

ARCHON 106

Permanent installation speaker system

APPLICATIONS

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

KEY 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



Designed, Engineered
and Manufactured in ITALY

PRODUCT 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.

ELECTRONIC SPECIFICATIONS

System Type	2 Way
Recommended Amplifier	300W RMS
System Long Term Power	150W
System Short Term Power (IEC 268-5)	600W
Transformer (optional)	100V / 100W
Nominal Impedance	8 Ohm
Frequency Response	60Hz - 22kHz (@-6dB)
Sensitivity	91dB (@1W, 1m)
Max SPL (cont/peak) (bi-amp)*	116dB / 119dB
Dispersion	100°
Crossover Frequency	2.5kHz
Recommended HP Filter	45Hz - 24dB oct.

PHYSICAL SPECIFICATIONS

Low Frequency Woofer	6.5" / 1.5" coil
High Frequency Driver	1" / 1" coil
Input Connectors	Euroblock (4 pin)
Net Dimensions (WxHxD) inch	8.50 x 14.17 x 8.50
Shipping Dimensions (WxHxD) inch	11.81 x 17.32 x 11.81
Net Weight	12.1 lbs
Shipping Weight	16.5 lbs
Enclosure Material	0.47" baltic plywood
Grille	Steel with powder coat black or white paint finish

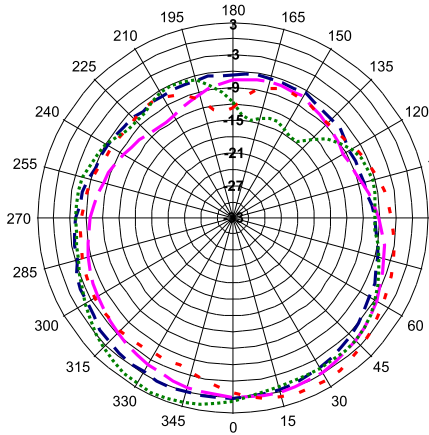
* CONT. SPL: free space, based on recommended amp rating and LF transducer average sensitivity data, 125mS time average
PEAK SPL: free space, based on short term applicable power rating and system peak sensitivity, 10mS time average

ARCHON 106
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DIAGRAMS

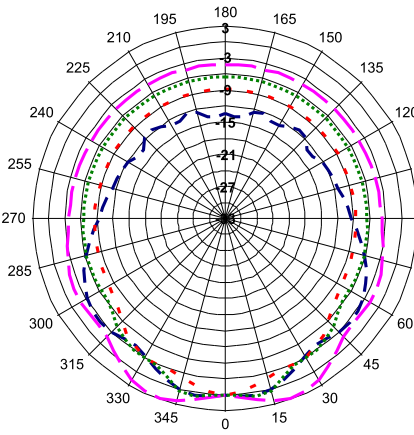
axis normalized vertical polar diagrams

- 250
- 500
- 800
- 100



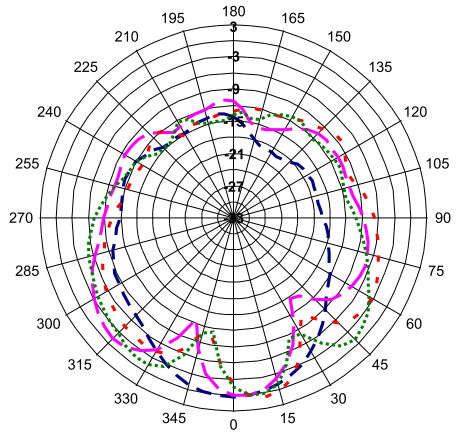
Horizontal polar diagrams

- 4000
- 8000
- 12500
- 16000



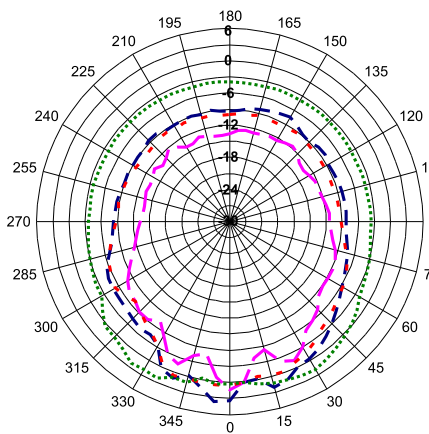
axis normalized vertical polar diagrams

- 1400
- 2000
- 2500
- 3150



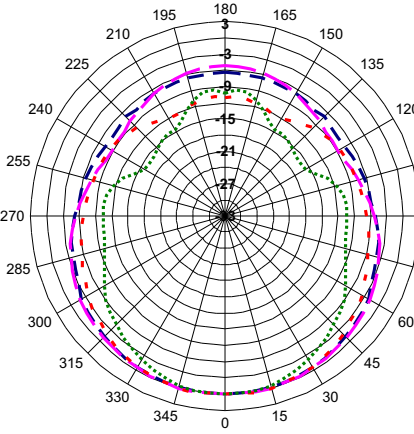
axis normalized vertical polar diagrams

- 4000
- 5000
- 6300
- 8000



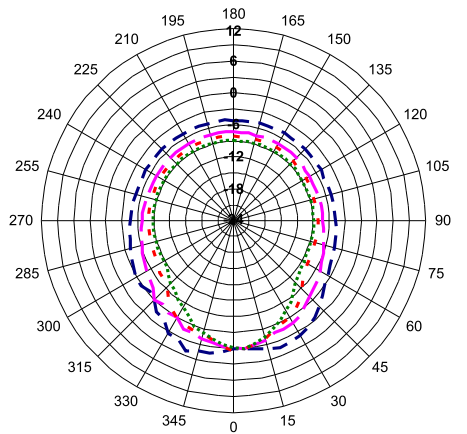
Horizontal polar diagrams

- 250
- 500
- 1000
- 2000

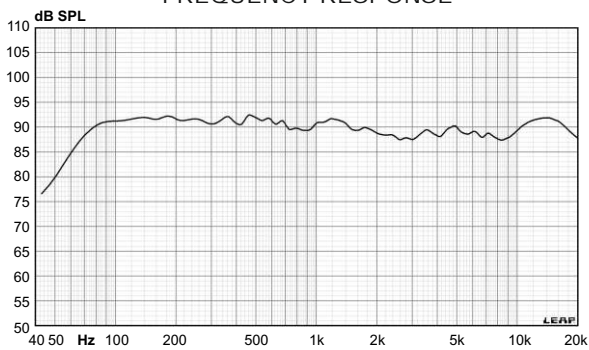


axis normalized vertical polar diagrams

- 9000
- 10000
- 12500
- 14000

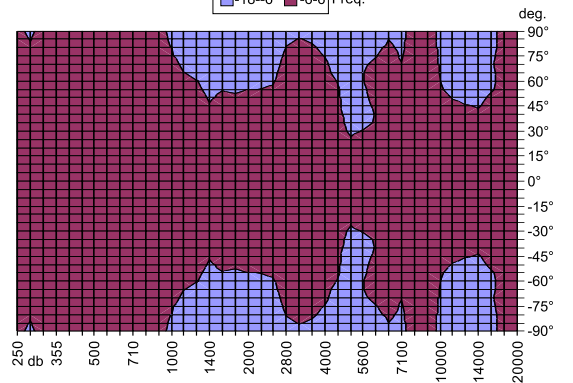


FREQUENCY RESPONSE



Horizontal coverage

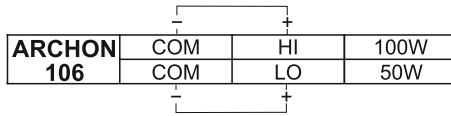
- -18-6
- -6-6



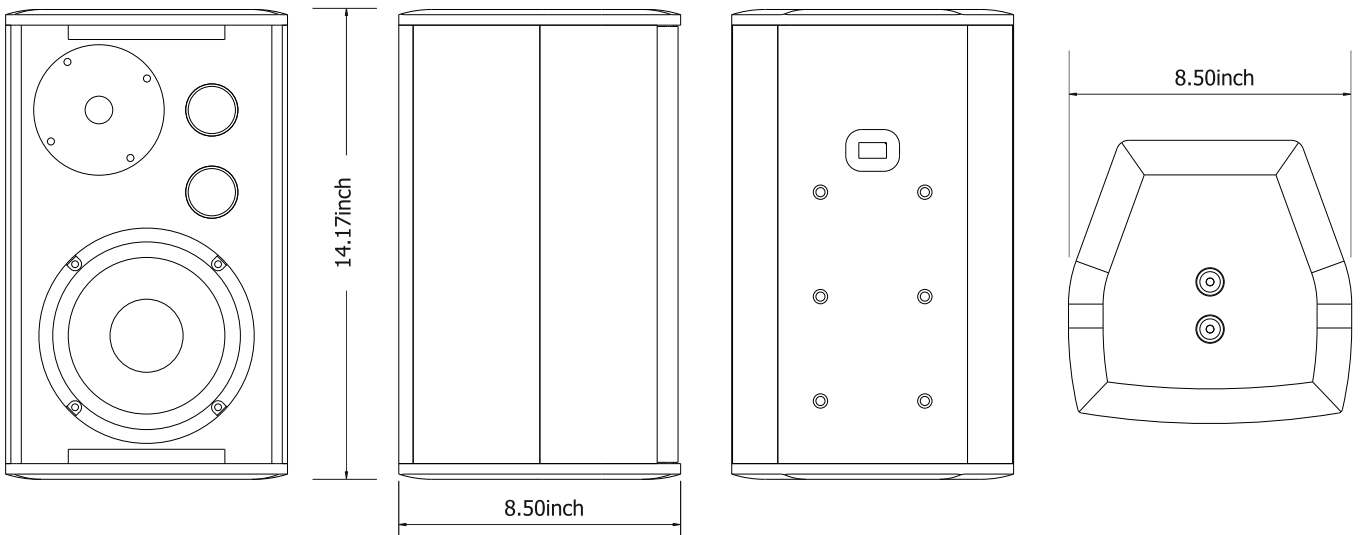
ARCHON 106

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POWER SELECTION



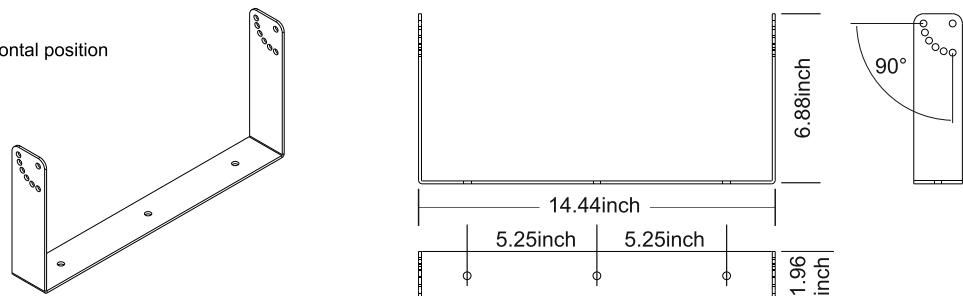
DIMENSIONAL DRAWINGS



ACCESSORIES

AC-U106H

Wall metal bracket to mount in horizontal position



AC-W568

Directional wall metal bracket

AC-W568W (white)
Directional wall metal bracket

