



LINEA CLASSICA

Quinta (2011)

Today, Opera Loudspeakers is one of the few manufacturers that uses the sealed enclosure to load the woofer. The success and interest in our Opera Seconda model has prompted us to extend the use of a closed-box load in the new Quinta model. This new Opera Quinta, presented at the Top Audio and Video Show 2011 in Milan, is still a three-way floorstanding design, but it has been completely updated with a new cabinet structure, drivers and crossover system.

Drivers

The new 7" woofer is a custom model made by Scanspeak for the whole new Classica series. This woofer has excellent performance in the mid-frequencies—so much so that it can be used as a midrange. It is equipped with an aluminium diaphragm with a 38 mm coil (two-layer, CCWA wire) with an aluminium former immersed in a suitably shaped air gap. There is also a metal ring around the pole piece to control the flux variations. The basket is die-cast for maximum stiffness. Compared to its predecessor, the volume displacement is increased by a significant 10%. The rigid aluminium diaphragm is free from sub-harmonics and transverse modes and perfectly reproduces the lower frequencies. The two woofers, connected in parallel, share the same 40 litre enclosed volume.

The midrange, as in the previous Quinta model, is identical to the woofer and takes advantage of the oversized linear excursion to greatly reduce intermodulation distortion.

The rear volume of the midrange, located in a separate closed space, is filled with one layer of pyramidal shaped, 10 cm thick, polyurethane which forms an extremely effective acoustic trap. As a consequence, consistency and clarity are the hallmarks of the sound of this speaker.

The tweeter, a D26 series model made by Scanspeak, has a one inch high quality treated soft dome, double magnet, decompression chamber, ferrofluid, aluminum flange and a one mm. peak to peak linear excursion (twice as much as a conventional tweeter). The frequency response extends to 30kHz (0 dB) and 40 kHz is reproduced (-6 dB). The resonant frequency is about 860 Hz which makes this tweeter insensitive to vibrations from other loudspeakers (due to the heavy 30 mm MDF used on the front panel).

Crossover

The crossover uses the same cascade configuration that you can find in our top Tebaldi and Caruso models. The circuit is divided on three different boards, which are placed at suitable distance from each other to reduce the effects of the mutual inductance of the coils. The high-pass sections (for tweeter and midrange) are designed to minimize the microphonic effect (something which is rarely done). The capacitors used in the signal path have been carefully selected. This also contributes to the stability of the virtual central channel to create a stable and precise soundstage.

Cabinet

The upper part of the cabinet follows the curvature of the Malibran model. On the front panel, MDF (30 mm thick) is made wide enough to accommodate the speaker drivers, and has rounded edges that are covered in leather which also acts as a seal for the speaker. The sides of the cabinet are veneered with real wood and finely polished. The structure is further stiffened by internal bracing. Opera Quinta is equipped with strong iron bars for wheels or spikes. The four external connectors (Quinta is designed for bi-wiring) are the traditional gold-plated brass connectors, the same for all Opera speakers including our top models. They accept any kind of wire termination, providing a safe and effective electrical and mechanical contact.

The insensitivity of the closed box system to sub-sonic frequencies makes our speakers especially suited to the reproduction of analog records (LPs). The Opera Quinta is also suited to be used as front and/or rear channel in home theater systems: with two pairs of Opera Quinta you can get a Home Theater System that requires no center channel and no sub-woofer.

Particular attention has been paid to the electrical impedance curve to get an overall reproduction of sound that is less sensitive to the quality of the cables and amplifier (tube or solid state). Opera Quinta is a true 4 ohm nominal impedance system that meets the DIN 45500 standards (minimum impedance greater than 3.2 ohms) that can be driven by any amplifier suited for 4 ohm nominal load. The new Quinta Model, although part of the Classica series, makes an important qualitative leap in the absolute quality of the reproduction and in the "value for money" department, making it even more competitive.

Opera Quinta has a final diffuser; with full extension of the low frequency, it is capable of reproducing large volumes of sound. It is also easy to place in a room, with its clear and defined midrange and high frequency reproduction typical of our top speakers.

Technical Specifications

System:	Floor-standing column - Closed box
Loudspeakers:	2 7" woofer - Aluminium cone 1 7" midrange – Aluminium come 1 1" Scanspeak Tweeter D26
Number of ways:	3
Frequency response:	30-30000 Hz
Cross-over:	Woofer: 6 dB low pass Midrange: 12 dB Low pass and high pass Tweeter : 12 dB high pass
Crossover frequency	300 – 2000 Hz approx
Power:	140 watt RMS
Amplifier:	From 10 to 200 Watt RMS or more – With out Clipping
Sensitivity:	89 dB/2.83Vrms/1 meter
Nominal Impedance:	4 ohm (min > 3.2)
Position in the room:	away from corners
Size :	110 x 24.5 x 43 cm 43 x 9.5 x 17 inches (HxWxD)
Net Weight:	51 Kg 112.5 lbs