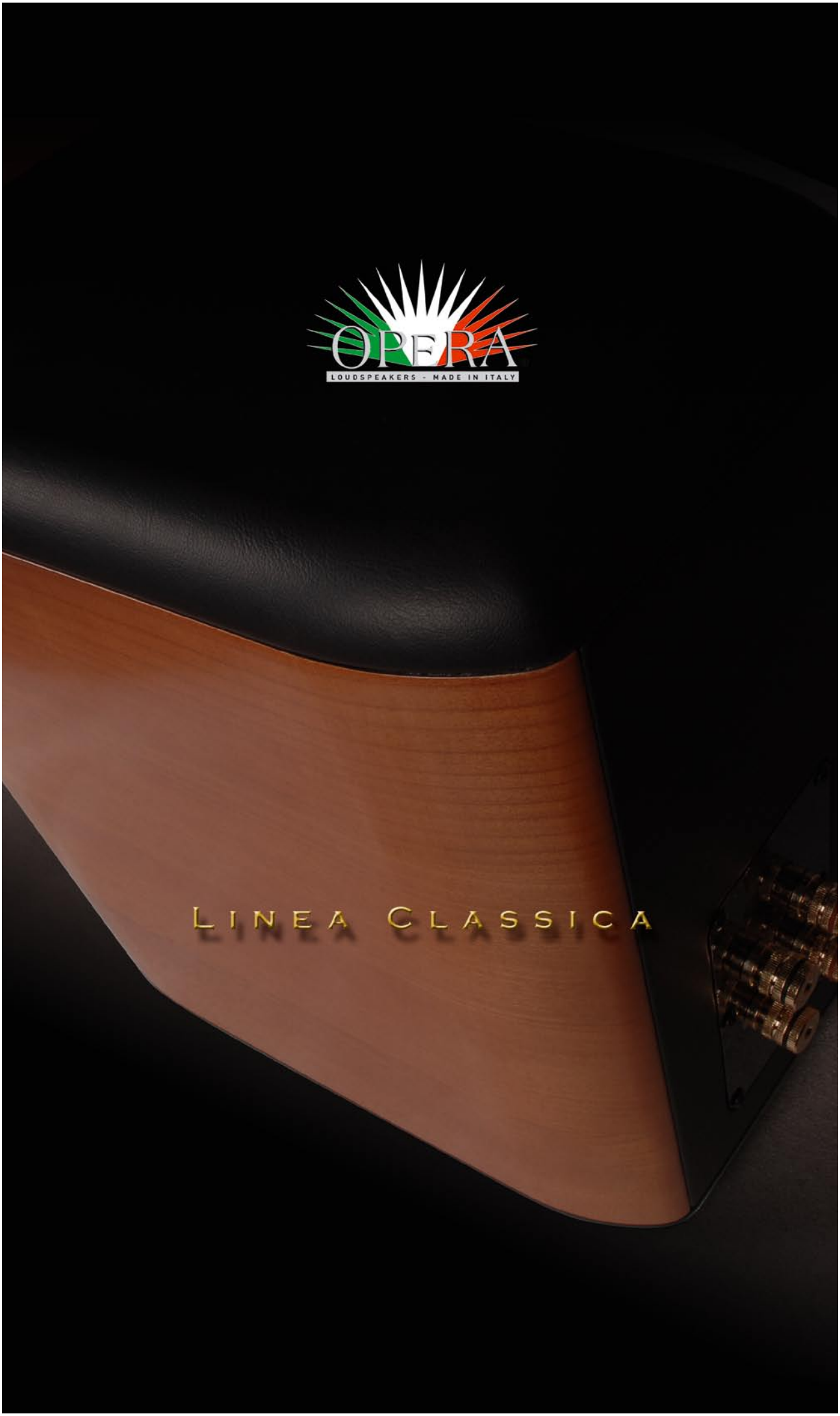
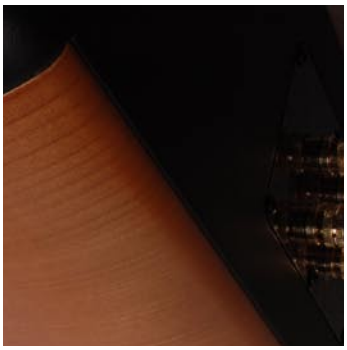

OPERA
LOUDSPEAKERS - MADE IN ITALY
LINEA CLASSICA

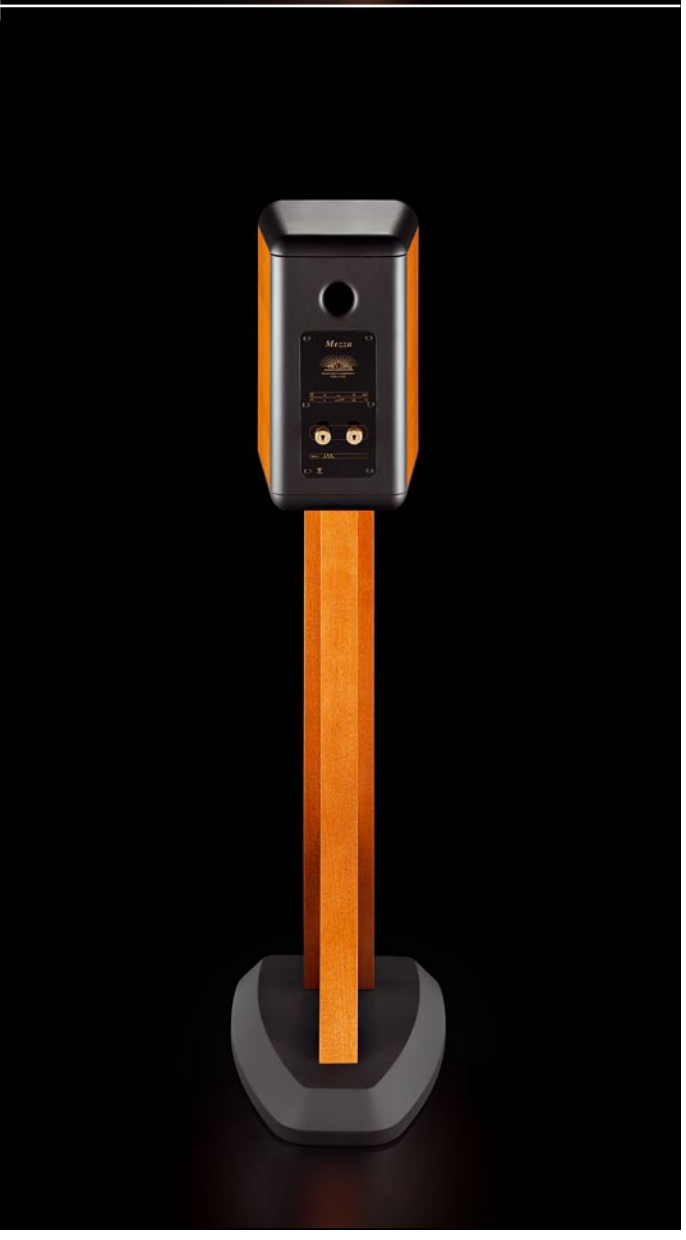




The new Opera Linea Classica uses luxurious materials and high quality drive units to offer excellent sound quality and finish. All new Opera models share similar drive units. The new 6_" woofer is developed by Seas specifically for Opera. It consists of an aluminium cone with a rubber surround that gives an extremely flat frequency response free from sub-harmonics, diaphragm break-up and rim resonance. The coil is wound on an aluminium former for improved power dissipation and an ABS phase plug cancels out any problems incurred by the dust cap. The tweeter is also a Seas design and is a 1" fabric dome design with a large decompression chamber and contains magnetic fluid in the air gap. There is a fourth order high pass filter circuit which guarantees a frequency crossover of around 2.3kHz with low distortion and optimum dynamics.

The cabinet is constructed from MDF and the curved sides are veneered using real wood and a high quality lacquer finish in the best Italian tradition. The top and rear of the cabinet, as well as the slimline front baffle, are all finished in leather.

All the designs are two-way, due to the crossover implementing either a near-parallel (Seconda) or near-series (Quinta) system. Whilst each model is similarly voiced for optimum system matching, the power handling, dynamic range and maximum SPL increase with the number of drive units employed.

Extra special attention has been paid to the impedance curve. Minimum impedance for the Prima and Seconda is higher than 3.9ohm (with a very low phase angle), whilst the maximum impedance does not exceed 10ohm. This results in a true nominal 4ohm design. The impedance of the Quinta is extremely smooth, ranging from 7 (@100Hz) to 5.9ohm (@20kHz), with almost no phase angle whatsoever. This results in a true 8ohm loudspeaker, dispensing with the need for high current amplifiers and expensive cable and creating an easy match for both valve and solid state amplifiers. All Linea Classica models boast high quality bi-wirable, gold-plated connectors.



# Mezza

Opera Mezza is the smallest model of the “Classic Series”, it is a two-way diffuser of about 8 internal litres with reflex load, constructed to be placed like a shelf or on a stand and characterised by a flat frequency response and an unexpected low frequencies reproduction.

**Cabinet**

The cabinet of the Opera Mezza is realised in finely-shaped MDF with rounded edges, veneered in real wood finely polished. The front panel is covered with synthetic hide that, beyond the aesthetic finish, also works as packing for the loudspeakers.
The size of the front panel, following Opera’s tradition, is large enough to hold the loudspeakers. In this case, being this diffuser created to be placed like a shelf, the two reflex ducts are located on the front panel. Inside the cabinet there is a good quantity of acrylic sound absorbent material that controls the reflex Q factor and minimize the internal reflections.

**Components**

Also this model uses the same tweeter we find on other models of the Classical Series: it is a one inch tweeter (the same used in the Callas SP) with a silk dome, a wide rear decompression chamber and ferrofluid in the gap. The qualities of this SEAS tweeter are well known and appreciated. The woofer, also made by SEAS, come from the model ET15 developed for our Operetta Model. It is a 5 inches unit with 15cm chassis, 26mm voice coil on a Kapton former with a transparent polypropylene diaphragm, rubber outer surround suspension and a PVC dust cup. Two copper rings are fitted above and below the T-shaped pole piece: they reduce distortion and stabilize the magnetic flux. The cast chassis, of aerodynamic design, is fully open even beneath the inner suspension.

**Crossover**

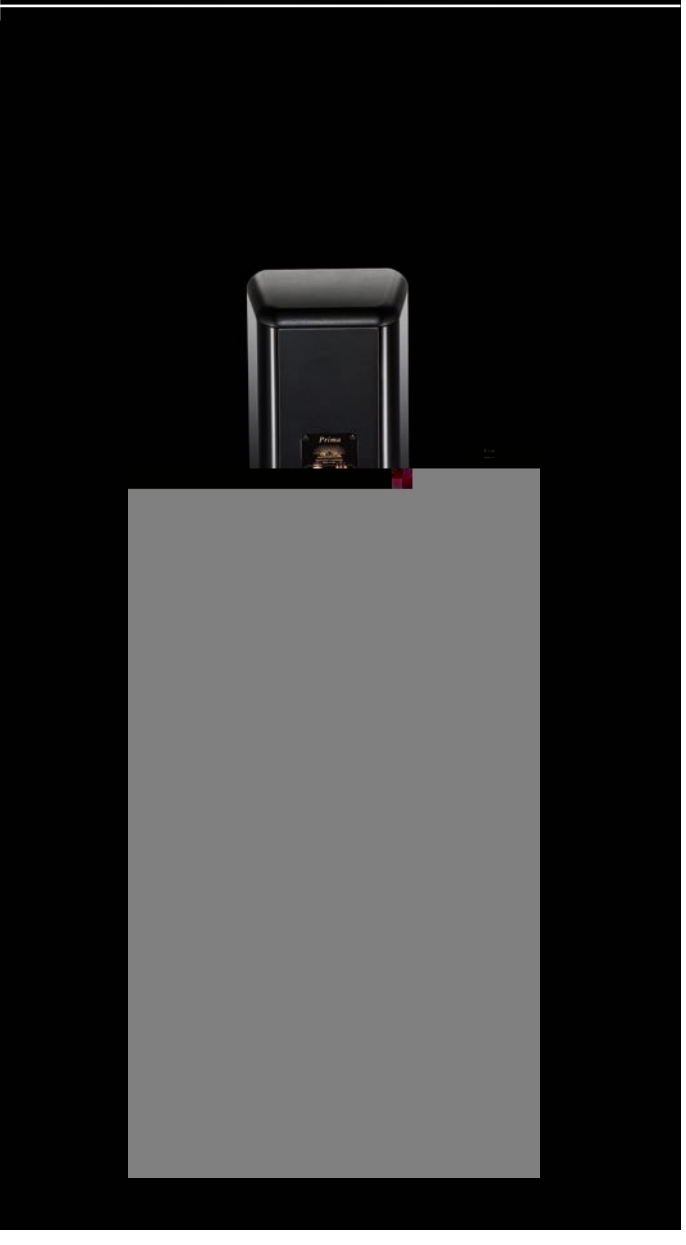
In designing the “Classic Series”, particular attention has been paid to the electric impedance. In particular, we wanted to guarantee a load condition compatible with any type of amplifier.
In order to do so, the impedance minimums have been kept within the limits allowed by the DIN regulation that provides that, for the nominal 8 ohm diffusers, the impedance does not go below 6.4 ohm. The electrical impedance modulus of Opera is always over 6.2 ohm.
We believe that the cost of a diffuser has to be assessed together with the cost of the amplifier more suited to guide it. Opera Prima is a nominal 8 ohm diffuser that can be easily driven by a wide range of amplifiers, either with valves, solid or digital (Class D).
The crossover of Opera Mezza uses a classic network with asymmetrical slopes.
The crossover frequency is at about 2800 Hz and the sensitivity is 86 dB (2.83 V at one metre).

**Room Position**

Opera Mezza has been designed to be placed like a shelf but can also be used with a stand (available upon request). In any case, we advise against placing the diffuser in a corner and one needs to keep a minimum distance of at least 30 cm from the side walls. If the diffusers are put on stands, the best position within the surroundings has to be found experimentally.

**Available in the following finishes:**

**Mahogany** **Cherry** **Piano Black**



# *Prima*

The Prima is an attractive two-way, bass reflex, medium-sized standmount model. It has an open and detailed sound with very good scale and bass weight for its dimensions and is front-ported, so close proximity placement to rear walls is possible for optimum room compatibility.

**System**

Opera Prima is a 2-way bass-reflex loudspeaker of about 13 internal litres, designed to be placed either on a shelf or stand, and characterised by good extension of the frequency response towards lower frequencies. The loudspeaker is equipped with four bi-wire ready gold-plated connectors of large diameter.

**Cabinet**

The Opera Prima cabinet is designed with rounded edges, using quality MDF, and finished with finely polished real wood veneers.The front, top and rear panels are covered with manufactured leather, which beyond aesthetic qualities, also work as damping for the loudspeakers.
The front panel, following Opera's tradition, is thick enough to properly control the drivers.
In this model, seeing as the loudspeaker was designed to be placed on a stand or shelf, the reflex port is located on the front panel.
The cabinet interior is filled with quality acrylic wadding in order to control the extended frequency response, while lowering internal reflections.

**Components**

All Linea Classica models use the same drive units; the one inch tweeter (the same used in the Callas SP) is a silk dome unit, with ferrofluid in the air gap and a wide rear decompression chamber. The qualities of this SEAS tweeter are well known and appreciated. The woofer, also made by SEAS, was developed specially for this line of loudspeakers. It is a 6.5 inch unit with 18cm chassis, 38mm voice coil, aluminium diaphragm and rubber outer suspension. It has a dynamic mass appreciably higher than the norm, and an impedance of 4 ohm. Two copper rings are fitted above and below the T-shaped pole piece, which both reduce distortion and stabilize the magnetic flux. Finally, the bullet-shaped phase plug in ABS helps to dissipate heat and overcomes compression effects associated with normal dust-caps. It also improves emission at the high-frequency end of the unit`s range. The cast chassis, of aerodynamic design, is fully open even beneath the inner suspension.

**Crossover**

In designing this new "Classic Series", particular attention has been paid to the electrical impedance. In particular, we wanted to guarantee a load condition compatible with any type of amplifier.
In order to do so, the impedance minimums have been kept within the limits allowed by the DIN regulation that provides that, for a nominal 4 ohm loudspeaker, the impedance does not fall below 3.2 ohm.
The electrical impedance modulus of Opera Prima is always over 3.8 ohm, and the progression is regular with contained phase rotations.

**Room Positioning**

The Opera Prima has been designed to be placed either on a solid shelf or a quality stand (the latter available from Opera). In any case, we advise against placing the loudspeakers in a corner, and one needs to keep a minimum distance of at least 30 cm (12") from the side walls. If the loudspeakers are put on stands, the best position within your surroundings will be found with a little experimenting.

**Available in the following finishes:**

**Mahogany**

**Cherry**

**Piano Black**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# Grand Mezza

The design of the Grand Mezza is a natural evolution of the Opera Mezza . It is a “two-and-a-half” way floorstanding loudspeaker with a bass reflex load, characterised by a flat and wide frequency response and surprisingly low frequency reproduction. This is part in thanks to the very high quality, high dynamic drivers employed and results in an exceptional price/quality ratio.

**Cabinet**

The cabinet of the Grand Mezza is constructed in finely-shaped MDF with rounded edges, veneered in finely polished real wood. The front baffle is covered with synthetic hide that, beside aesthetics, also works as packing for the loudspeakers.
The size of the front panel, following Opera’s tradition, is large enough to house the drive units. In this case, to maximise the reflex load, the port is located to the bottom rear of the loudspeaker. Inside the cabinet there is a good quantity of acrylic sound absorbent material which fills the upper section of the cabinet that controls the reflex Q factor and minimises internal reflections.

**Components**

This model uses the same tweeter we find on other models of the Classica Series: it is a one inch tweeter (the same used in the Callas SP) with a silk dome, a wide rear decompression chamber and ferrofluid in the gap. The qualities of this SEAS tweeter are well-known and admired. The two woofers, also made by SEAS, come from the model ET15 developed for Opera’s renowned Operetta Model. It is a 5 inches unit with 15cm chassis, 26mm voice coil on a Kapton former with a transparent polymeric diaphragm, rubber outer surround suspension and a PVC dust cup. The maximum displacement of the diaphragm exceeds 10 mm. Two copper rings are fitted above and below the T-shaped pole piece: these stabilise the magnetic flux reduce distortion due to inductance variation. The cast chassis, of aerodynamic design, is fully open even beneath the inner suspension.

**Crossover**

In designing the “Classica Series”, particular attention has been paid to the electric impedance. In particular, we wanted to guarantee a load compatible with any type of amplifier.
In order to do so, the impedance minimums have been kept within the limits allowed by the DIN regulation that provides that, for the nominal 4 ohm speakers, the impedance does not go below 3.2 ohm. The electrical impedance modulus of Grand Mezza is therefore always above 3.2 ohm.

We believe that the cost of a loudspeaker has to be assessed together with the cost of the amplifier more suited to drive it. Grand Mezza is a nominal 4 ohm diffuser that can be easily driven by a wide range of amplifiers, either with valves, solid or digital (Class D).

The crossover of the Grand Mezza uses a classic network with asymmetrical slopes.
The crossover frequency is at about 2 kHz and the sensitivity is 89 dB (2.83 V at one metre).

**Room Position**

Grand Mezza is a floorstanding design with a rear bass reflex port. The minimum distance necessary from the rear wall is only a few centimetres. However, we advise against placing the loudspeaker in a corner and to keep a minimum distance of at least 50 cm from side walls. The best position within any room is usually found by experimentation.

**Available in the following finishes:**

**Mahogany** **Cherry** **Piano Black**

# Seconda

The Seconda is a very interesting two-way design that uses two separate sealed chambers in an 'infinite baffle' configuration with no bass relfex port. This closed box design results in fast and taut bass response combined with detail and weight. Again, due to the design of the speaker room placement is not a problem.

**System**

Opera Seconda is a 2.5-way floorstander in a sealed cabinet - characterised, thanks to two woofers assembled in pneumatic suspension in separate chambers, by excellent response and authority in the low frequencies. The loudspeaker is equipped with four bi-wire ready gold-plated connectors of large diameter.

**Cabinet**

The Opera Seconda cabinet is designed with rounded edges, using quality MDF, and finished with finely polished real wood veneers. The front, top and rear panels are covered with manufactured leather, which beyond aesthetic qualities, also work as damping for the loudspeakers.
The front panel, following Opera's tradition, is thick enough to properly control the drivers.
The internal volume is divided into two separate chambers, that beyond strengthening the structure, remove the resonant frequencies associated with the height of the piece.
The cabinet interior is filled with quality acrylic wadding in order to control the extended frequency response, while lowering internal reflections.
Because there is no reflex port, the loudspeaker can be located near to the rear wall, and is therefore optimally used both as front and/or rear loudspeakers in home theatre systems.

**Components**

All models of the Linea Classica series use the same drive units; the one inch tweeter (the same used in the Callas SP) is a silk dome unit, with ferrofluid in the air gap and a wide rear decompression chamber. The qualities of this SEAS tweeter are well known and appreciated. The woofer, also made by SEAS, was developed specially for this line of loudspeakers. It is a 6.5 inch unit with 18cm chassis, 38mm voice coil, aluminium diaphragm and rubber outer suspension. It has a dynamic mass appreciably higher than the norm, and an impedance of 4 ohm. Two copper rings are fitted above and below the T-shaped pole piece, which both reduce distortion and stabilize the magnetic flux. Finally, the bullet-shaped phase plug in ABS helps to dissipate heat and overcome compression effects associated with normal dust-caps. It also improves emission at the high-frequency end of the unit`s range. The cast chassis, of aerodynamic design, is fully open even beneath the inner suspension.

**Crossover**

In designing this new "Classic Series", particular attention has been paid to the electric impedance. In particular, we wanted to guarantee a load condition compatible with any type of amplifier.
In order to do so, the impedance minimums have been kept within the limits allowed by the DIN regulation that provides that, for nominal 4 ohm loudspeakers, the impedance does not fall below 3.2 ohm.
The electrical impedance modulus of Opera Seconda is always over 4.25 ohm, and the progression is regular with contained phase rotations.

**Room Positioning**

Opera Seconda is a floorstanding loudspeaker. We advise against placing the loudspeaker in a corner, and suggest keeping a minimum distance of at least 30 cm (12") from the side walls. The best position within your environment will be found with a little experimenting.

**Available in the following finishes:**

**Mahogany**

**Cherry**

**Piano Black**

# Quinta

The new Quinta continues with the outstanding scale and depth of its predecessor and builds on it with the use of new drive units, crossover and cabinet design. It's a true full-range, dynamic loudspeaker that relays anything from jazz trios to full scale symphonic music with authority and detail, yet also delicacy.

**System**

The Opera Quinta differs from the previous model of the same name by having a new cabinet, new components and new crossover. The cabinet is slightly larger than before, with an internal volume of around 60 litres and is divided into two chambers; the lower chamber, of roughly 40 litres houses two bass drivers. The upper chamber, of roughly 20 litres houses the upper bass driver. The three reflex ports are mounted on the loudspeaker`s rear panel. There are 4 gold plated terminal connectors and the speaker is bi-wirable if required.

**Cabinet**

All Linea Classica models have their cabinets in shaped MDF, with sides veneered and lacquered using real wood, while the remaining sides are finished in leather. The size of the front panel, following Opera's tradition, is large enough to hold the loudspeakers. The inside of the cabinet is divided into two separate chambers, which not only reinforces the structure but also raises the frequency of the first normal resonance mode. The inside of the cabinet is filled with quality acrylic wadding, which helps eliminate internal reflections and resonance and assists bass frequency damping. The bass reflex ports are placed on the rear panel.

**Components**

All models of the Linea Classica Series use the same drive units; the one inch tweeter (the same used in the Callas SP) is a silk dome unit, with ferrofluid in the air gap and having a wide rear decompression chamber. The qualities of this SEAS tweeter are well known and appreciated. The woofer, also made by SEAS, was developed specially for this line of loudspeakers. It is a 6.5 inch unit with 18cm chassis, 38mm voice coil, aluminium diaphragm and rubber outer suspension. It has a dynamic mass appreciably higher than the norm, and an impedance of 4 ohm. Two copper rings are fitted above and below the T-shaped pole piece, which both reduce distortion and stabilize the magnetic flux. Finally, the bullet-shaped phase plug in ABS helps to dissipate heat and overcomes compression effects associated with normal dust-caps. It also improves emission at the high-frequency end of the unit`s range. The cast chassis, of aerodynamic design, is fully open even beneath the inner suspension.

**Crossover**

In designing the new Classic Series, particular attention has been paid to electrical impedance.
This is to ensure that the loudspeaker will present a load compatible with every type of amplifier.
The minimum impedance for a nominally 6 Ohm loudspeaker under DIN regulations is not less than 4.8 Ohms at the lowest point of the impedance curve. Opera Quinta adhere to this norm.
The electrical impedance curve of the Opera Quinta is in fact always above 5.9 Ohm (5.54 Ohm real impedance at 20KhZ) and although not completely resistive, it is extremely regular with phase rotations close to zero over a wide range of frequencies from 200Hz upwards. This ease of drive makes the Opera Quinta a rarer breed, opposed to prevailing tendencies in loudspeaker design.
The Opera Quinta is a very easy loudspeaker to drive, and best results can be achieved with any type of amplifier, whether valve or solid-state.
The crossover of the Opera Quinta is a `two-and-a-half-way`, with three bass units connected in quasi-series

**Room Positioning**

Opera Quinta is a floor standing loudspeaker. It is inadvisable to place the loudspeaker in a corner, and the recommended distance from side walls is at least 30cm. As always, the best position within the room will be found while experimenting. Even though the reflex ports are rear-mounted, it is sufficient to maintain a distance of just a few inches between the rear of the loudspeaker and the rear wall.

**Available in the following finishes:**

Mahogany

Cherry

Piano Black

## *Mezza*

**System:**
Bookshelf or standmount - Bass Reflex

**Driver Units:**
1 woofer 5” with polypropylene cone
1 tweeter with a 1” dome - silk dome, ferrofluid, decompression chamber

**Number of Ways:**
2 ways

**Frequency response:**
45 -20000 Hz

**Crossover:**
12 dB/octave for the woofer
18 dB/octave for the il tweeter
Crossover frequency around 2800 Hz

**Power Handling:**
70 watt RMS

**Recommended amplifier:**
10-15 Watt RMS

**Sensitivity:**
86 dB/2.83 Volt/1 metre

**Nominal impedance:**
8 ohm (Zmin > 6.2 ohm)

**Room Position:**
At least 30 cm from side and rear walls

**Size:**
17 x 29 x 31,5 cm (w x d x h)
6,7 x 11,4 x 12,40 inch

**Weight:**
8 Kg (17,6 Lb)

## *Prima*

**System:**
Bookshelf or standmount, reflex loaded with front port

**Drive units:**
1 x 6.5 inch bass drivers - aluminium cone
1 x 1 inch tweeter - fabric dome

**Number of ways:**
2 way

**Frequency response:**
40-20000 Hz

**Crossover:**
12 dB/octave for the low pass
24 dB/octave for the high pass
Crossover frequency 2300 Hz approx

**Power handling:**
70 watt RMS

**Recommended amplifier:**
10 to 70 Watt RMS or more (without clipping)

**Sensitivity:**
89 dB/1watt/1 meter

**Nominal Impedance:**
4 ohm (Z min > 3.9 ohm)

**Room positioning:**
At least 20-30 cm from side room boundary

**Size:**
36,5 x 24 x 31,5 cm (h x w x d)
14,4 x 9,5 x 12,4 inch (h x w x d)

**Weight:**
10,5 Kg (23 lbs)

## *Grand Mezza*

**System:**
Floorstanding column - Bass Reflex

**Drive units:**
2 woofer 5” with polypropylene cone
1 tweeter with a 1” dome - silk dome, ferrofluid, decompression chamber

**Number of Ways:**
2 way

**Frequency response:**
30 -20000 Hz

**Crossover:**
12 dB/octave for the woofer
12 dB/octave for the il tweeter
Crossover frequency around 2000 Hz

**Power handling:**
140 watt RMS

**Suggested amplifier:**
From 10-15 Watt RMS or more (without clipping)

**Sensitivity:**
89 dB/2.83 Volt/1 metre

**Nominal impedance:**
4 ohm (Zmin > 3.2 ohm)

**Room positioning:**
At least 50 cm from side, 10 cm from rear walls

**Size:**
95 x 26,5 x 31,5 cm (h x w x d)
37,4 x 10,4 x 12,4 inch (h x w x d)

**Weight:**
19 Kg (42 lbs)

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## *Seconda*

**System:**

Floorstanding column, two separated sealed chambers

**Drive units:**

2 x 6.5 inch bass drivers - aluminium, cone

1 x 1 inch tweeter - fabric dome

**Number of ways:**

2 1/2 way

**Frequency response:**

32-20000 Hz

**Crossover:**

Nearly-parallel for woofers 12 dB/octave low pass

24 dB/octave for the high pass

Crossover frequency 2300 Hz approx

**Power handling:**

140 watt RMS

**Recommended amplifier:**

10 to 140 Watt RMS or more (without clipping)

**Sensitivity:**

89 dB/1watt/1 meter

**Nominal Impedance:**

4 ohm (Z min > 4.2 ohm)

**Room positioning:**

At least 20-30 cm from side room boundary

**Size:**

102,5 x 24 x 31,5 cm (h x w x d)

40,3 x 9,5 x 12,4 inch (h x w x d)

**Weight:**

25 Kg (55 lbs)

## *Quinta*

**System:**

Floorstanding column two separated reflex loaded chambers

**Drive units:**

3 x 6.5 inch bass drivers - aluminium cone

1 x 1 inch tweeter - fabric dome

**Number of ways:**

2 1/2 way

**Frequency response:**

30-20000 Hz

**Crossover:**

Nearly-series for woofers 6 dB low pass

24 dB/octave for the high pass

Crossover frequency 2300 Hz approx

**Power handling:**

210 watt RMS

**Recommended amplifier:**

10 to 210 Watt RMS or more (without clipping)

**Sensitivity:**

89 dB/1watt/1 meter

**Nominal Impedance:**

6 ohm (8 max and 5.95 min from 100 to 20000 Hz with)

**Room positioning:**

At least 20-30 cm from rear-side room boundary

**Size:**

117,5 x 24 x 39,5 cm (h x w x d)

46,3 x 9,5 x 15,5 inch (h x w x d)

**Weight:**

34 Kg (75 lbs)


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