

Technical data:

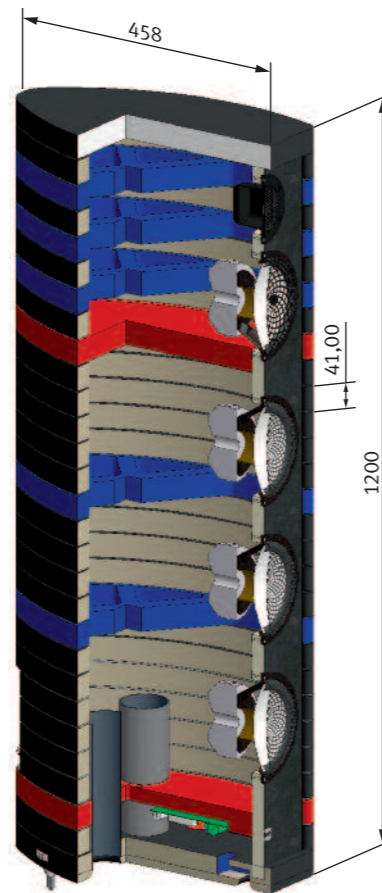
Woofers:	3 x 173 mm
Midrange:	1 x 173 mm
Tweeters:	1 x 25 mm Ceramics or 1 x 20 mm Diamond
Bass principle:	Symmetrical triple-bass- reflex system of 12th
Ways:	3
Crossover frequencies:	170/3400 Hz
Slope:	> 50 dB/octave
Impedance:	4 Ohm
Sine power handling:	290 Watt
Impulse power handling:	510 Watt

Height:	122 cm (48.2")
Width:	23 cm (9.1")
Depth:	46 cm (18.2")
Weight:	52 kg (115 lbs.)
Warranty:	10 Years

Finishes:	Broad rib in piano high-gloss black or white; small rib in any RAL-color; front in stone black
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The schematic structure of the BERLINA RC 7

The drawing aside shows the inner structure in detail and the dimensions of the RC 7. The blue ribs are additionally stiffened to extend the overall cabinet stiffness, the full material ribs (red) separate the woofer chamber (middle) from the midrange cabinet (up) and from the frequency crossover chamber (below).

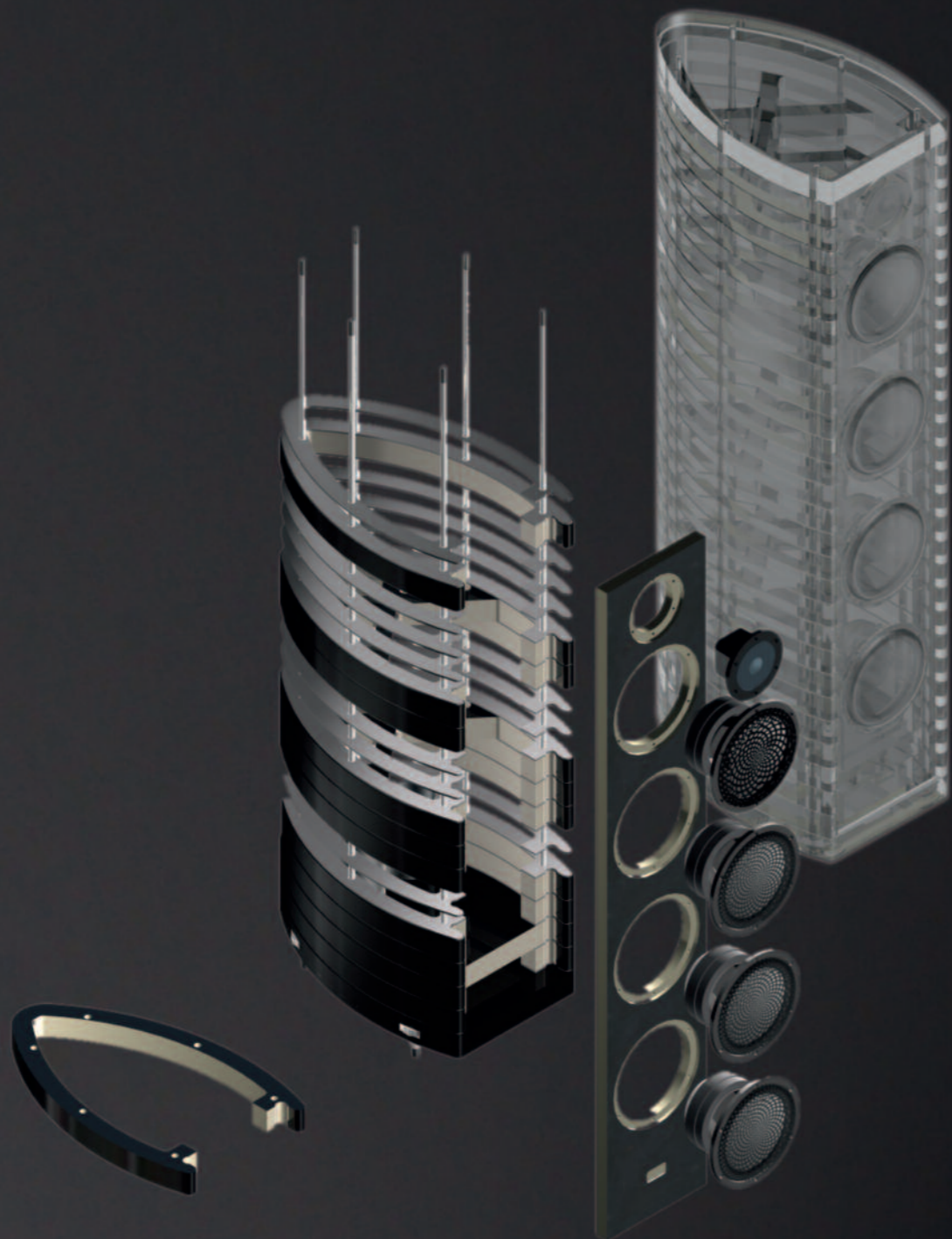


If there are any additional questions we could not answer with this brochure or if you want to be informed in more detail please mail to info@isophon.de or take a look at our website www.isophon.com

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JOY OF LISTENING

BERLINA | RC7

BERLINA RC 7 – from Idea to Product



Dr. Roland Gauder
Chief Designer
ISOPHON



Music is part of our culture, part of our lives. Everyone who loves music knows about the wide range of feelings and emotions which are produced by music. Music keeps memories alive and gives us those precious moments of luck and satisfaction.

It is this love to music which links all the workers in our loudspeaker company in Renningen/Germany together. This common love is always the impetus for all of us to strive for more perfection in HiFi-components, to overcome all technological limits to get closer and closer to an authentic reproduction of music.

THE BERLINA-SERIES – Hear to tempt you.

So I would like to invite you to discover now our new loudspeaker series “BERLINA”. This series incorporates our new unique “Rib Construction” – concept for the cabinet design in combination with fantastic drivers and an innovative crossover technology. We have tried to illustrate in short words and detailed pictures what is behind the new BERLINA design but still you should bear in mind that only a listening test is really important.

I can promise you a fabulous listening experience. You also will be impressed by our timeless, dynamical design, our sophisticated cabinet finish and the German workmanship. Please take your favorite records to your Isophon-partner and listen to the BERLINA RC 7. You will not regret it!

Dr. Roland Gauder

The Innovative Cabinet Structure

Responsible for the natural, transparent sound of the BERLINA RC 7 is the new horizontal rib construction of the cabinet. It eliminates sound coloration and cabinet vibrations.

In contradiction to the classical construction method no boards are glued together but 38 mm thick moulded pieces of wood which show the shape of a rib are aligned one over the other and then screwed together. To eliminate vibration spreading there are 3 mm thick soft-fibre ribs coated with silicone between each two ribs which dampen sound spreading. All the ribs have a special shape and varying thickness to cut off resonances in them. There are also some ribs which are additionally stiffened by a cross between them.

All in all there are eight different ribs all of them having a special task to fulfill. The bottom rib carries integrated spikes for leveling and height adjusting.

In extensive tests and measurements we have had many single parameters in focus which are responsible for sound coloration, like e.g. cabinet material, wall thickness, geometry, internal dampening, stiffening, wall dampening, damping material etc. The RC 7 now is the essence of all these research efforts. All the mentioned parameters are in perfect balance – a cabinet so ingenious like never before in HiFi.



Your Favorite Music
in Live Quality

PURE JOY OF LISTENING – The Fascination of Authentic Music Reproduction.

You do not need to have a perfectly equipped studio for the BERLINA RC 7. It was developed under listening conditions like in typical living-rooms.

Especially the bass response is strongly influenced by the room acoustics. Therefore the RC 7 owns our unique triple room-equalization system. By plugging in or out a gold-plated bridge in one of the three positions the bass response can be adjusted to adapt the RC 7 to your room or your taste of reproduction (-1.5 dB, linear response, + 1.5 dB). So the room influences are reduced and you can concentrate on music and get caught by its fascination.

The BERLINA RC 7 uses high-quality WBT-single-wiring connectors. On request it is also available in bi-wiring-technique.



BERLINA | RC7

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JOY OF LISTENING



Dynamical Design
Meets Musicality



TIMELESS ESTHETICS – An Experience For All Senses.

Loudspeakers have become part of our furnishing, part of the interior environment. The BERLINA RC 7 can be integrated into any living-room furnishing due to its dynamical design, the well-balanced proportions and the beautiful outlook and finish in genuine high-gloss piano finish. black or white.

Technical solutions for important details, e.g. the adjustable spikes, are harmonically integrated into the bottom rib.

A BERLINA is more than just a loudspeaker, a BERLINA is the dream of esthetics, class and musical definition.



BERLINA | RC7



Hidden Values
For Great Sound



Ceramics And Diamond – Materials of The 21st Century

Ceramics is the material for the new upcoming century. It has some unique acoustical and dynamical properties (e.g. weight, stiffness, speed of sound, etc.) which make it perfect for loudspeaker diaphragm use. Once you have heard it you will never forget its transparency and impulse response.



You will feel the very low bass of the BERLINA RC 7 together with this unbelievable bass control and detail fidelity. The Berlina bass really gives you the kick!

Fine details, power, transparency and clarity are strong attributes for the midrange driver. With its light diaphragm and its ultra-strong Nd-Fe-Br magnet it shows a resolution which is far beyond everything known.

It is well-known that the Accuton tweeters belong to the best in the world. So we are proud to introduce our newly-designed tweeters to the BERLINA RC 7. They sound even more detailed than before but most important they do not sound sharp or aggressive but smooth and fine. For long listening sessions and stressless hearing!



Technical Innovations –
immediately audible.



The two acoustic dampers inside the ceramic diaphragm prevent it from breaking up and distorting high midrange frequencies.

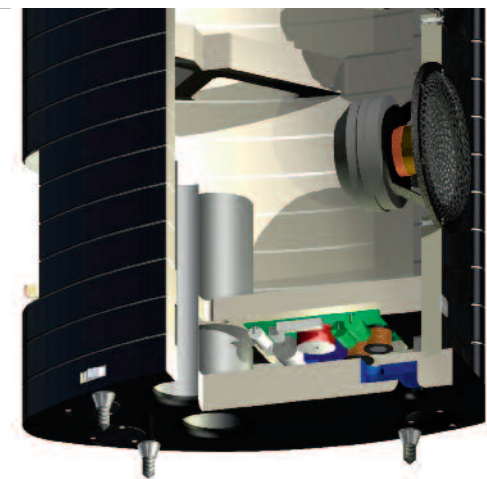


Behind bars – as the wafer-thin diaphragm is destroyed immediately by touching it a well-designed protective guard grid covers all ceramic diaphragms.

The Crossovers of the BERLINA RC7

With separate crossovers for bass and the mid-high-frequency range and a totally isolated chamber inside the cabinet for it the BERLINA RC 7 additionally sets new standards in loudspeaker design. Moreover, this chamber is vented by a slit at the bottom and one at the back just beneath the terminal to keep the crossover working thermally stable.

As the first speaker in the world the BERLINA RC 7 uses a totally symmetrical crossover circuitry with a slope of more than 50 dB/octave. This all leads to a music reproduction which is almost free of distortions and dynamical compression effects so as to keep music authentic and joyful for any listener. Hint: Even played low the BERLINA RC 7 sounds warm, strong and full of details like you have never it before from other loudspeakers.



BERLINA RC 7 from beneath: You can see the adjustable spikes, the two bassreflex vents and the frequency crossover in its separate chamber. The blue channel provides heat exchange.



High Quality –
Made in Germany



Founded in 1929 in Berlin the manufacturing facility for the ISOPHON HighEnd speakers was moved to Renningen in 1997 and is managed by Dr. Roland Gauder and Achim Knapp while the driver production has remained in Berlin.

So all the necessary steps from research and design to cabinet manufacturing, driver mounting and distribution of all products are in our hand. With this background ISOPHON can promise and provide a full and constant quality service. Numerous awards and reviews for highest quality and sound have underlined the excellent reputation of ISOPHON speakers worldwide.

ISOPHON – The Fine Loudspeaker Manufactory.

If you make up your mind for an ISOPHON speaker you do not get a product manufactured on an assembly line but by hand with great care and love for detail.

Every speaker shipped to a customer is extensively checked by measuring procedures and listening tests from our employees to provide a 100% audio and finish quality. For long emotional listening and unforgettable hours of Joy of Listening.

That's what our Isophon team stands for!