PL 664

Sonus faber
PALLADIO

MAIN FEATURES

- **FAMILY FEELING :**

A visible reminder of the Olympica Nova collection is the front wooden panel with hand-made inlays in maple, available in walnut or wengè finishes.
The leather embellishes the Voice of Sonus faber, the iconic configuration of tweeter and midrange and enriches the aesthetic rings around the woofers.

- **MAGNETIC GRILLES :**

The PL-664 is equipped with a magnetic edgeless square metal grille, ready to be painted.

- **QUICK INSTALLATION :**

Thanks to the swing out dogs fixing system, all Palladio speakers can be secured quickly and effectively to plasterboard.

- **MULTIPLE POSITIONS :**

The LCR model PL-664 is designed to be installed both horizontally and vertically according to different needs: front / side / surround channel if used in vertical position or center channel if mounted horizontally. Two versions of the wooden panel are available to allow both arrangements by simply removing the 4 screws.

- **PREMIUM KIT:**

The LCR model PL-664 can be complited with the Premium Kit that includes the natural wood front mask, the string grille and the paintable magnetic frame.

PL 664

square magnetic grille

PREMIUM KIT

Natural wood front mask

+

Paintable frame

+

String grille

TWEETER :
DAD™ (Damped Apex Dome) silk dome tweeter.

MIDRANGE :
The custom diaphragm is made in natural fiber and cellulose pulp, according to the most natural sound.

WOOFER :
Made with a sandwich construction technique: two sheets of cellulose pulp are combined with a hi-tech syntactic foam in between them. This high-rigidity structure provides fast and powerful sound reproduction while allowing total coherence with the mid-high units.

PARACROSS TOPOLOGY ™
The anti-resonant design of the x-over network features the Paracross Topology™ circuitry enriched with custom made capacitors branded by Sonus faber.

LOUDSPEAKER SYSTEM	3-way point in ceiling loudspeaker system. Infinite baffle.	
TWEETER - DAD™ DRIVER	29 mm / 1.1 in	
MIDRANGE	80 mm / 3.1 in	
WOOFER	2 x 165 mm / 2 x 6.5 in	
CROSSOVER FREQUENCY - PARACROSS TOPOLOGY™	450 and 3,000 Hz	
FREQUENCY RESPONSE	45 – 25,000 Hz (rear open) | 80 – 25,000 Hz (rear sealed)	
SENSITIVITY (2.83 Vrms @ 1m)	90 dBSPL	
NOMINAL IMPEDANCE	4 Ω	
SUGGESTED AMPLIFIER POWER OUTPUT (*)	40 – 200W without clipping	
FRAME OUTER	655 x 270 mm / 25.7 x 10.6 in	
CUT OUT	632 x 247 mm / 24.8 x 9.7 in	
DEPTH BEHIND SURFACE	113 mm / 4.5 in	
PROTRUSION	13 mm / 0.51 in	
NET WEIGHT	12.32 kg / 27.1 lb - net	
• **INCLUDED IN THE BOX**	Bezel-Free square magnetic grille	
• **ADDITIONAL FITTINGS**	Premium Kit: • Natural wood front mask • String grille • Paintable frame	net weight 0.88 kg | 194 ib

(*) See instruction's manual for more information

CEDIA MEMBER

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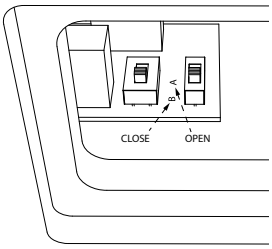
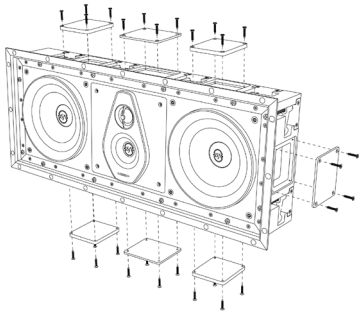
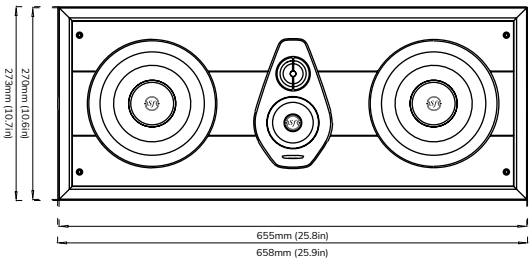
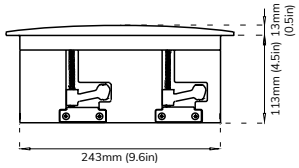
SPEAKER CLOSED / OPEN SWITCH

Whenever the “open” speaker is to be introduced into the wall in order to make use of the load offered by the structure of said wall - in order to maximise the extension of the low frequencies- the lateral caps must be removed from the speaker and the switch positioned in the “A” position (open).



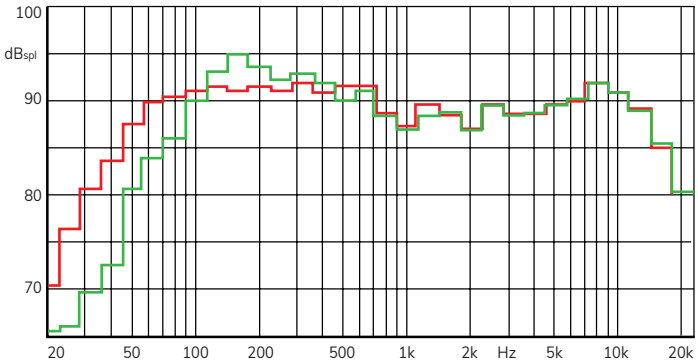






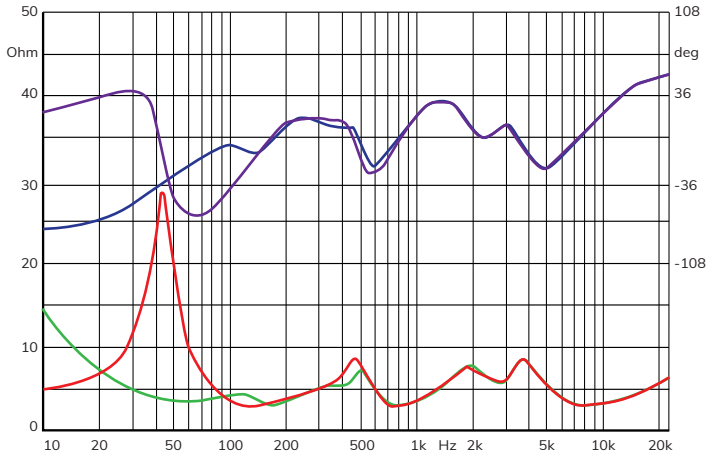
THIRD OCTAVE AXIAL RESPONSE @1m

● REAR CLOSED + FILTER



IMPEDANCE [MODULE AND PHASE]

● ● REAR CLOSED + FILTER



AMPLIFIER OUTPUT POWER REQUIREMENTS VS. LISTENING DISTANCE (PER SINGLE CHANNEL) *

	LISTENING DISTANCE [m]						
	1.50	1.75	2.00	2.50	3.00	3.50	4.00
W CONTINUOUS (RMS)	1.4	1.9	2.5	4	5.7	7.8	10
W PEAK	2.9	3.9	5.1	7.9	11.4	15.5	20

* [FOR A DIRECT SPL=85 dB; 1 kHz SINE TONE]

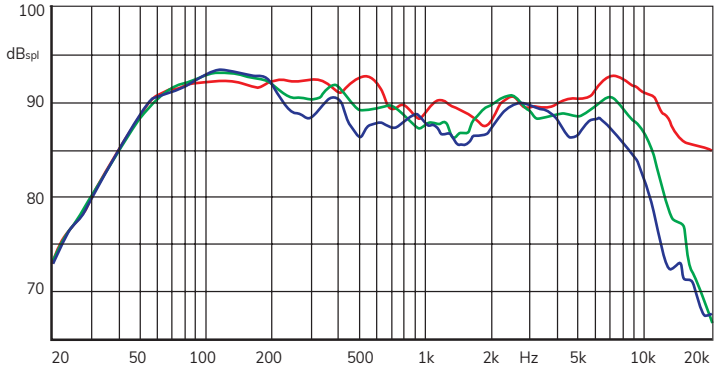
	LISTENING DISTANCE [m]						
	1.50	1.75	2.00	2.50	3.00	3.50	4.00
W CONTINUOUS (RMS)	11.3	15.4	20.1	32	45	62	80
W PEAK	45	60	80	125	180	246	320

* [FOR A DIRECT SPL=85 dB;
IEC TEST SIGNAL SIMULATING A NORMAL PROGRAM]

The huge difference between the values depends on the signals that have been considered in the two examples. A simple sine tone is the most elementary one while the IEC signal is quite complex. In a real world, while the first could conveniently represent the power needs for speech, the second gives an idea of the power needs for wide frequency range, large headroom music.

HORIZONTAL DISPERSION [@1m WITH 2.83 VRMS]

--- 45° ; --- 30° ; ---0°



VERTICAL DISPERSION [@1m WITH 2.83 VRMS]

--- 45° ; --- 30° ; ---0°