PRODUCT DATA SHEET LEVEL 6

PC 664 P

Sonus faber

PALLADIO

MAIN FEATURES

- **FAMILY FEELING :**

A visible reminder of the Olympica Nova collection is the leather that embellishes the Voice of Sonus faber, the iconic configuration of tweeter and midrange.

- **SOUND POINTING :**

Whenever front speakers cannot be placed on walls, this model is made to be mounted in the ceiling.
By positioning drivers to be angled to the surface, the sound emission aims to the direction of the listening position.

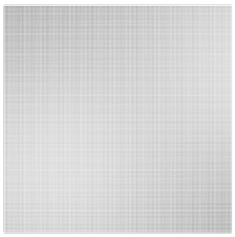
- **MAGNETIC GRILLES :**

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

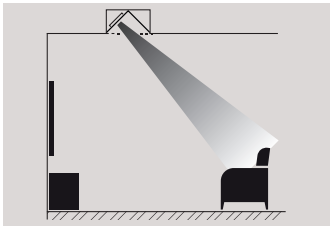
- **QUICK INSTALLATION :**

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

PC 664 P



magnetic square metal grille



Sound Pointing

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.

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.

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.

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 / 6.5 in
CROSSOVER FREQUENCY - PARACROSS TOPOLOGY™	450 - 3.000 Hz
FREQUENCY RESPONSE	50 - 25,000 Hz (rear hopen) | 80 - 25.000 Hz (rear sealed)
SENSITIVITY (2.83 Vrms @ 1m)	92 dBSPL
NOMINAL IMPEDANCE	4 Ω
SUGGESTED AMPLIFIER POWER OUTPUT (*)	40 – 200 Wrms without clipping
FRAME OUTER	411 x 411 mm / 16.1 x 16.1 in
CUT OUT	388 x 388 mm / 15.3 x 15.3 in
DEPTH BEHIND SURFACE	194 mm / 7.6 in
PROTRUSION	10 mm / 0.40 in
NET WEIGHT	16.2 Kg / 35.7 lb
• INCLUDED IN THE BOX	Bezel-Free square magnetic grille

(*) See instruction's manual for more information

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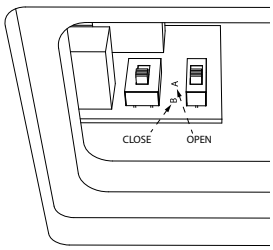
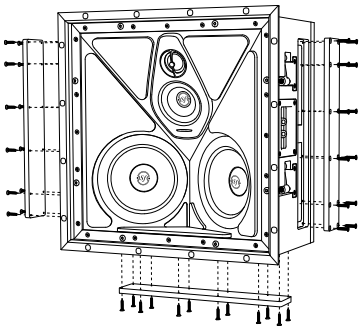
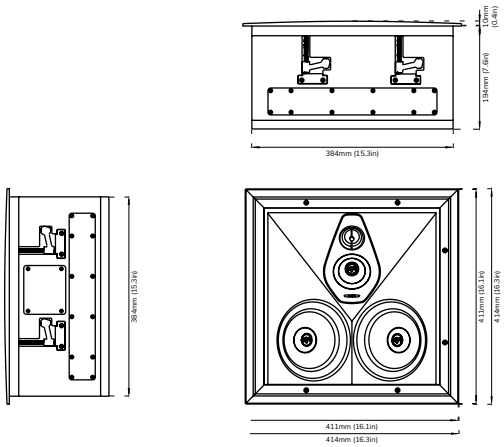
SPEAKER CLOSED / OPEN SWITCH

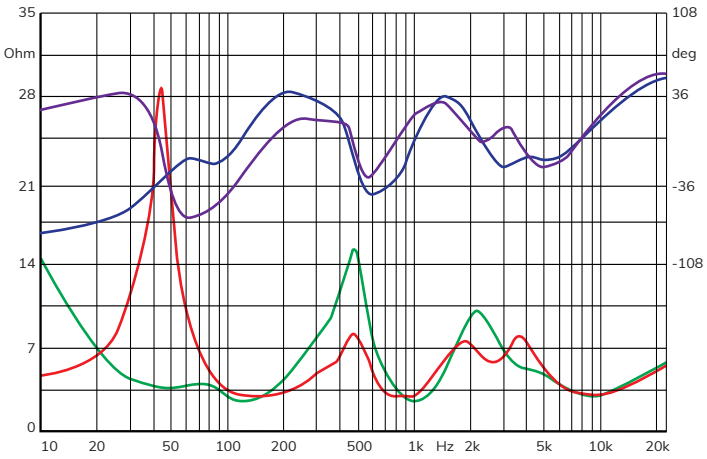
Whenever the “open” speaker is to be introduced into the wall in order to make use of the load offered by the structure of said wall - in order to maximise the extension of the low frequencies- the lateral caps must be removed from the speaker and the switch positioned in the “A” position (open).



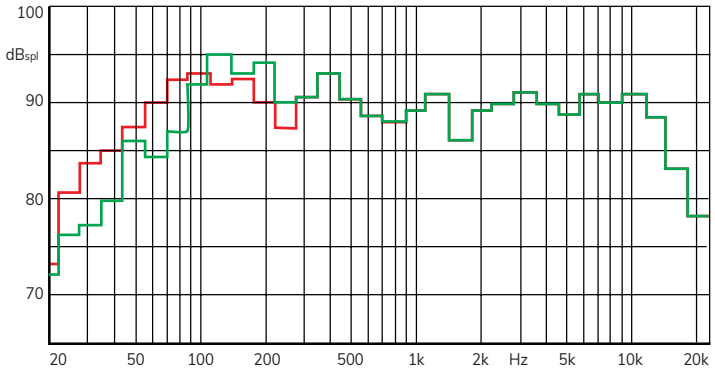




IMPEDANCE [MODULE AND PHASE]
• • REAR CLOSED + FILTER



THIRD OCTAVE AXIAL RESPONSE @1m
--- 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)	0.9	1.2	1.6	2.5	3.6	4.9	6.4
W PEAK	1.8	2.4	3.2	5.0	7.2	9.8	12.8

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

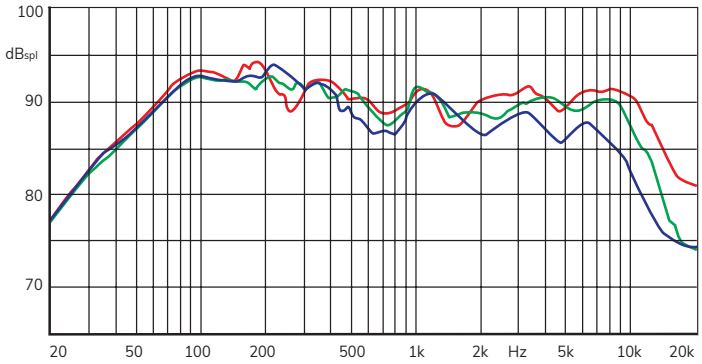
	LISTENING DISTANCE [m]						
	1.50	1.75	2.00	2.50	3.00	3.50	4.00
W CONTINUOUS (RMS)	7	10	13	20	30	40	50
W PEAK	30	40	50	80	120	160	200

* [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°