

## Passive Sound Reinforcement

### MAIN APPLICATIONS

- Bars
- Pubs
- Restaurants
- Retail shops
- Clubs
- Entertainment venues
- Fitness centres
- Conference rooms
- Theatres
- Houses of worship
- Exhibition centres

### MAIN FEATURES

- 2-way passive sound reinforcement system
- 0.47" baltic birch plywood cabinet
- 1 x 8" custom made LF woofer with rubber surround
- 1 x 1.5" HF dome tweeter
- 175W continuous pink noise
- 350W continuous program
- 700W peak
- Optional line transformer (100V / 100W)
- Multiple M5 threaded rigging points
- Crossover networks equipped with 4 x Euroblock speaker terminals
- Choice of different RAL paint colours
- Choice of different paint finish
- Completely manufactured in Italy



### DESCRIPTION

The loudspeaker shall consist of a 8" low frequency transducer, 1.5" HF dome tweeter; the low frequency driver's voice coil shall be 1.5" in diameter. Performance specifications of a typical unit shall be as follows: usable frequency response shall extend from 55Hz to 22kHz; nominal impedance shall be 8 ohms; the frequency dividing network shall have a crossover frequency of 2 kHz; measured sensitivity shall be at least 92.5dB ( at 1m [3.3ft] ). The input shall be switchable for use either at nominal 8 ohms or on a 100V distributed speaker line via transformer (optional). The cabinet shall be constructed of 0.47" Baltic birch plywood covered in a scratch & scuff resistant black or white finish. ARCHON speakers shall be installed in suspension by wall bracket, on tripod stand, with adjustable wall support and simple stack installation.

### TECHNICAL SPECIFICATIONS

#### GENERAL

Configuration	way	2
Low frequency woofer	inch	8 - 1.5 coil
High frequency driver	inch	1.5 - 1.5 coil

#### ACOUSTIC SPEC.

Frequency response	(@ -6dB)	55 Hz - 22kHz
SPL max. (cont / peak) (bi-amp)*	dB	118 / 121
Dispersion	H x V	90°
Sensitivity	(@1W,1m)	92.5dB
Crossover Frequency		2kHz
Recommended HP Filter		40Hz - 24dB oct.

\* CONT. SPL: free space, based on recommended amp rating and LF transducer average sensitivity data, 125mS time average  
PEAK SPL: free space, based on short term applicable power rating and system peak sensitivity, 10mS time average

#### INPUTS / OUTPUTS

Connectors		Euroblock 4 pin
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#### AMPLIFIER

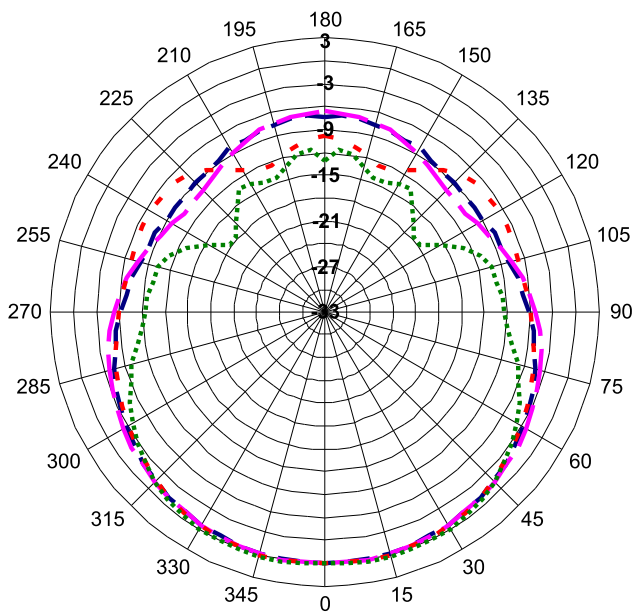
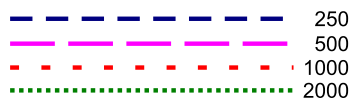
Recommended amplifier	W RMS	350
Transformer (optional)	V / W	100V / 100W
Long term power	W	175
Short term power IEC 268-5	W	700
Nominal impedance	Ohm	8

#### MECHANICAL SPEC.

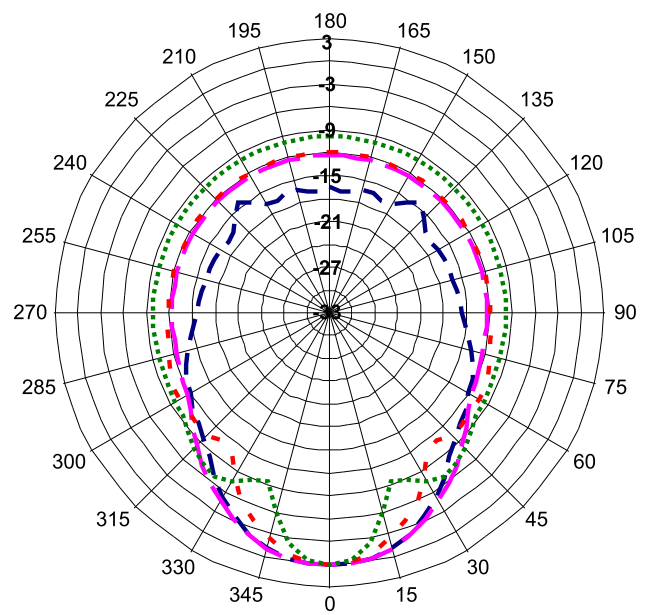
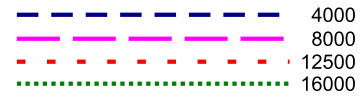
Material		0.47" baltic plywood
Grille		Steel with powder coat black or white paint finish
Net size ( WxHxD )	inch	9.76 x 16.18 x 9.76
Net weight	Lbs	14.3

## DIAGRAMS

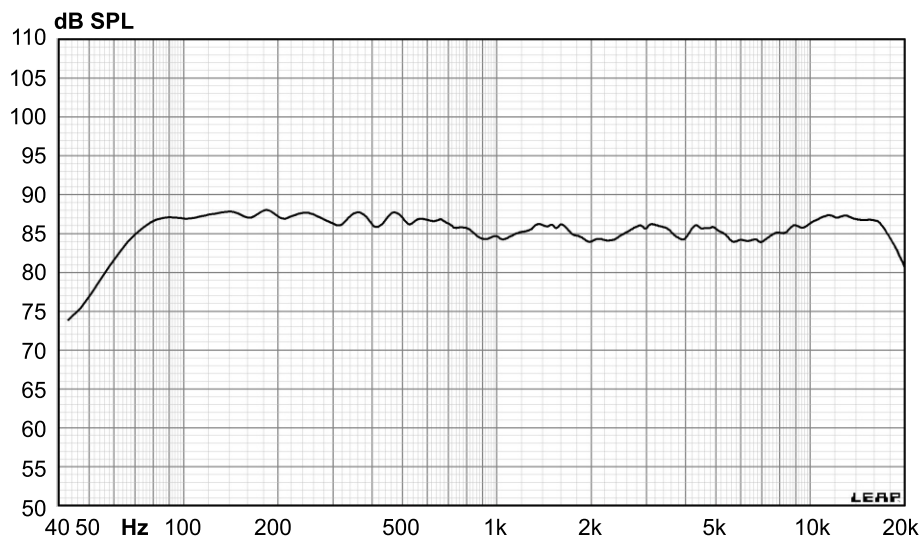
Horizontal polar diagrams



Horizontal polar diagrams

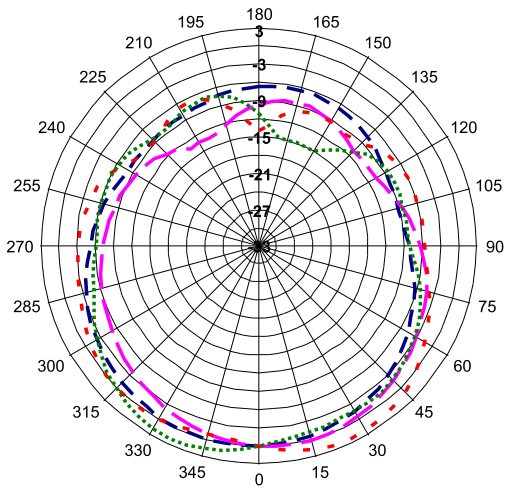


## FREQUENCY RESPONSE

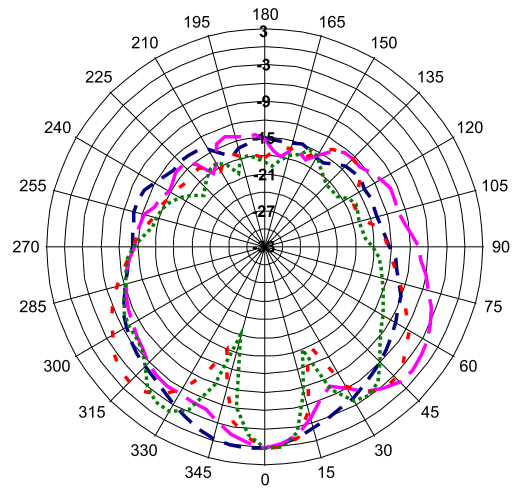


## DIAGRAMS

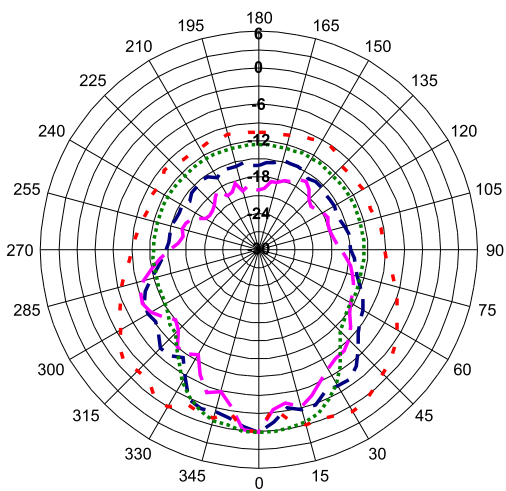
axis normalized vertical polar diagrams



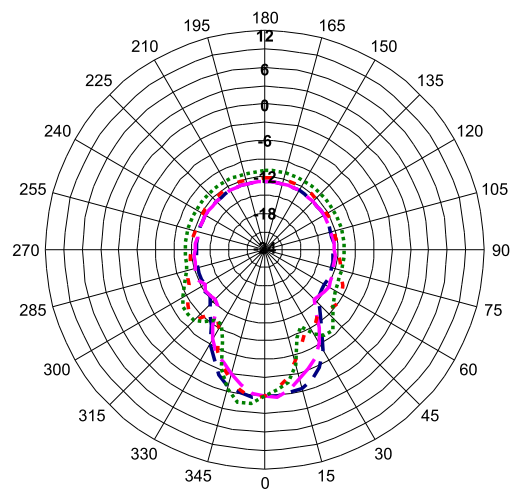
axis normalized vertical polar diagrams



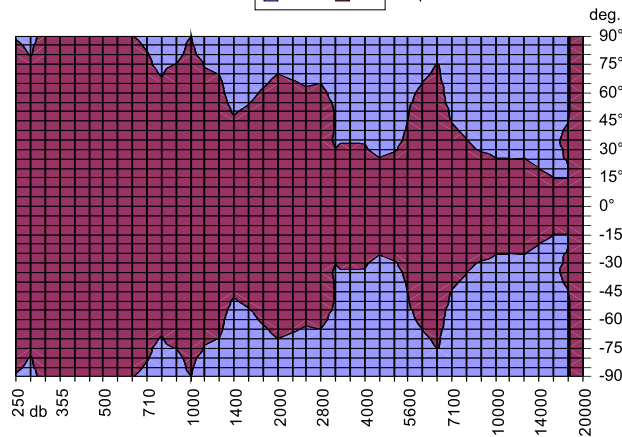
axis normalized vertical polar diagrams



axis normalized vertical polar diagrams

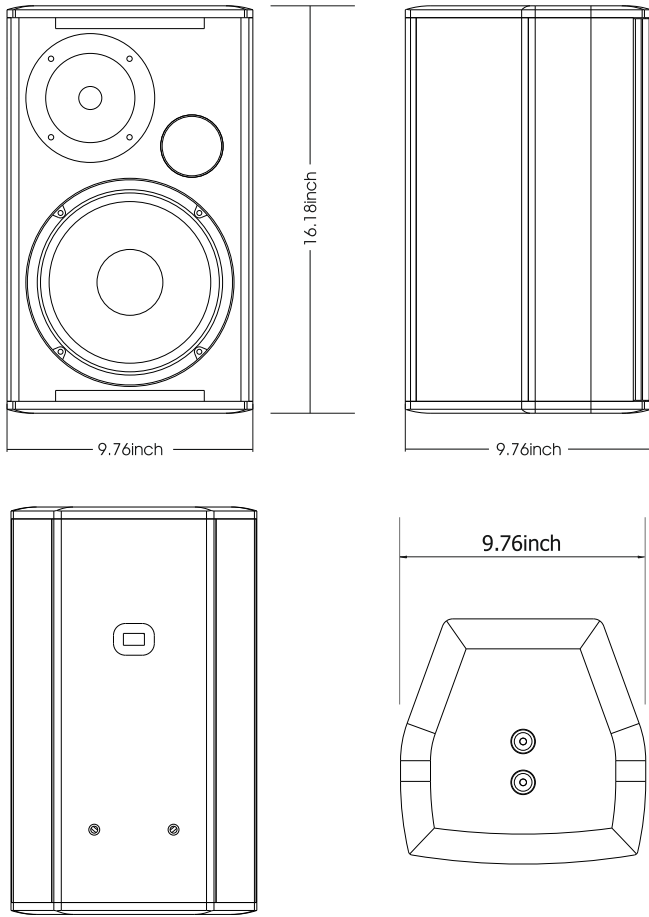


Horizontal coverage



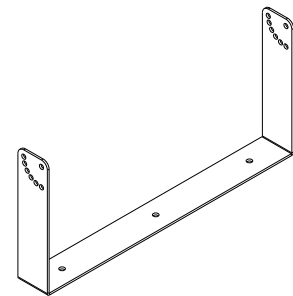
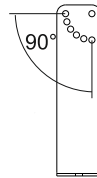
## DIMENSIONAL DRAWING

## POWER SELECTION



<b>ARCHON 108</b>	COM	HI	100W
	COM	LO	50W

## ACCESSORIES



### AC-W568

