



*Opera present*

*Linea Classica*



*Three New Models from Opera (Prima, Seconda & Quinta)*

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The three new Opera models share the same drivers: the woofer is a new 6.5 inch driver specifically developed by Seas for Opera.

This woofer has an aluminium cone diaphragm with a rubber surround that gives a very flat frequency response and is free from sub-harmonics and defects due to break-up of the diaphragm or rim resonance. The moving coil (diameter 38 mm) is wound on an aluminium former for better power dissipation. The ABS phase plug cancels all the problems due to the dust cup. The tweeter, made by Seas, has a 1-inch fabric dome with a large decompression chamber and magnetic fluid in the air gap. The tweeter high pass filter is a fourth order circuit which guarantees a cross-over frequency at about 2.3 kHz with low distortion and high dynamics. The cross-over, for all models, is assembled in two separate boards (one for the low pass and one for the high pass) which are fixed inside the cabinet at an adequate length away from each other to cut the and cross-talk due to the mutual inductance effects between coils.

The cabinet is constructed using MDF, with curved sides, veneered with real wood and finely lacquered in the best Italian tradition. The cabinet front baffle, only a little larger than the woofer diameter, is finished in leather, as is the top and rear.

All three designs act like two-ways system thanks to the cross-over which implements different techniques like nearly-parallel (Opera Seconda) or nearly-series (Opera Quinta). While the “voice” of all models is quite similar, power handling, dynamic and maximum SPL increases with the number of woofers used.

For these new models we have paid special attention to the electric impedance curve: minimal impedance for the Opera Prima and Opera Seconda is greater than 3.9 ohm with very low phase angle, while the maximum value does not exceed 10 ohm. Therefore they can be considered true 4 ohm nominal impedance systems. The impedance of the Opera Quinta model is really very smooth with values ranging from 7 (at 100 Hz) to 5.9 (at 20 kHz) and a practically null phase angle: the Opera Quinta model is a true 6 ohm loudspeaker. Therefore the choice of the amplifier is easier and the performance is much less dependant on cable quality: it is not necessary to use very expensive cable or expensive “high current” amplifiers and matching your preference of either valve or solid state amplification is easy. If you consider the cost of our new models included in with the affordable price of the amplifier and cables required to drive them you will find their price even more interesting. All three models have bi-wiring capability with golden-plated, large-diameter connectors.

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# *Linea Classica*





*Mod. Opera Prima*

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<b>System:</b>	Bookshelf or standmount, reflex loaded with front port
<b>Drive units:</b>	1 x 6.5 inch bass drivers – aluminium cone 1 x 1 inch tweeter - fabric dome
<b>Number of ways:</b>	2 way
<b>Frequency response:</b>	40-20000 Hz
<b>Cross-over: low pass:</b>	12 dB/octave for the low pass 24 dB/octave for the high pass Crossover frequency 2300 Hz approx
<b>Power handling:</b>	70 watt RMS
<b>Recommended amplifier:</b>	10 to 70 Watt RMS or more
<b>Sensitivity:</b>	89 dB/1watt/1 meter
<b>Nominal Impedance:</b>	4 ohm (Z min → 3.9 ohm)
<b>Room positioning:</b>	At least 20 cm from rear room boundary At least 30 cm from side room boundary
<b>Size:</b>	36,5 x 24 x 31,5 cm
<b>Weight:</b>	10,5 Kg

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*Mod. Opera Seconda*

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<b>System:</b>	Floorstanding column, two separated sealed chambers
<b>Drive units:</b>	2 x 6.5 inch bass drivers - aluminium, cone 1 x 1 inch tweeter - fabric dome
<b>Number of ways:</b>	2 1/2 way
<b>Frequency response:</b>	32-20000 Hz
<b>Cross-over: low pass:</b>	Nearly-series for woofers + 12 dB/octave low pass 24 dB/octave for the high pass Crossover frequency 2300 Hz approx
<b>Power handling:</b>	140 watt RMS
<b>Recommended amplifier:</b>	10 to 140 Watt RMS or more
<b>Sensitivity:</b>	89 dB/1watt/1 meter
<b>Nominal Impedance:</b>	4 ohm (Z min → 3.9 ohm)
<b>Room positioning:</b>	At least 20 cm from rear room boundary At least 30 cm from side room boundary
<b>Size:</b>	102,5 x 24 x 31,5 cm
<b>Weight:</b>	25 Kg

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*Mod. Opera Quinta*

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<b>System:</b>	Floor-standing column - two separated reflex loaded chambers
<b>Drive units:</b>	3 x 6.5 inch bass drivers - aluminium cone 1 x 1 inch tweeter - fabric dome
<b>Number of ways:</b>	2 1/2 way
<b>Frequency response:</b>	30-20000 Hz
<b>Cross-over: low pass:</b>	nearly-parallel for woofers + 6 dB low pass 24 dB/octave for the high pass Crossover frequency 2300 Hz approx
<b>Power handling:</b>	200 watt RMS
<b>Recommended amplifier:</b>	10 to 200 Watt RMS or more
<b>Sensitivity:</b>	89 dB/1watt/1 meter
<b>Nominal Impedance:</b>	6 ohm (8 max and 5.9 min from 100 to 20000 Hz with)
<b>Room positioning:</b>	At least 20 cm from rear room boundary At least 30 cm from side room boundary
<b>Size:</b>	117,5 x 24 x 39,5 cm
<b>Weight:</b>	34 Kg

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