DIORA ACOUSTICS

2024

Ideal sound, perfect appearance.

- Handmade
- Perfect finish
- European components

DIORA ACOUSTICS is a Polish Hi-End audio brand established by the Diora-Świdnica company, an European leader in the production of cabinets for loudspeakers.

Diora-Świdnica was a significant manufacturer in the 20th century in the loudspeaker category. Currently it is the largest cabinets contractor in Europe for Hi-End sets. Recipients of its products are leading audio producers around the world.

Diora - Świdnica employs over 120 people and produces more than 20 000 cabinets a year. Manufacturing process is carried out in a manual and semi-automatic system which allows for the highest quality cabinet finishes. Diora-Świdnica has also a modern R&D department which together with the product modeling shop prepare prototypes of the latest loudspeakers for many well-known audio brands.

Products manufactured under the DIORA ACOUSTICS brand are based on a combination of Diora – Świdnica experience in terms of production loudspeaker cabinets addressed to the Hi-End sector and the thoughts of Polish designers and technologists.

DIORA ACOUSTICS loudspeakers have been created and designed by specialists in the field of acoustics. Design work lasted more than 2 years and in the middle of 2023 the first prototypes left the model shop in Diora-Świdnica. All DIORA ACOUSTICS products are made and based on Polish conceptual studies and components manufactured exclusively in Europe.

In October 2023 the first two series of DIORA ACOUSTICS products had their premiere at the Audio Video Show. PERUN flagship series includes 3 products and another 3 models are presented in the CHORS series.

In February 2024 during The Bristol Hi-Fi Show the first model of the third line of DIORA ACOUSTICS products- LADA- with a very modern and unusual design will be exhibited.

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Chors

Your own space of beauty and sound

A product family consisting of three types of sets loudspeakers in sealed cabinets using ceramic transducers. Chors is a series in which the largest representative is the floor three-way set, medium two-way floor set and the smallest is a two-way stand-mount set.

Created to faithfully reproduce all nuances included in music recordings. Sealed cabinet use causes dynamic performance of low frequencies. The sets are designed to work together with high-class electroacoustic equipment for room sound system in a stereo system.

A unique solution for using interchangeable decorative and acoustic panels allows individually adjust the sets to various rooms and the preferences of the demanding listener. Perfect quality is crowned with a brass logo embedded in varnish. Attention to every detail of workmanship pleases not only the ear but also the eye.

Chors 1

Housings

Black Piano

White Piano

Dark Walnut Soft Touch

Dark Walnut Piano

Panels

Black Piano

White Piano

Ruby Red Piano

Zebrano Piano

Makassar Piano

Dark Walnut Piano

Dimensions (H x W x D)

380 x 231 x 264 mm / stand 680 x 279 x 350 mm

Construction	2 – way, passive, sealed enclosure
High frequency transducer	dome, ceramic diaphragm, 25,5 mm voice coil diameter
Low-frequency transducers	2 pcs.: ceramic diaphragm, Ø 150 mm nominal size, Ø 30,5 mm voice coil, 15 mm peak-to-peak excursion
Nominal horizontal dispersion	138° (at 4 kHz)
Nominal impedance	4 Ω
Impedance minimum	3,9 Ω
Nominal power	50 W
Power (RMS)	100 W
Power (maximum)	200 W
Nominal sensitivity	83 dB (2,83 V at 1 m)
Frequency range (-3 dB)	95 Hz – 20 kHz
Weight	9,2 kg

Chors 5

Housings

Black Piano

White Piano

Dark Walnut Soft Touch

Dark Walnut Piano

Panels

Black Piano

White Piano

Ruby Red Piano

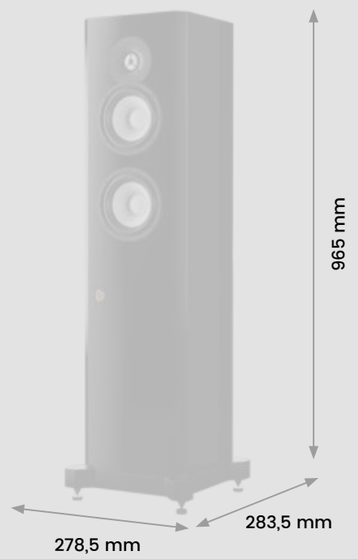
Zebrano Piano

Makassar Piano

Dark Walnut Piano

Dimensions (H x W x D)

965 x 278,5 x 283,5 mm



Construction	2 – way, passive, sealed enclosure
High frequency transducer	dome, ceramic diaphragm, 25,5 mm voice coil diameter
Low-frequency transducers	2 pcs.: ceramic diaphragm, Ø 170 mm nominal size, Ø 35,5 mm voice coil, 11 mm peak-to-peak excursion
Nominal horizontal dispersion	136° (at 4 kHz)
Nominal impedance	4 Ω
Impedance minimum	3,7 Ω
Nominal power	100 W
Power (RMS)	200 W
Power (maximum)	400 W
Nominal sensitivity	83 dB (2,83 V at 1 m)
Frequency range (-3 dB)	80 Hz – 20 kHz
Weight	20,5 kg

Chors 7

Housings

Black Piano

White Piano

Dark Walnut Soft Touch

Dark Walnut Piano

Panels

Black Piano

White Piano

Ruby Red Piano

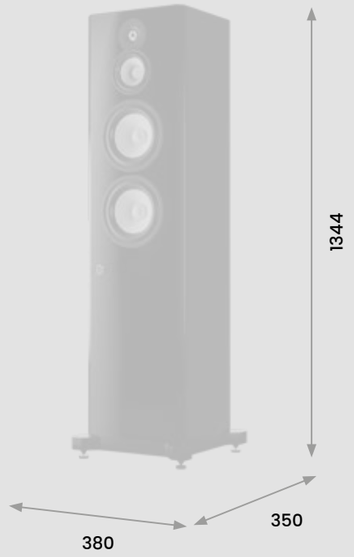
Zebrano Piano

Makassar Piano

Dark Walnut Piano

Dimensions (H x W x D)

1344 x 380 x 350 mm



Construction	3 – way, passive, sealed enclosure
High frequency transducer	dome, ceramic diaphragm, 25,5 mm voice coil diameter
Medium frequency transducer	ceramic diaphragm, Ø 150 mm nominal size, Ø 30,5 mm voice coil
Low-frequency transducers	2 pcs.: ceramic diaphragm, Ø 230 mm nominal size, Ø 45,5 mm voice coil, 19 mm peak-to-peak excursion
Nominal horizontal dispersion	97° (at 4 kHz)
Nominal impedance	4 Ω
Impedance minimum	3,3 Ω
Nominal power	100 W
Power (RMS)	200 W
Power (maximum)	400 W
Nominal sensitivity	86 dB (2,83 V at 1 m)
Frequency range (-3 dB)	43 Hz – 20 kHz
Weight	45 kg

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Perun

Your own space of beauty and sound

The flagship series of Diora Acoustics products performs perfectly in every music genre even in demanding film music. All sets can be successfully used in multi-channel or home theater systems thanks to the uncompromising woofer section.

The series includes three models, both three-way as well as four-way ones and the main feature of them is the use of advanced ring speakers where both the midrange and the high-frequency transducer work in a common tube with constant radiation angles.

Thanks to this solution the sound of the device is the same throughout the entire tube radiation range reducing the impact of the room setting and its acoustics. The low-frequency section is based on professional transducers in a closed cabinet with complicated filters optimized for work in closed spaces using acoustics phenomena occurring in them.

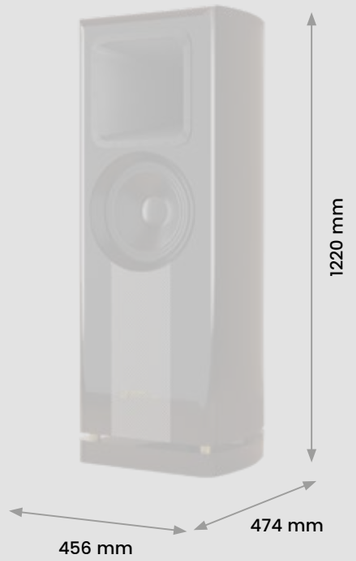
The use of vibration isolators allows for dampening of vibrations and impacts resulting from the movement of elements and complete isolation of the set from the ground.

A characteristic feature of the Perun series is the use of carbon as a decorative element on the front board and top. The craftsmanship is complemented by the immersion of brass logo in the varnish structure.

Perun 1

Dimensions (H x W x D)

1220 x 456 x 474 mm



Housings

Black Piano

White Piano

Ruby Red Piano

Front board / top

Carbon

Construction	3 – way, partially horn-loaded, coaxial high- and medium-frequency sections, constant directivity horn
High frequency transducer	ring radiator, Ø 51 mm voice coil, Ø 36 mm exit – coaxial with medium frequency transducer
Medium frequency transducer	ring radiator, Ø 76 mm voice coil, Ø 36 mm exit – coaxial with high frequency transducer
Low-frequency transducers	Ø 320 mm nominal size, Ø 100 mm voice coil, 29 mm peak-to-peak excursion
Nominal horizontal dispersion	90° horizontal, 50° vertical
Nominal impedance	8 Ω
Impedance minimum	4,8 Ω
Nominal power	1000 W (AES)
Nominal sensitivity	84 dB (2.83 V at 1 m)
Frequency range (-3 dB)	39 Hz – 19 kHz
Frequency range (-6 dB)	33 Hz – 20 kHz
Weight	93 kg

Perun 3

Dimensions (H x W x D)

1420 x 476 x 674 mm

Housings

Black Piano

White Piano

Ruby Red Piano

Front board / top

Carbon

Construction	4 – way, partially horn-loaded, coaxial high- and medium-frequency sections, constant directivity horn
High frequency transducer	ring radiator, Ø 51 mm voice coil, Ø 36 mm exit – coaxial with medium frequency transducer
Medium frequency transducer	ring radiator, Ø 76 mm voice coil, Ø 36 mm exit – coaxial with high frequency transducer
Low-frequency transducers	2 pcs.: Ø 320 mm nominal size, Ø 100 mm voice coil, 29 mm peak-to-peak excursion
Nominal horizontal dispersion	90° horizontal, 50° vertical
Nominal impedance	4 Ω
Impedance minimum	2,9 Ω
Nominal power	2000 W (AES)
Nominal sensitivity	88 dB (2.83 V at 1 m)
Frequency range (-3 dB)	38 Hz – 19 kHz
Frequency range (-6 dB)	30 Hz – 20 kHz
Weight	166 kg

Perun 5

Dimensions (H x W x D)

1620 x 706 x 714 mm

Housings

Black Piano

White Piano

Ruby Red Piano

Front board / top

Carbon

Construction	3 – way, partially horn-loaded, coaxial high- and medium-frequency sections, constant directivity horn
High frequency transducer	ring radiator, Ø 65 mm voice coil, Ø 36 mm exit – coaxial with medium frequency transducer
Medium frequency transducer	ring radiator, Ø 100 mm voice coil, Ø 36 mm exit – coaxial with high frequency transducer
Low-frequency transducers	Ø 460 mm nominal size, Ø 100 mm voice coil, 41 mm peak-to-peak excursion
Nominal horizontal dispersion	80° horizontal, 60° vertical
Nominal impedance	8 Ω
Impedance minimum	3,6 Ω
Nominal power	1600 W (AES)
Nominal sensitivity	91 dB (2.83 V at 1 m)
Frequency range (-3 dB)	37 Hz – 19 kHz
Frequency range (-6 dB)	31 Hz – 20 kHz
Weight	223 kg

Lada

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Your own space of beauty and sound

The Lada series includes the loudspeaker devices with an impulse response that is close to ideal. Low Q, minimization of self-resonances and unprecedentedly short decay time for the entire frequency range allow you to isolate the smallest details in the reproduced sound. The bass is presented by one of the world's best woofers, in a sealed enclosure.

This allowed us to achieve both detail and operation in the very low frequency range. The rest of the frequency range has been divided into two isodynamic drivers, which are devoid of the drawbacks of electrodynamic speakers, acting as an ideal sound source. All curvatures of both the internal and the external walls allow for the elimination of standing waves and the device's own resonances.

Crafted with a unique design those speakers boast a one-of-a-kind enclosure that not only enhances its aesthetic appeal but also optimises sound dispersion. Its unconventional shape catches the eye and also delivers unparalleled acoustics ensuring every note is crisp and every beat resonates with depth. The Lada series features vibration-isolating footers integrated into its base. These specialized isolators effectively minimize resonance and vibration transfer allowing the speaker to deliver pristine sound reproduction without any interference or distortion. Lada series remains stable and steady guaranteeing a consistent and immerse listening experience.

Lada 3

Korpus

Black S-matt

Black Piano

White Piano

Front

Ruby Red Piano

White Piano

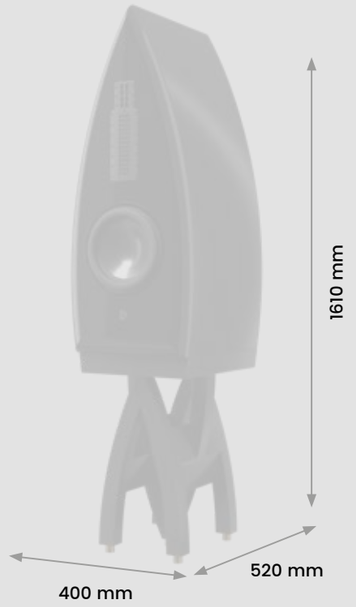
Black Piano

Stand

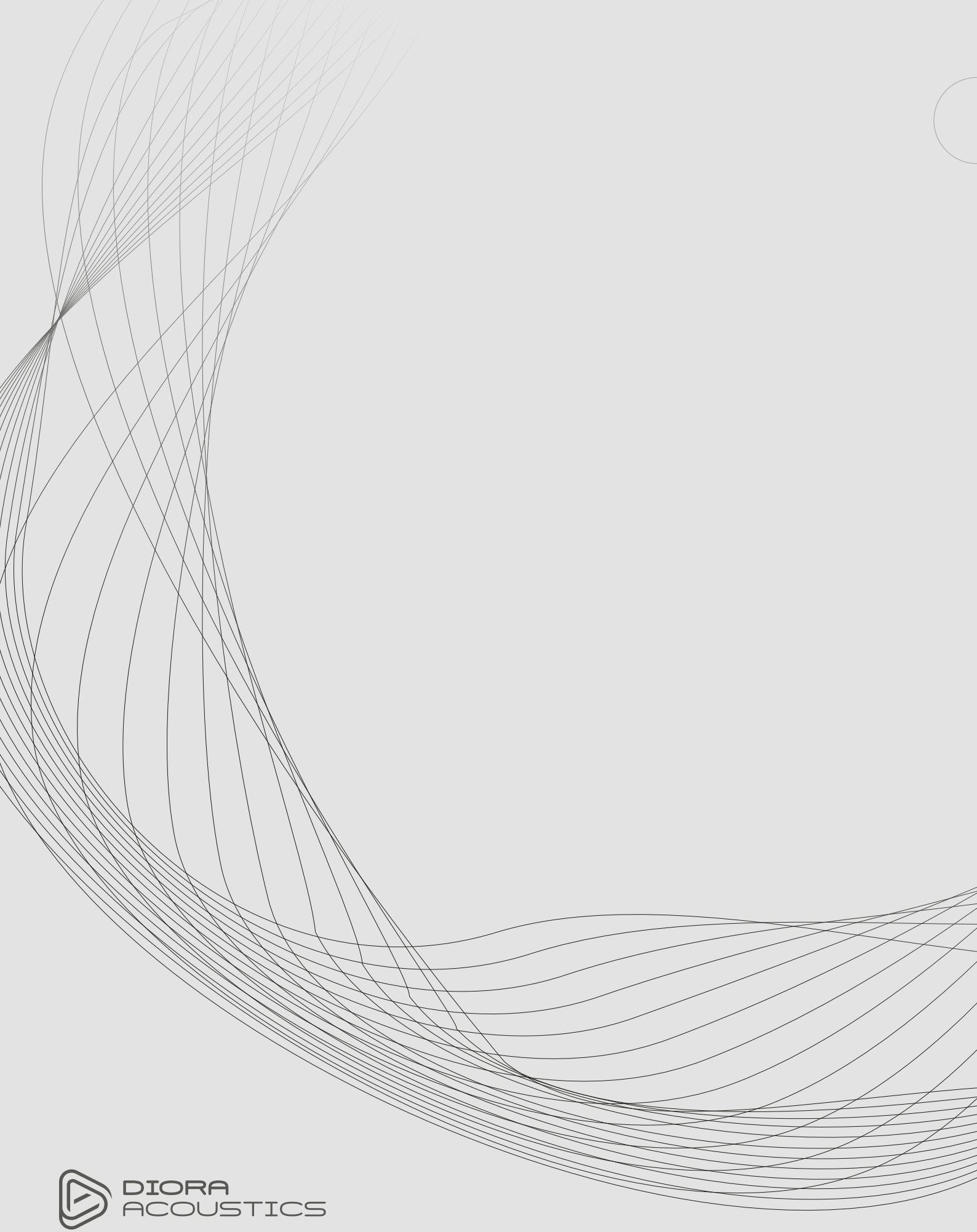
Black S-matt

Dimensions (H x W x D)

1610 x 400 x 520 mm



Construction	3 – way floor-standing/monitor
High frequency transducer	isodynamic, nominal size: 78 mm
Medium frequency transducer	isodynamic, nominal size: 200 mm
Low-frequency transducers	Ø 270 mm nominal size, Ø 56 mm voice coil, 28 mm peak-to-peak excursion
Nominal horizontal dispersion	97° (at 4 kHz)
Nominal impedance	4 Ω
Impedance minimum	2,5 Ω
Nominal power	250 W (AES)
Nominal sensitivity	82.5 dB (2.83 V, 1 m distance)
Frequency range (-3 dB)	31 Hz – 20 kHz
Frequency range (-6 dB):	27 Hz – 23 kHz
Weight	80,5 kg



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