

HEGO HIFI

The Programme



ART IN  
PERFORMANCE

MADE IN GERMANY

# About The Aesthetics Of Sound

Just as serious listeners will strive for aural perfection, so HECO have added the dimension of visual perfection. This creates a harmonious product.

HECO is standing at the crossroads of science, technology and art. The aim is demanding – to achieve the perfect, neutral reproduction of sound and to present it in a high-class design.

This has been a constant challenge; requiring knowledge, experience and creativity.

*Superior*

## Congeniality:

“Superior” by HECO is the loudspeaker range for audiophiles who cherish excellent sound and intelligent design for small as well as for larger rooms. “Superior” stands for the highest level in neutrality of Sound. “Superior” means sophisticated technology down to the smallest detail. And the bigger the speaker, the more power handling and growing deep bass reproduction. Dynamics and sound intensity increase. Allow your amplifier to shine: with a punchy bass, tight midrange and brilliant highs. HECO “Superior”: that stands for undistorted reproduction of sound, perfectly musical – for all those who love the extraordinary.

HECO has been building loudspeakers for 40 years and we have now come near to the ideal, both in aesthetics and in sound. A highly qualified staff along with advanced manufacturing procedures and innovative technology has been needed to achieve this. The result – a sound performance which equals the joy of art – today and tomorrow.

HECO Hifi. Art in performance.

MADE IN GERMANY

## Interior

When your amplifier needs reinforcement, HECO's “Interior Line” is the choice. Even the smallest bookshelf speakers give a big sound, upgrading any Hifi-set. Those who have more space around them can go for the “Interior” stars. The reason: The floor standing speakers don't cost the world. A big sound for a small budget. HECO “Interior” is finest technology down to the smallest detail. Even with the smallest bookshelf speakers as well as with the floor standing ones. Allow your amplifier to shine; with a punchy bass, light midrange and brilliant highs. HECO “Interior” stands for undistorted music reproduction along with modern design – the ideal for those who want to have big fun a little money.

# Acrabic Love for Precision



## WOOFER CHASSIS

The woofer is constructed on an extremely stiff chassis made of pressure-cast light metals. The cone diaphragm is made of a quality multi-layer cellulose material, coated with a special synthetic layer for damping. The small, lightweight coils, made of best copper wire and which are therefore extremely low in resonance, feature a high constant power handling. In the case of floor standing speakers, the double woofers are

pneumatically isolated from one another by means of separate chambers.



## CONE MID-RANGE SPEAKER

The range of fundamental tones between 300 and 3000 Hz, to which the human ear is particularly susceptible, have to be transmitted with the utmost phase linearity. That is why this range is being reproduced by a sole driver: a newly developed phaseliner basic speaker with an absolutely neutral-sound Polypropylene diaphragm. With the Interior 230 S the supronyl-dome-diaphragm has proved successful.

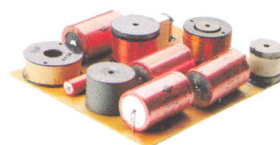


## 19 mm TWEETER DOME

For the high-ranges a special metal dome made of aluminium-manganese is being used. The light, single-layer voice coils, the highly flexible supronyl suspension and its difusor with pressure chamber-effect allow the enormous range of 2 to 20 KHz. From the musical point of view this means high brilliance, impulse fidelity and great resistance without any sharpness in the reproduction of high frequencies.

**CONNECTING TERMINALS RECESS**  
All speakers are equipped with recessed connecting terminal screws designed to accommodate speaker cables up to 10 mm<sup>2</sup>. In addition, conventional banana plugs can also be used. The terminals feature goldplated sock-

ets to achieve connection of the speaker cables without quality loss.



## FREQUENCY CROSS-OVER

The frequency crossover design shows an intelligent and ingenious construction in order to achieve minimum loss without any additional distortion during signal transmission. In practice this means:

An ingenious combination of air-core and ferrite-core coils, polyester capacitors and high-quality electrolytic capacitors with tight

tolerances. The precision mounting of the components onto the circuit board with its engraved conductors ensure optimum decoupling of the components from each other.

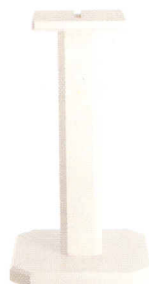
# Equipment That Makes Sense

To enhance the performance of your HECO speakers, we offer useful accessories which can be found at your local HECO dealer.



## PERFECT POSITIONING

Good speakers deserve good support. Not only will they fit better in your home, they will also sound better. Good stands and spikes serve to couple the



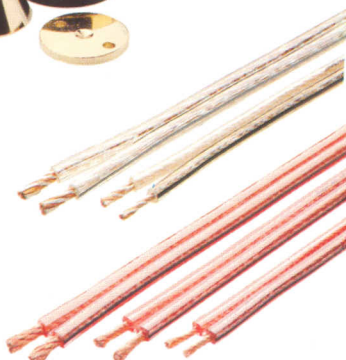
cabinets to firm ground, reducing vibration of the speaker cabinet and thus improving bass and transient response.



## GOLDEN CONNECTIONS

The strongest impulses get lost, if the connections are deficient. HECO offers special speaker cables, clips and plugs to strengthen this link in the chain. Wire is

heavy gauge, high-purity copper, comprised of many fine individual strands, each electrically isolated from one another. Connectors feature massive brass bodies and thick gold plating. Of course, each connector is specifically designed to accept such thick wire without any adaption.



## INTEGRATED ISS SUBWOOFER SYSTEM

For years audiophiles have added separate subwoofers to their music systems to achieve fast, deep, accurate bass. These separate subwoofers, though, are large, expensive and difficult to match to most loudspeaker systems.

HECO's new ISS technology skillfully blends and integrates an entire subwoofer system into each loudspeaker. It incorporates a totally separate acoustic volume chamber within the cabinet and steep low-pass filtering for the subwoofer signal (18 dB/octave slope to 24 dB/octave slope according to model) with decoupling between 150 Hz and 250 Hz. All Superior models (excepting the Superior 620) and the Interior models 330 S, 430 S and 535 S can therefore be considered as "cum basso continuo system". The driver itself is suspended in a rigid casting of solid aluminium with a polypropylene cone. **Wide Bandwidth Midrange** When you listen to music,

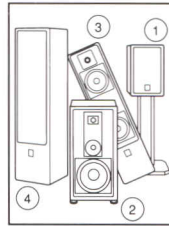
the most critical area is the midrange, the frequencies between 300 and 3000 Hertz. If this area is not correct, even the best woofers and tweeters can not save the sound.

HECO research has developed a new technology to reproduce this crucial region of music: a new mid-range driver which covers this entire range alone - without having to cross over to the woofer or tweeter. This design produces absolutely perfect phase coherency throughout the region. You can hear the result: smooth, clear natural voices and instruments. **Aluminium-Manganese Dome Tweeter**

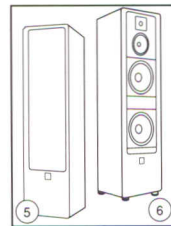
HECO use their finest metal dome tweeters in the Superior and Interior models. Developed and manufactured by HECO, these drivers have exceptional frequency response and power handling as well as a wide dispersion. They ensure smooth, natural and detailed upper frequencies.

# Gala Performance A

Superior



1. Superior 620
2. Superior 640
3. Superior 740
4. Superior 840



5. Superior 940
6. Superior 1040



Superior 620	Superior 640	Superior 740	Superior 840	Superior 940	Superior 1040
2-way shelf speaker	3-way shelf speaker	3-way floor standing	3-way floor standing	3-way floor standing	3-way floor standing
320 x 230 x 230 mm	490 x 260 x 315 mm	850 x 220 x 255 mm	950 x 240 x 275 mm	1100 x 260 x 315 mm	1250 x 290 x 345 mm
1 x KHC 19 M 1 x TC 170	1 x KHC 19 M 1 x TMC 120 1 x TC 220	1 x KHC 19 M 1 x TMC 170 1 x TC 170	1 x KHC 19 M 1 x TMC 120 2 x TC 190	1 x KHC 19 M 1 x TMC 120 2 x TC 220	1 x KHC 19 M 1 x TMC 170 2 x TC 260
120 Watt	140 Watt	160 Watt	200 Watt	220 Watt	250 Watt
80 Watt	110 Watt	120 Watt	140 Watt	160 Watt	180 Watt
4 Ohm	4 Ohm	4 Ohm	4 Ohm	4 Ohm	4 Ohm
35-35 000 Hz	30-35 000 Hz	28-35 000 Hz	24-35 000 Hz	20-35 000 Hz	18-35 000 Hz
87 dB	88 dB	88 dB	88 dB	88 dB	88 dB
3000 Hz	250/2500 Hz	150/3000 Hz	250/2500 Hz	250/2500 Hz	150/3000 Hz
2-8 Ohm (30-80 Watt sinus/channel)	2-8 Ohm (40-120 Watt sinus/channel)	2-8 Ohm (50-130 Watt sinus/channel)	2-8 Ohm (60-150 Watt sinus/channel)	2-8 Ohm (70-170 Watt sinus/channel)	2-8 Ohm (80-200 Watt sinus/channel)
35 m <sup>2</sup>	50 m <sup>2</sup>	60 m <sup>2</sup>	70 m <sup>2</sup>	80 m <sup>2</sup>	100 m <sup>2</sup>
walnut veneer oak veneer P 43 mahogany veneer P 36 ash-free black ash-free white varnish black varnish white	walnut veneer oak veneer P 43 mahogany veneer P 36 ash-free black ash-free white varnish black varnish white	walnut veneer oak veneer P 43 mahogany veneer P 36 ash-free black ash-free white varnish black varnish white	walnut veneer oak veneer P 43 mahogany veneer P 36 ash-free black ash-free white varnish black varnish white	walnut veneer oak veneer P 43 mahogany veneer P 36 ash-free black ash-free white varnish black varnish white	walnut veneer oak veneer P 43 mahogany veneer P 36 ash-free black ash-free white varnish black varnish white
On request.	On request.	On request.	piano black mahogany high	piano black mahogany high	piano black mahogany high

<b>Type:</b>
<b>External dimensions: (H x W x D)</b>
<b>Drivers:</b>
<b>Music power handling:</b>
<b>Nominal power handling:</b>
<b>Nominal impedance:</b>
<b>Frequency response:</b>
<b>Efficiency (1 W/1 m):</b>
<b>Cross-over frequency:</b>
<b>Suitable for amplifier: terminal resistance:</b>
<b>Suitable for rooms up to:</b>
<b>Cabinet finish:</b>
<b>Special finish:</b>

## A Performance Of Colour And Design

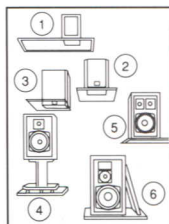
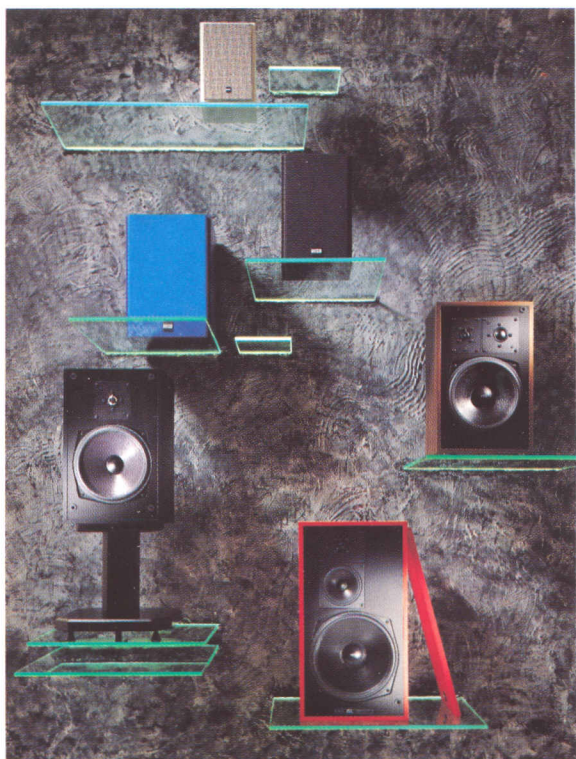


	brown	ocean-blue	grey	white	Ferrari-red	black
Superior	●		●	●		●
Interior	●	●	●	●	●	●

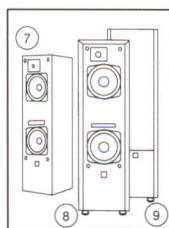
When purchased the inter- changeable grills of your HECO loudspeakers match the colour of their cabinets. If desired, you may get grey front grills at any time. This ensures that HECO speakers can easily be adapted to any changes in your living space.

# and Top Technology

Interior



1. Interior 80 S
2. Interior 90 S
3. Interior 120 S
4. Interior 220 S
5. Interior 230 S
6. Interior 330 S



7. Interior 430 S
8. Interior 430 S
9. Interior 535 S



Interior 80 S	Interior 90 S	Interior 120 S	Interior 220 S	Interior 230 S	Interior 330 S	Interior 430 S	Interior 535 S
2-way shelf speaker	2-way shelf speaker	2-way shelf speaker	2-way shelf speaker	3-way shelf speaker	3-way shelf speaker	3-way floor standing	3-way floor standing
210 x 145 x 126 mm	270 x 180 x 170 mm	320 x 230 x 230 mm	390 x 250 x 250 mm	390 x 250 x 250 mm	510 x 280 x 280 mm	850 x 240 x 275 mm	950 x 260 x 315 mm
1 x KHC 19 M 1 x TC 105	1 x KHC 19 M 1 x TC 130	1 x KHC 19 M 1 x TC 175	1 x KHC 25 M 1 x TC 205	1 x KHC 19 M 1 x KMC 25 1 x TC 205	1 x KHC 19 M 1 x TMC 105 1 x TC 235	1 x KHC 19 M 1 x TMC 175 1 x TC 175	1 x KHC 25 M 1 x TMC 205 1 x TC 205
80 Watt	90 Watt	100 Watt	120 Watt	130 Watt	150 Watt	140 Watt	180 Watt
50 Watt	60 Watt	70 Watt	80 Watt	100 Watt	120 Watt	110 Watt	130 Watt
4 Ohm	4 Ohm	4 Ohm	4 Ohm	4 Ohm	4 Ohm	4 Ohm	4 Ohm
80-30 000 Hz	60-30 000 Hz	42-30 000 Hz	40-30 000 Hz	40-30 000 Hz	30-30 000 Hz	30-30 000 Hz	25-30 000 Hz
87 dB	87 dB	87 dB	88 dB	88 dB	88 dB	88 dB	88 dB
2200 Hz	2000 Hz	1800 Hz	2000 Hz	800/5500 Hz	300/2500 Hz	150/1800 Hz	150/2000 Hz
2-8 Ohm (50-140 Watt sinus/channel)	2-8 Ohm (20-60 Watt sinus/channel)	2-8 Ohm (30-80 Watt sinus/channel)	2-8 Ohm (30-80 Watt sinus/channel)	2-8 Ohm (30-100 Watt sinus/channel)	2-8 Ohm (50-130 Watt sinus/channel)	2-8 Ohm (50-130 Watt sinus/channel)	2-8 Ohm (50-140 Watt sinus/channel)
20 m <sup>2</sup>	25 m <sup>2</sup>	30 m <sup>2</sup>	40 m <sup>2</sup>	40 m <sup>2</sup>	50 m <sup>2</sup>	60 m <sup>2</sup>	60 m <sup>2</sup>
ash-free decor black white, black walnut decor Ferrari-red ocean-blue	ash-free decor black white, black walnut decor Ferrari-red ocean-blue	ash-free decor black white, black walnut decor Ferrari-red ocean-blue	ash-free decor black white, black walnut decor Ferrari-red ocean-blue	ash-free decor black white, black walnut decor Ferrari-red ocean-blue	ash-free decor black white, black walnut decor Ferrari-red ocean-blue mahogany decor oak decor (light)	ash-free decor black white, black walnut decor Ferrari-red ocean-blue mahogany decor oak decor (light)	ash-free decor black white, black walnut decor Ferrari-red ocean-blue mahogany decor oak decor (light)
—	—	—	—	—	—	—	—



The SUPERIOR extra black piano lacquer or high-polished mahogany. Further special cabinet editions in wood or lacquer surfaces can be made individually to match your furniture or to satisfy your wishes.

# HECO AUTO HIFI

Perfect sound on the road:

Audiophiles have great expectations regarding their hifi-set at home. Of course they expect something similar in their cars.

## The Component Systems

CAC 130  
+ CAF



**CAC 130 and CAF**

The combined 2 - way loudspeaker system with 70 Watt. With only 46 mm of installation depth perfect for the front door or the rear shelf. For protection against corrosion the compact frequency cross - over CAF has been cast into an eloxed aluminium chassis.



CAC 160  
+ CAF



**CAC 160 and CAF**

The 80 Watt combined 2 - way loudspeaker system for installation in the front door or rear shelf. Only 54 mm of installation depth for the woofers. For protection against corrosion the compact frequency cross-over CAF has been cast into an eloxed aluminium chassis.

Just like all other HECO Auto-Hifi-Systems the Combination Systems are easy to install as well. The annexed manual enables even the technically less experienced customers to achieve the correct electric installation. richtigen Einbau.

Included: CAC 130 2 woofers CAW 130 + 2 metal tweeters CAT 19 + 2 x 2 way cross-over CAF  
CAC 160 2 woofers CAW 160 + 2 metal tweeters CAT 19 + 2 x 2 way cross-over CAF

Type	nominal power handling	music power handling	impedance	frequency response	efficiency (1 W/1 m)	transfer frequency	edge steepness	installation depth	external dimensions	cut	recommended amplifier power
CAC 130	50 Watt	70 Watt	4 Ohm	50-32.000 Hz	89 dB	2.800 Hz	12/12 dB/Okt.	46 mm 20 mm	l x w 140 x 140 mm 85 x 85 mm	tw 65 mm wo 110 mm	5-50 Watt
CAC 160	60 Watt	80 Watt	4 Ohm	45-32.000 Hz	89 dB	2.800 Hz	12/12 dB/Okt.	54 mm 20 mm	l x w 166 x 166 mm 85 x 85 mm	wo 136 mm tw 65 mm	5-60 Watt



CAC 200  
+ CAF

**CAC 200 and CAF**

The 100 Watt combined 2-way loudspeaker system with 2 bass drivers for installation in the front door or rear shelf. Only 43 mm of installation depth for the woofers. The tweeter can also be mounted with the adjoined distance frame - no cutting - as surface speaker.



CAC 220  
CAF 220

**CAC 220 and CAF**

The HECO Super Sound: The 140 Watt woofer system for installation in the rear shelf. By means of its adapted cross-over it can also serve as additional equipment for all HECO 2 - way systems. Enjoy the fascinating sound experience from a 140 Watt woofer system on top, made of water resistant multi layered cellulose material.



Included: CAC 200 4 woofers CAW 105 + 2 metal tweeters CAT 19 + 2 x 2 way cross-over CAF  
CAC 220 2 woofers CAW 220 + 2 adapted cross-over CAF 220

Type	nominal power handling	music power handling	impedance	frequency response	efficiency (1 W/1 m)	transfer frequency	edge steepness	installation depth	external dimensions	cut	recommended amplifier power
CAC 200	60 Watt	100 Watt	4 Ohm	40-32.000 Hz	89 dB	2.800 Hz	12/12 dB/Okt.	43 mm 20 mm	l x w 140 x 140 mm 85 x 85 mm	tw 65 mm wo 102 mm	5-60 Watt
CAC 220	100 Watt	140 Watt	4 Ohm	30-2.000 Hz	92 dB	270 Hz	12/12 dB/Okt.	79 mm	l x w	wo 184 mm	5-100 Watt

# The COAX Component Systems

CAX 130 (for building in), CAX 130 G and CAX 160 G (for surface mounting): Coaxial speaker systems for dashboard installation or in doors. High music power handling (80 Watt CAX 160 G, 70 Watt CAX 130 and CAX 130 G). The exiting sound: no distortion in midrange and highs.



CAX 130 G

CAX 130



CAX 160 G

Included: CAX 130 2 compact coaxial speakers for building in with integrate cross-over  
 CAX 130 G 2 compact coaxial speakers for building in with integrate cross-over  
 CAX 160 G 2 compact coaxial speakers for building in with integrate cross-over

Type	nominal power handling	music power handling	impedance	frequency response	efficiency (1 W/1 m)	transfer frequency	edge steepness	installation depth	external dimensions	cut	recommended amplifier power
CAX 130 CAX 130 G	50 Watt	70 Watt	4 Ohm	50-25.000 Hz	89 dB	4.500 Hz	6 dB	69 mm 66 mm	l x w CAX 130 130 x 130 mm CAX 130 G Ø 155 mm	Ø 131 mm Ø 129 mm	5-50 Watt
CAX 160 G	60 Watt	80 Watt	4 Ohm	45-25.000 Hz	89 dB	4.500 Hz	12 dB	66 mm	Ø 186 mm	Ø 144 mm	5-50 Watt

## The Dual Compact Systems



CAD 100

CAD 100 (for building in) and CAD 100 G (for surface mounting): 2-way compact system for installation in dashboard or doors. With only 47 mm depth of installation (CAD 100 G) or 50 mm (CAD 100) you will get a lot of sound on small room.



CAD 100 G

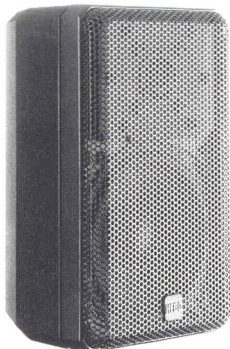
Included: CAD 100 G 2 compact dual speakers for mounting  
 CAD 100 2 compact dual speakers for mounting

Type	nominal power handling	music power handling	impedance	frequency response	efficiency (1 W/1 m)	transfer frequency	edge steepness	installation depth	external dimensions	cut	recommended amplifier power
CAD 100 G CAD 100	40 Watt	60 Watt	4 Ohm	70-25.000 Hz	89 dB	—	—	CAD 100 G 47 mm CAD 100 50 mm	CAD 100 G Ø 124 mm l x w 100 x 100 mm	Ø 100 mm Ø 101 mm	5-40 Watt

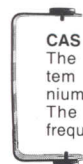
## Surface Mounted And Compact Systems

With the HECO Auto Systems CAS 100 and CAB 100 finest materials are used as well:

- Mounting frame of quality plastic polycarbonat with a constant heat resistance above 120° C
- Front grill of specially treated stainless steel
- Polypropylene-woofer-diaphragm (absolutely waterproof)
- Metal basket of woofer electrophoretically lacquered for utmost protection against humidity.



CAS 100



**CAS 100**  
 The 80 Watt 2-way loudspeaker system for surface mounting with aluminium cast chassis and installation bow. The system incorporates a quality frequency cross-over with 12/12 dB/Oct.



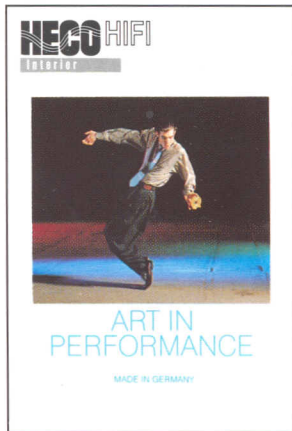
CAB 100

**CAB 100**  
 The 60 Watt 2-way compact system for installation in front door or rear shelf. Only 37 mm of installation depth. An adapted 2-way cross-over (6/12 dB/Oct.), already wired for easy connection is integrated.

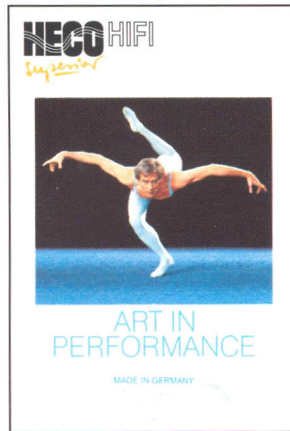
Included: CAS 100 2 speakers and installation bow  
 CAB 100 2 compact speaker systems for installation with adapted cross-over

Type	nominal power handling	music power handling	impedance	frequency response	efficiency (1 W/1 m)	transfer frequency	edge steepness	installation depth	external dimensions	cut	recommended amplifier power
CAS 100	50 Watt	80 Watt	4 Ohm	80-32.000 Hz	87 dB	2.200 Hz	12/12 dB/Okt.	—	l x w x h 181 x 111 x 116 mm	—	5-50 Watt
CAB 100	40 Watt	60 Watt	4 Ohm	70-32.000 Hz	89 dB	2.000	6/12 dB/Okt.	37 mm	l x w 181 x 111 mm	90 mm	5-40 Watt

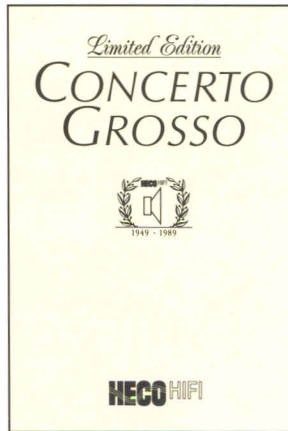
# The Absolute Pleasure For Your Senses



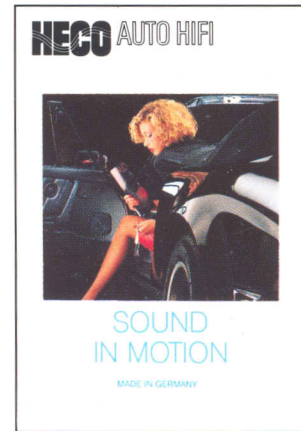
HECO Interior



HECO Superior



HECO Concerto Grosso



HECO Auto-Hifi

Quality Requires Its Price.

"It's unwise to pay too much, but it's unwise to pay too little. When you pay too much you lose a little money, that is all. When you pay too little, you sometimes lose everything, because the thing you bought was incapable of doing the thing you bought it to do.

The common law of business balance prohibits paying a little and getting a lot. It can't be done. If you deal with the lowest bidder, it's well to add something for the risk you run.

And if you do that, you will have enough to pay for something better."

John Ruskin (1819-1900, English writer and social critic)

Dealer's name and address

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Fax 4-3306972

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