

## 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.

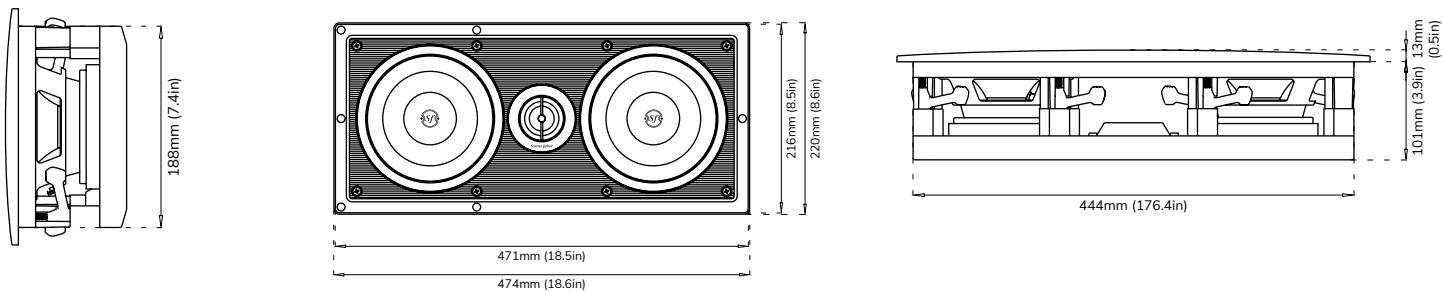
#### MID-WOOFER :

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

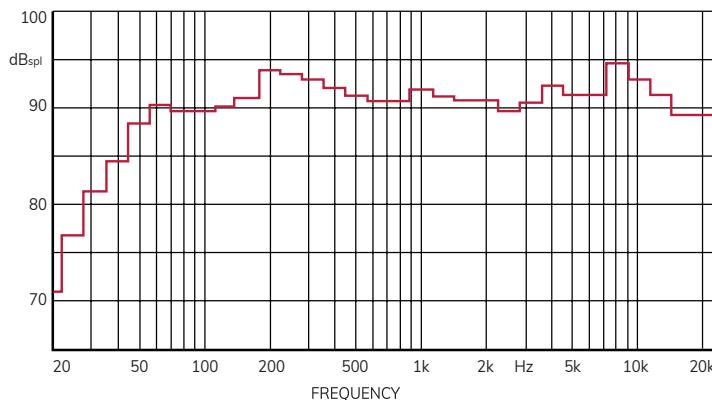
#### PARACROSS TOPOLOGY™

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

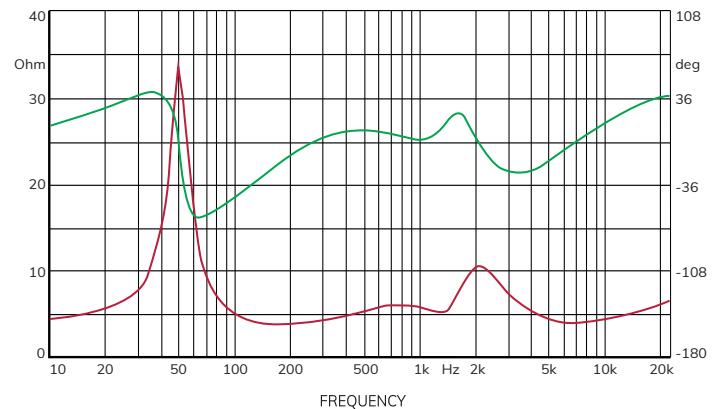
LOUDSPEAKER SYSTEM	Two-way left/right/center in-wall system. Infinite baffle
TWEETER - DAD™ DRIVER	29 mm / 1.1 in
MIDWOOFER	2 x 165 mm / 2 x 6.5 in
CROSSOVER FREQUENCY - PARACROSS TOPOLOGY™	1,650 Hz
FREQUENCY RESPONSE	50 - 25,000 Hz
SENSITIVITY (2.83 Vrms @ 1m)	92 dB SPL
NOMINAL IMPEDANCE	4 Ω
COVERAGE ANGLE (1 kHz, @-6 dB)	± 45° H - ± 60° V
SUGGESTED AMPLIFIER POWER OUTPUT	40 - 250W without clipping
LONG-TERM MAX INPUT VOLTAGE (IEC 60268-5)	20 Vrms
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
• INCLUDED IN THE BOX	Bezel-Free square magnetic grille
• ADDITIONAL FITTINGS	Pre-mount kit



## THIRD OCTAVE AXIAL RESPONSE @1m



## IMPEDANCE [ MODULE AND PHASE ]



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

W CONTINUOUS (RMS)	LISTENING DISTANCE [m]						
	1.50	1.75	2.00	2.50	3.00	3.50	4.00
	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

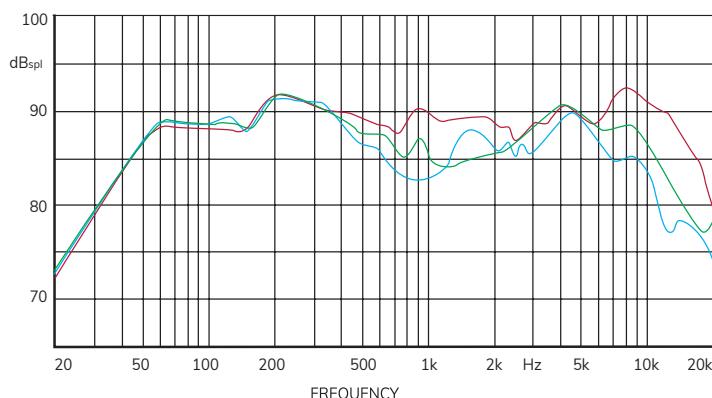
W CONTINUOUS (RMS)	LISTENING DISTANCE [m]						
	1.50	1.75	2.00	2.50	3.00	3.50	4.00
	7	10	13	20	30	40	50
W PEAK	30	40	50	80	120	160	200

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

