

MAIN FEATURES

- FAMILY FEELING :**
 The PL-563 directly refers to the Sonetto Collection for the choice of materials, the electroacoustic project and design.
 Tweeter and mid-woofers are enriched with satin aluminum trims.
- MULTIPLE POSITIONS :**
 The LCR model PL-563 is designed to cover multiple roles according to different needs, front / side / surround channel if used in vertical position or center channel if mounted horizontally.
 The tweeter ring can be oriented according to the needs.
- MAGNETIC GRILLES :**
 The PL-563 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



MAGNETIC SQUARE METAL GRILLE



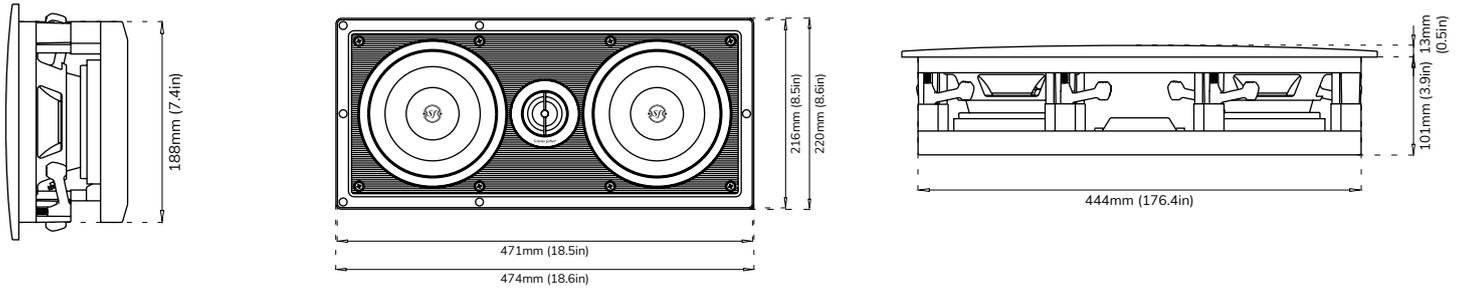
TWEETER :
 DAD™ (Damped Apex Dome) silk dome tweeter.

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

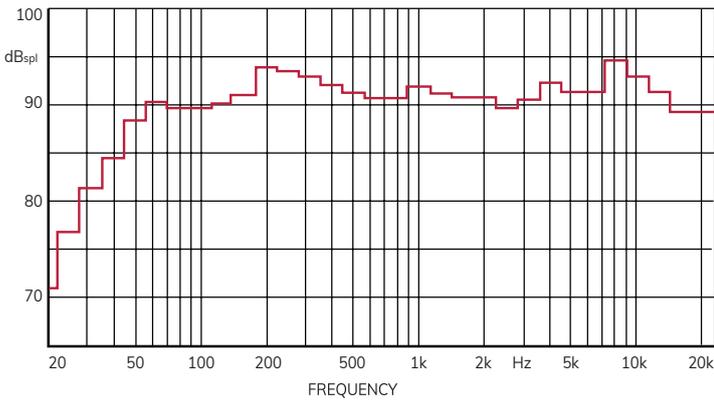
PARACROSS TOPOLOGY™
 The anti-resonant design of the x-over network features the Paracross Topology™ circuitry, to guarantee a better definition and purity of sound.

LOUDSPEAKER SYSTEM	Two-way left/right/center In-wall system. Infinite baffle
TWEETER - DAD™ DRIVER	29 mm / 1.1 in
MIDWOOFER	2 x 165 mm / 2 x 6.5 in
CROSSOVER FREQUENCY - PARACROSS TOPOLOGY™	1,650 Hz
FREQUENCY RESPONSE	50 - 25,000 Hz
SENSITIVITY (2.83 Vrms @ 1m)	92 dB _{SPL}
NOMINAL IMPEDANCE	4 Ω
COVERAGE ANGLE (1 kHz, @-6 dB)	± 45° H - ± 60° V
SUGGESTED AMPLIFIER POWER OUTPUT (*)	40 – 250W without clipping
FRAME OUTER	471 x 216 mm / 18.5 x 8.5 in
CUT OUT	448 x 192 mm / 17.6 x 7.6 in
DEPTH BEHIND SURFACE	101 mm / 3.4 in
PROTRUSION	13 mm / 0.51 in
NET WEIGHT	6.3 Kg / 13.9 lb
<ul style="list-style-type: none"> INCLUDED IN THE BOX 	Bezel-Free square magnetic grille

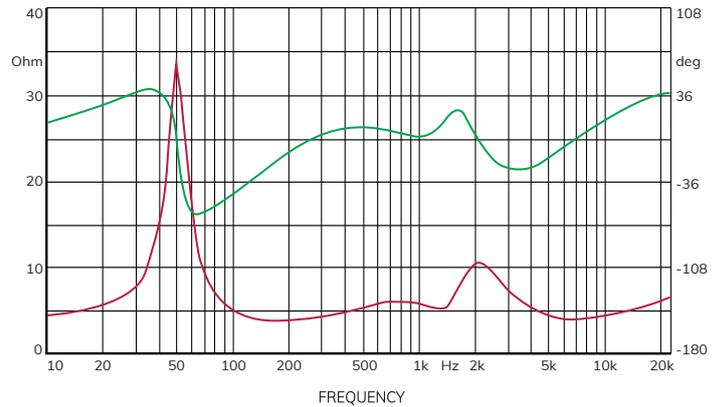
(*) See instruction's manual for more information



THIRD OCTAVE AXIAL RESPONSE @1m



IMPEDANCE [MODULE AND PHASE]



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]

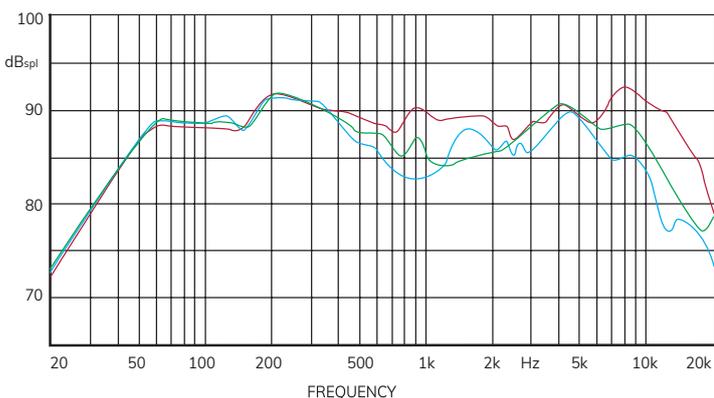
	LISTENING DISTANCE [m]						
	1.50	1.75	2.00	2.50	3.00	3.50	4.00
W CONTINUOUS (RMS)	7	10	13	20	30	40	50
W PEAK	30	40	50	80	120	160	200

* [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°

