of this loudspeaker is a sensation."

"The Statement sets standards with its reproduction of the midrange."



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