

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 6.5" custom made LF woofer with rubber surround
- 1 x 1" HF dome tweeter
- 150W continuous pink noise
- 300W continuous program
- 600W 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 6.5" low frequency transducer 1" 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 60Hz to 22kHz; nominal impedance shall be 8 ohms; the frequency dividing network shall have a crossover frequency of 2.5 kHz; measured sensitivity shall be at least 91dB (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	6.5 - 1.5 coil
High frequency driver	inch	1 - 1 coil

ACOUSTIC SPEC.

Frequency response	(@ -6dB)	60 Hz - 22kHz
SPL max. (cont / peak) (bi-amp)*	dB	116 / 119
Dispersion	H x V	100°
Sensitivity	(@1W,1m)	91dB
Crossover Frequency		2.5kHz
Recommended HP Filter		45Hz - 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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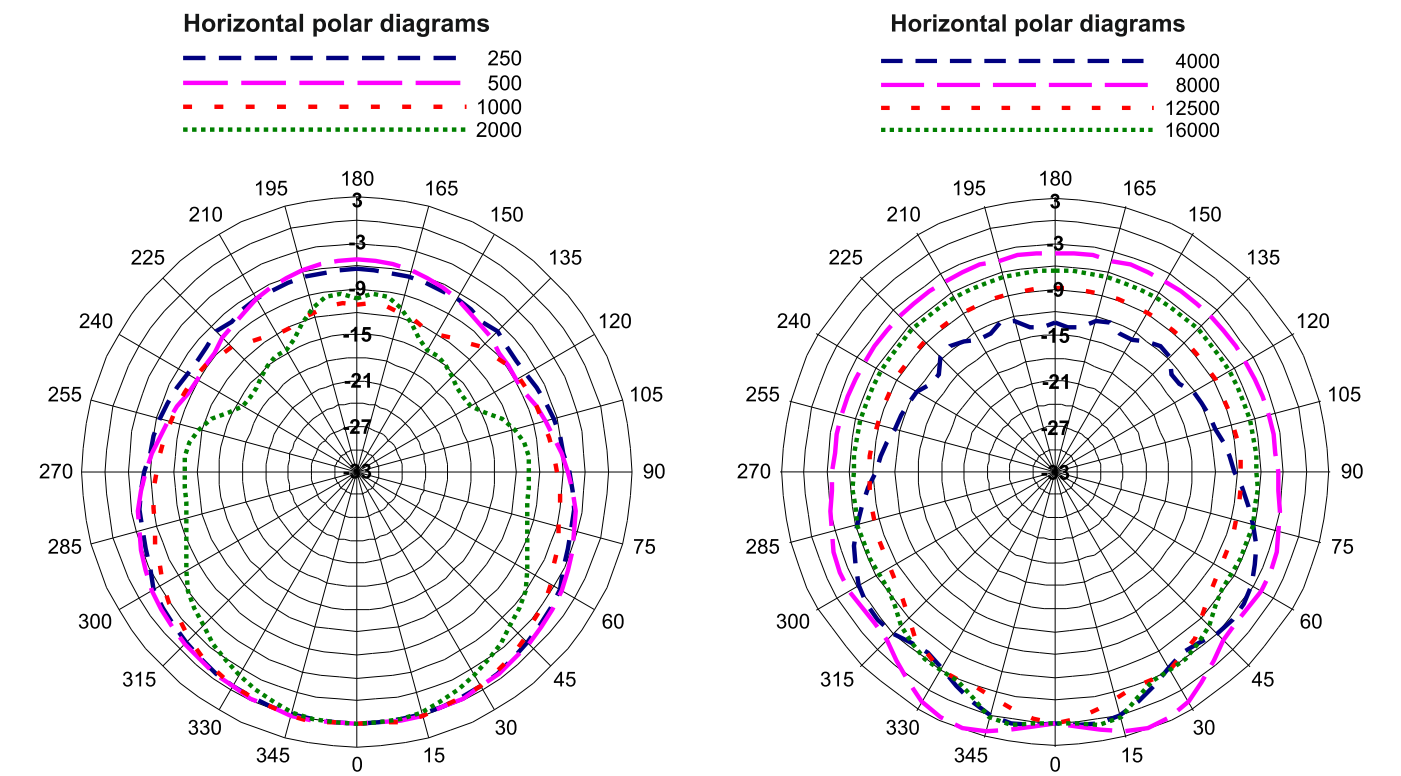
AMPLIFIER

Recommended amplifier	W RMS	300
Transformer (optional)	V / W	100V / 100W
Long term power	W	150
Short term power IEC 268-5	W	600
Nominal impedance	Ohm	8

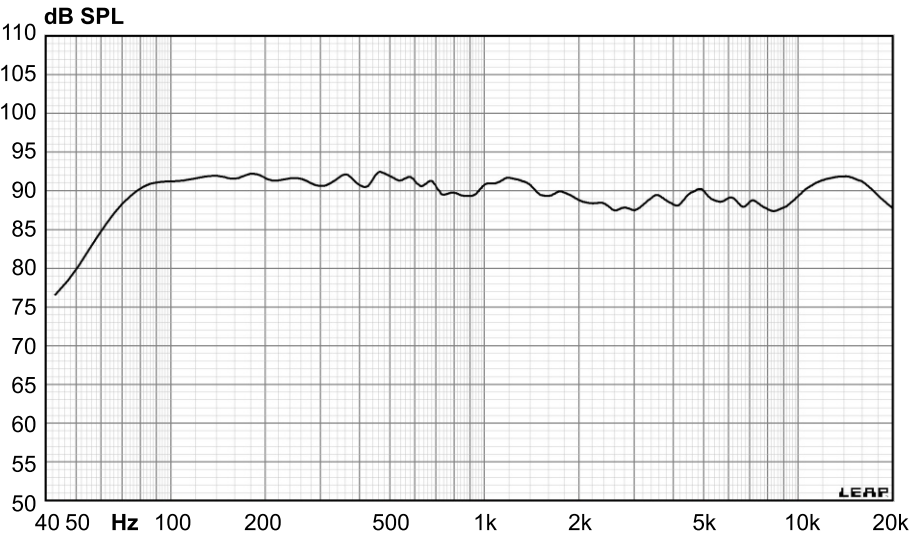
MECHANICAL SPEC.

Material		0.47" baltic plywood
Grille		Steel with powder coat black or white paint finish
Net size (WxHxD)	inch	8.50 x 14.17 x 8.50
Net weight	Lbs	12.1

DIAGRAMS

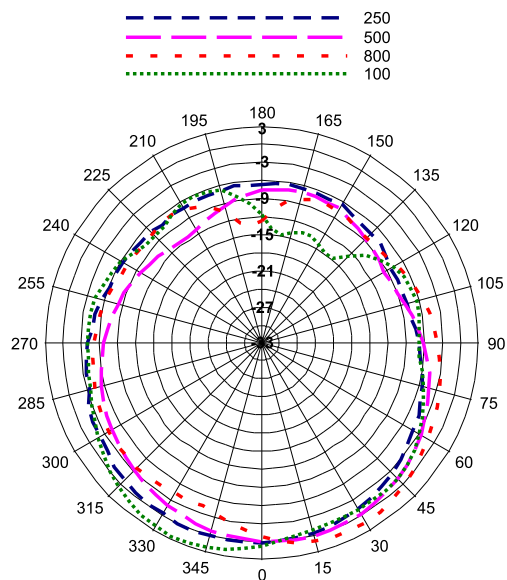


FREQUENCY RESPONSE

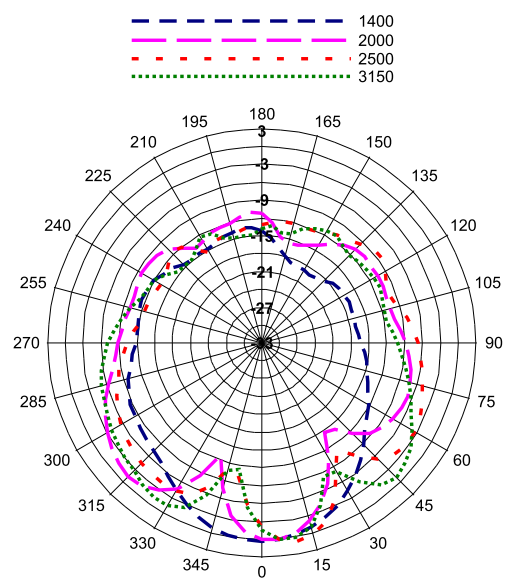


DIAGRAMS

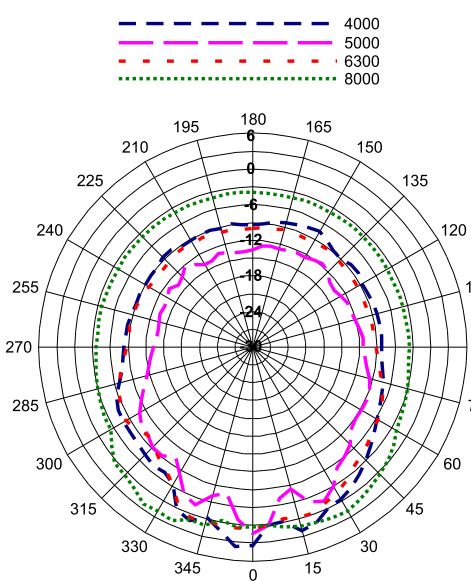
axis normalized vertical polar diagrams



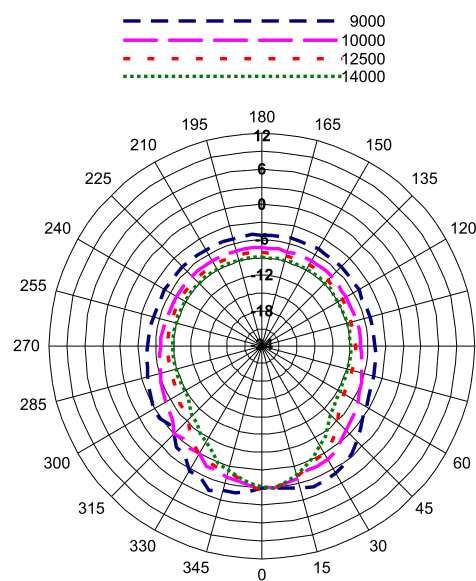
axis normalized vertical polar diagrams



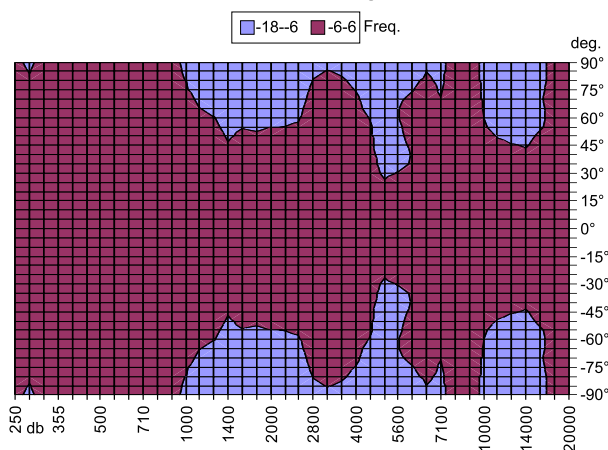
axis normalized vertical polar diagrams



axis normalized vertical polar diagrams

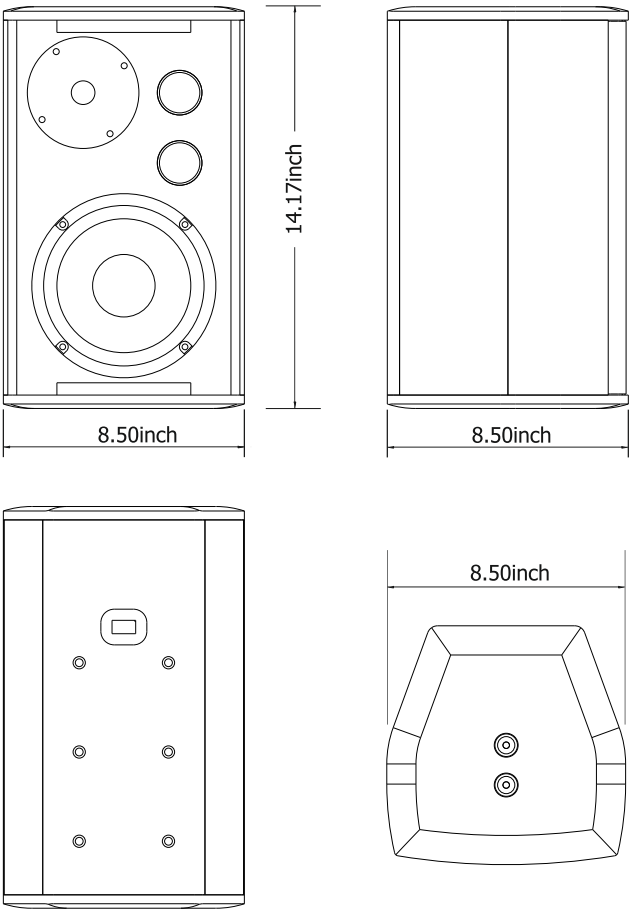


Horizontal coverage



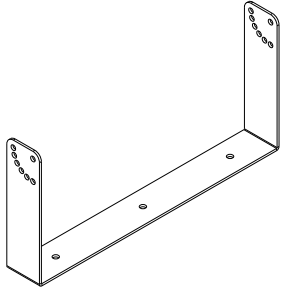
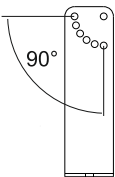
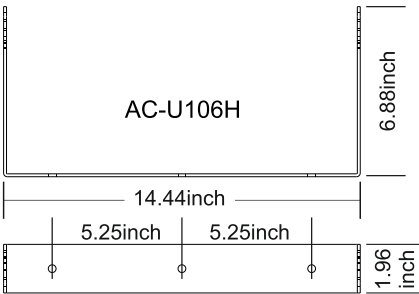
DIMENSIONAL DRAWING

POWER SELECTION



ARCHON 106	COM	HI	100W
	COM	LO	50W

ACCESSORIES



AC-W568

