
Vienna
pure
Physix
emotions

Diva grandezza

Music is a way of describing
the world without words or concepts.
It is the philosophy of emotions.

Carl Ludwig Schleich


The horns

The spherical horn is the most perfect,
and at the same time most complex means
of transmitting sound.

Specially modified mid frequency and tweeter
drivers are mounted at the centre of the horns.
The optimal contour of the horn was defined using
software developed specially for Vienna Physix.
The results of countless metering tests
were input into this program
before the contour of the horn could be machined.

The result is perfect spherical horns such as have
never been manufactured before.

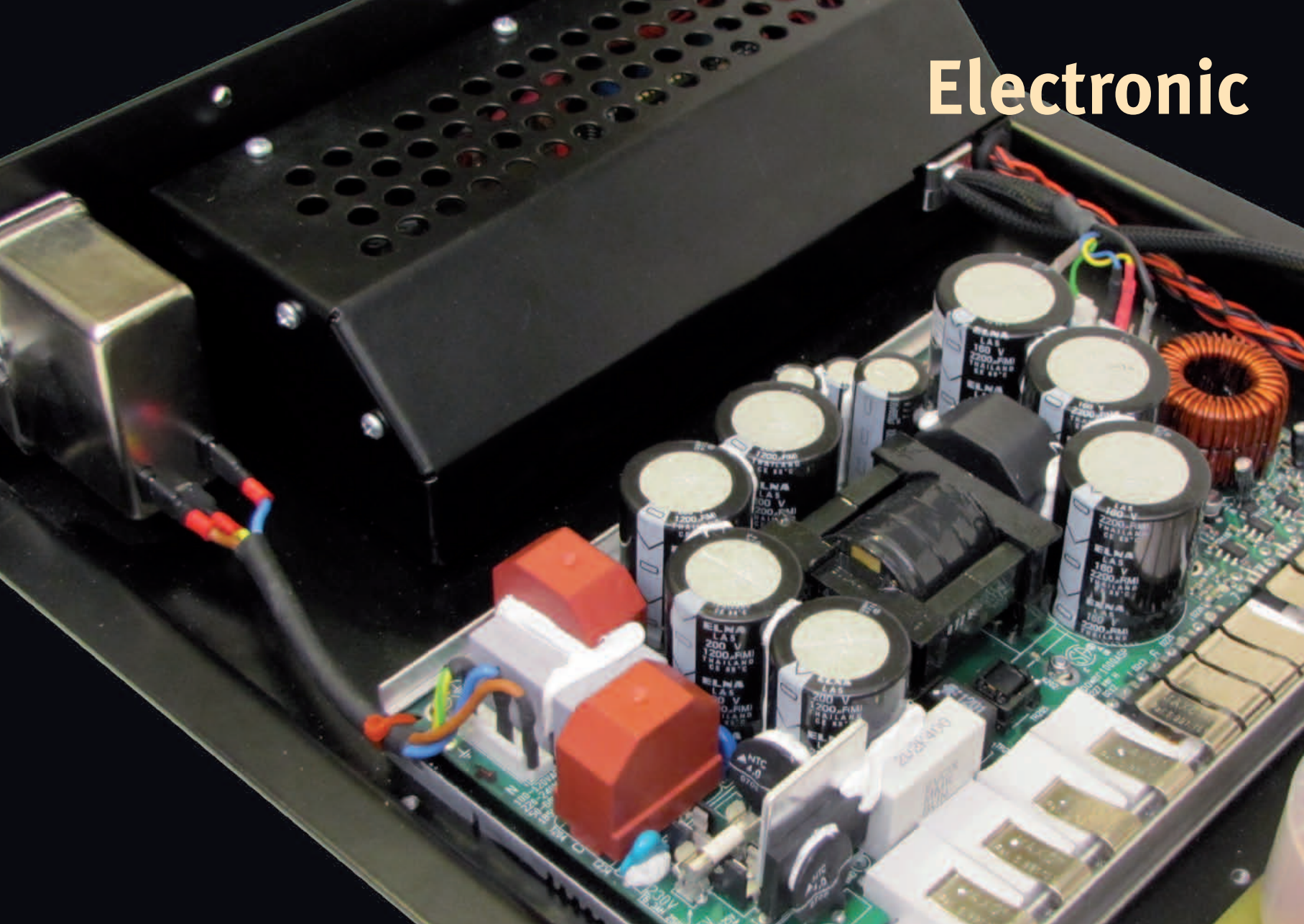

The bass

The active amplification of low frequencies was a logical consequence of the high efficiency of the horns.

An amplifier in the base of the Diva controls the base range, allowing your home hi-fi system to develop the medium and high-frequency ranges to the full.

The housings of the subwoofers achieve a high degree of stability coupled with low resonance thanks to their special design and choice of materials.
Patented LF absorbers are used to suppress low-frequency vibrations. The housings are also lined with rubber and-steel mats.

Sound absorbtion is achieved using only natural, hand felted sheep’s wool.


Electronic

A 500 watt amplifier takes the low frequencies
from an active coupler and feeds them
to the low-frequency driver.
Its circuit topology is designed for minimum
output impedance, enabling it to achieve
a maximum damping factor,
and resulting in absolute control of
the bass membrane.
The integrated volume control allows
for individual adjustment of the bass module
to the listening room.

The passive audio crossover
for medium and high frequencies
is also mounted in the base.
For this purpose we use exclusively quality
components from the high-end manufacturer
“Jantzen Audio, Denmark”.
In order to ensure a perfect stereo experience,
we pair all coils and capacitors
prior to installation.

It is not the right angle
that attracts me,
nor the straight line, hard and inflexible,
created by man.

It is the curve that appeals to me,
free and sensual,
the curve that I find in the mountains
of my homeland,
in the course of its winding rivers,
in the waves of the sea,
and in the body of a desirable woman.

The entire universe
is made up of curves –
Einstein's curved universe.

Oscar Niemeyer

Design

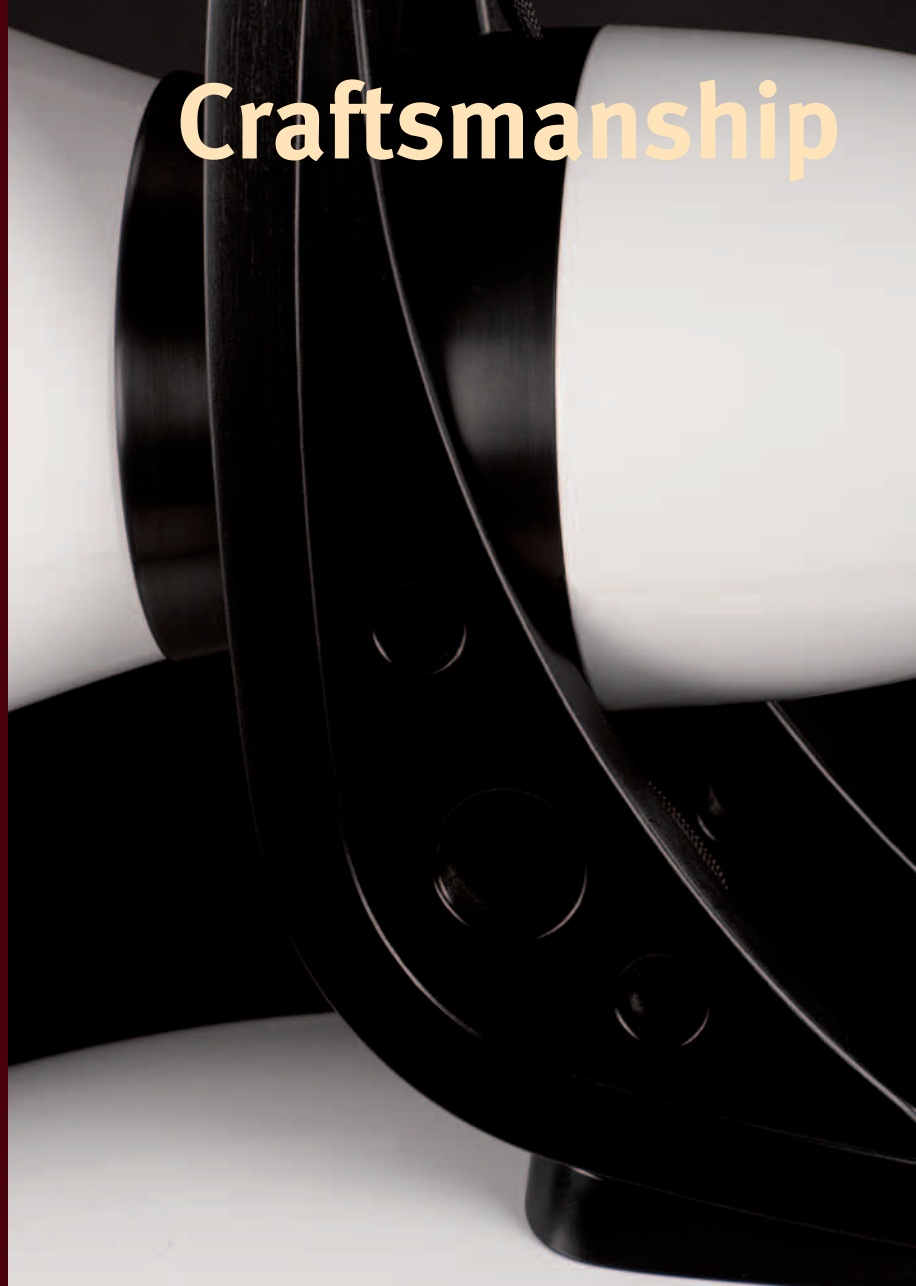
Craftsmanship

Before every Diva grandezza leaves the factory,
it passes through the hands
of countless craftsmen – joiners,
electroacoustic engineers, polishers.

Our intensive collaboration with
an aircraft manufacturer has enables us
to develop a production process for our
sophisticated woofer housing of
composite materials.

The element to which the medium and
high frequency horn is attached
is laminated of 16 hardwood veneers.
This method of producing curved wooden
components comes from the traditional craft
of boatbuilding.

It is only the sum of all these skills that
gives the Diva
its aura of perfection.

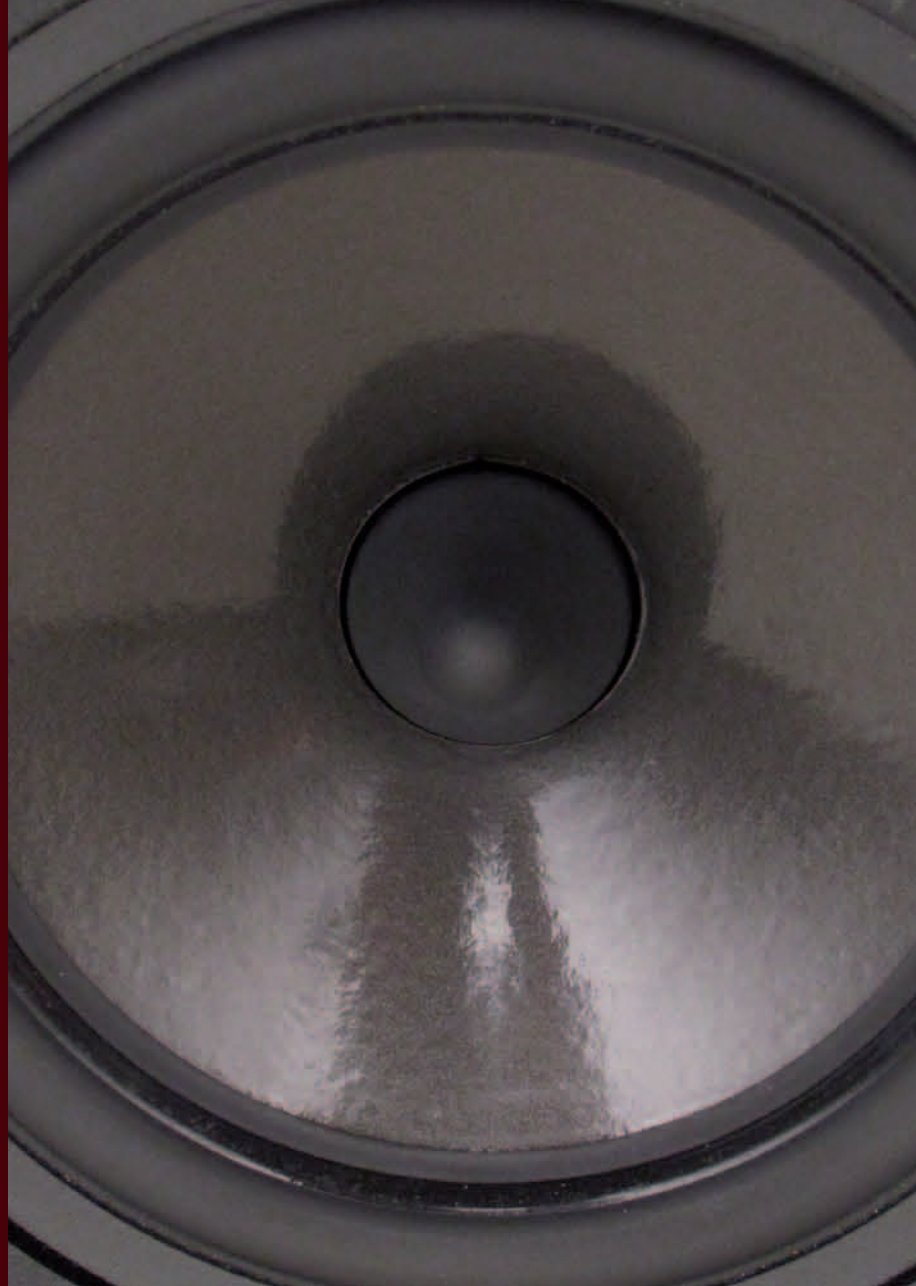



Spherical horn shape

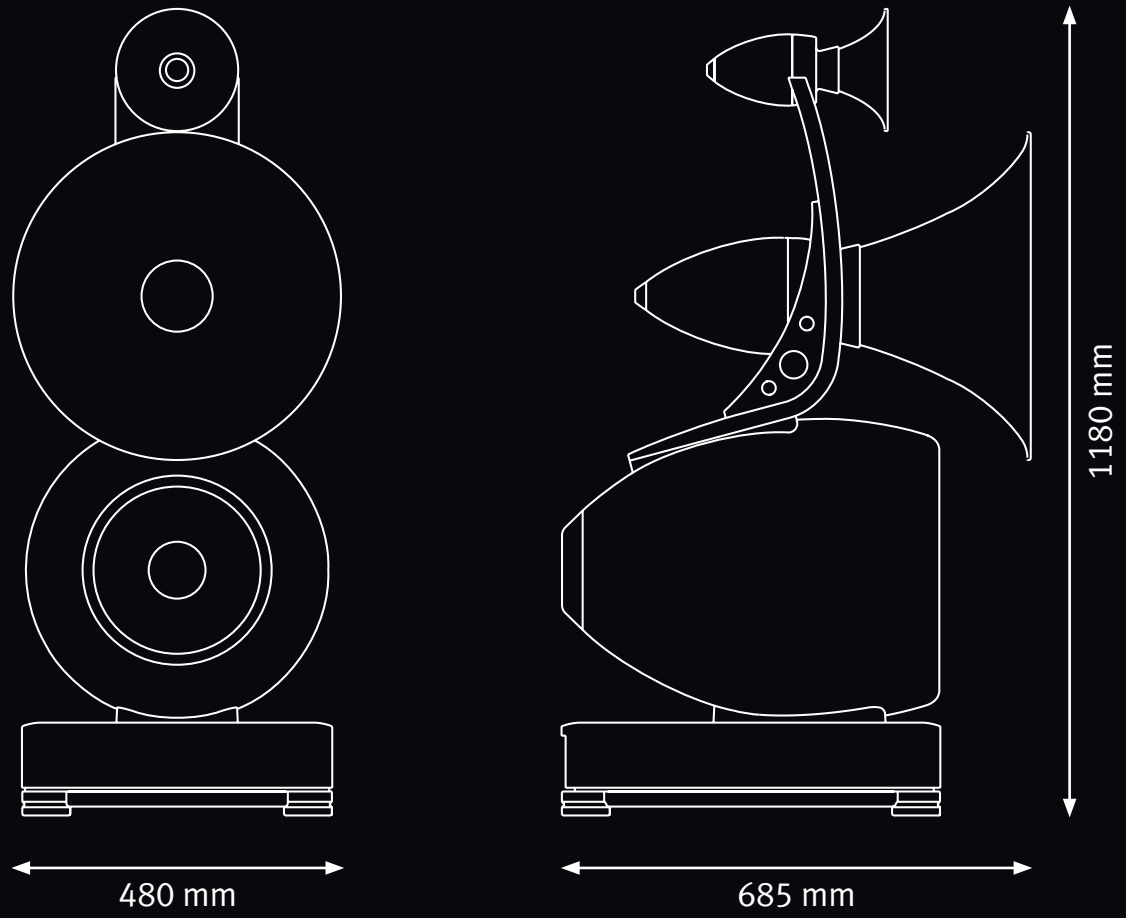
Medium and high frequencies are
reproduced by spherical horns.
This is the only type of horn
whose shape can be precisely defined
with specific start and end points.

Sound distribution is geometrically precise,
significantly reducing distortion.
The radiation characteristics of the horns
reduce the impact of the room acoustics on the
actual listening experience.

The midrange speaker handles
the frequency range of 280 to 2400 hertz,
with the tweeter controlling frequencies
above this range.
This high separation frequency
reduces membrane stroke and helps
the tweeter to develop its qualities to the full:
crystal clear high notes,
unrestrained impetuosity.



Technical data



3–way hybrid loudspeaker

High frequency horn	180 mm
Midrange horn	480 mm
Woofer	10“
High frequency driver	1“
Midrange driver	4“
Crossover frequency	280 / 2400 Hz
Class D amplifier	500 W rms
SPL. 1m / 1W	98 dB
SPL. max.	116 dB
L x W x H	685 x 480 x 1180 mm
Weight	73 kg
min. power rating	8 Watt
Standby	3 Watt
max. power consumption	600 Watt

Specifications subject to change without notice.

Block diagram