

OHC System Series



Zingali Acoustics

Office & Factory: www.zingaliacoustics.com - E-mail: info@zingaliacoustics.com
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OHC system selection guide

Nowhere are the sonic demands of movie soundtracks realized more than in the need for power. Moments of near silence or subtle dialogue quickly give way to explosive special effects and dynamic musical scores placing large instantaneous demands for power on the amplifiers.

Delivering this content to the listener’s seating position at the proper level, and with the dynamic scale of the signal intact is no easy task.

As in commercial theater installations, OHC employs high-powered amplification to each speaker in the system. These high power levels, coupled with high loudspeaker sensitivity, allow the system to reproduce “reference level” at the sitting position while providing ample headroom for big dynamics or more aggressive sound pressure levels with music or concert videos. This is in sharp contrast to traditional home audio products where speaker systems have relatively low sensitivity and modest power levels are applied.

To understand the benefit of the OHC approach, let’s look at movie industry standards. The film industry mixes movie soundtracks to an industry “standard”, or “Reference Level”, of 85dB average playback level at a mid-theater seating position, with dynamic peaks of 105dB. This means that we can experience the movie soundtrack exactly as the director intended, with dynamic contrast intact.

From the outset, Zingali has adopted a “systems approach” to engineering, designing speakers, DSP and amplifiers to work in concert, creating a single coherent sound system. It is in our dedication to this principle that we differ greatly from the many “home theater” offerings on the market. Each OHC speaker model is consistent in design philosophy and application of technology. In addition, all models employ direct radiating horn loaded compression driver technology. Furthermore, each product represents countless hours of engineering, fine tuning, and critical voicing to create a system, rather than a random collection of unmatched speakers, subwoofers, and amplifiers illequipped for the task at hand.

The following diagram helps in selecting the right system vs. listening distance/room size, to achieve the full 105 dB dynamics needed to recreate a full cinema experience

Listening distance in Mt	OHC S	OHC M	OHC L
2	Matches	Matches	Matches
3	Matches	Matches	Matches
4	Matches	Matches	Matches
5	Not suggested	Matches	Matches
6	Not suggested	Matches	Matches
7	Not suggested	Not suggested	Matches
8	Not suggested	Not suggested	Matches
9	Not suggested	Not suggested	Matches
10	Not suggested	Not suggested	Matches

Matches 105dB cinema level		Not suggested
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Zingali Acoustics



OHC 210

Front LR / Center

System type: Bass Reflex

Components: Compression Driver: 1" - Coil 44 mm

Woofers: 2 x 10" Coil 76 mm

Horn: Omnidirectional GZ 10"

Power RMS: 1000 W (AES)

Nominal impedance: 6 Ω

Frequency response: 50 Hz - 20 kHz

Crossover frequency: 1000 Hz 12 dB/Oct

Sensitivity: 98 dB (1W/1m) 128 dB SPL

Dispersion: 90° H - 60° V (-6 dB)

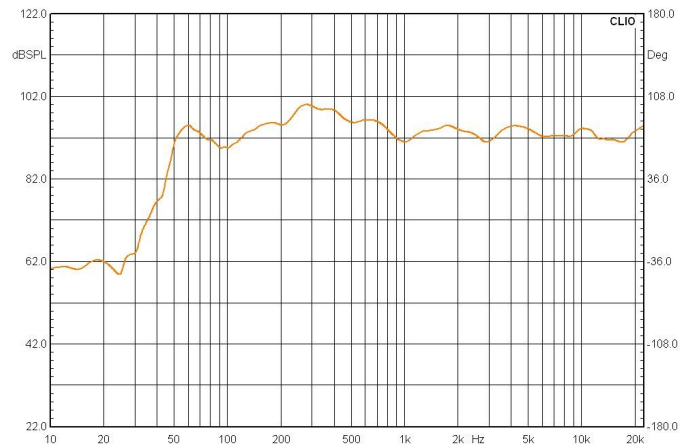
Dimensioni mm (H x W x D) 500 x 750 x 350

Cabinet: mdf 19 mm

mdf 30 mm

Finish: Matte black standard o RAL Color by requested

Net Weight: 30



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OHC 208

Front LR / Center

System type: Bass Reflex

Components: Compression Driver: 1" - Coil 44 mm

Woofers: 2 x 8" Coil 65 mm

Horn: Omnidirectional 8"

Power RMS: 500 W (AES)

Nominal impedance: 6 Ω

Frequency response: 70 Hz - 20 kHz

Crossover frequency: 1200 Hz 12 dB/Oct

Sensitivity: 94 dB (1W/1m) 124 dB SPL

Dispersion: 90° H - 60° V (-6 dB)

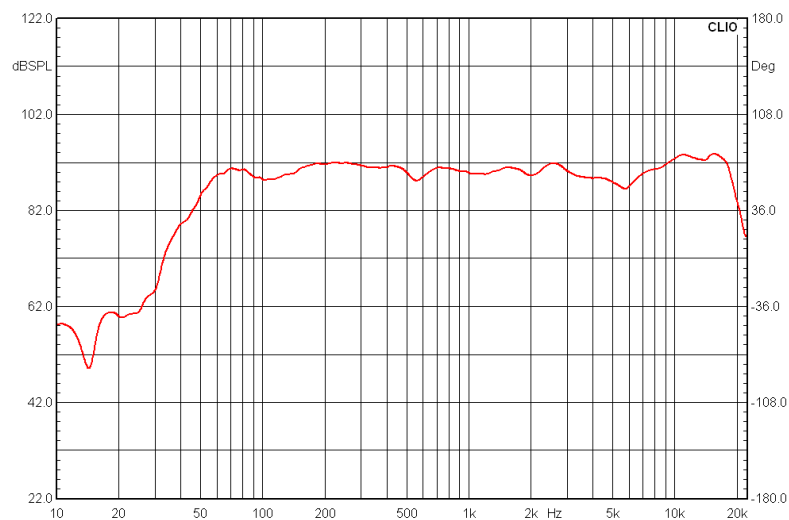
Dimensions mm (H x W x D) 400 x 600 x 300

Cabinet: mdf 19 mm

mdf 30 mm

Finish: Matte black standard or RAL Color by request

Net Weight: 20



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OHC 206

Front LR / Center

System type: Bass Reflex

Components: Compression Driver: 1" - Coil 44 mm

Woofer: 2 x 6" Coil 50 mm

Horn: Omnidirectional GZ 6"

Power RMS: 400 W (AES)

Nominal impedance: 6 Ω

Frequency response: 80 Hz - 20 kHz

Crossover frequency: 1500 Hz 12 dB/Oct

Sensitivity: 92 dB (1W/1mt) 121 dB SPL

Dispersion: 90° H - 60° V (-6 dB)

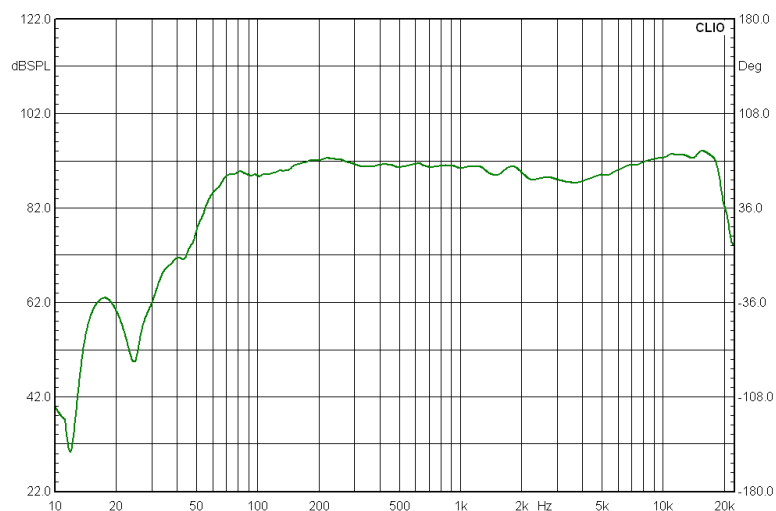
Dimensioni mm (H x W x D) 350 x 500 x 250

Cabinet: mdf 16 mm

mdf 30 mm

Finish: Matte black standard o RAL Color by requested

Net Weight: 15



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OHC 206S Surround

System type: Bass Reflex

Components: Compression Driver: 1" - Coil 25 mm

Woofers: 2 x 6" Coil 39 mm

Horn: Omnidirectional GZ 5"

Power RMS: 200 W (AES)

Nominal impedance: 6 Ω

Frequency response: 80 Hz - 18 kHz

Crossover frequency: 1800 Hz 12 dB/Oct

Sensitivity: 92 dB (1W/1m) 109 dB SPL

Dispersion: 90° H - 90° V (-6 dB)

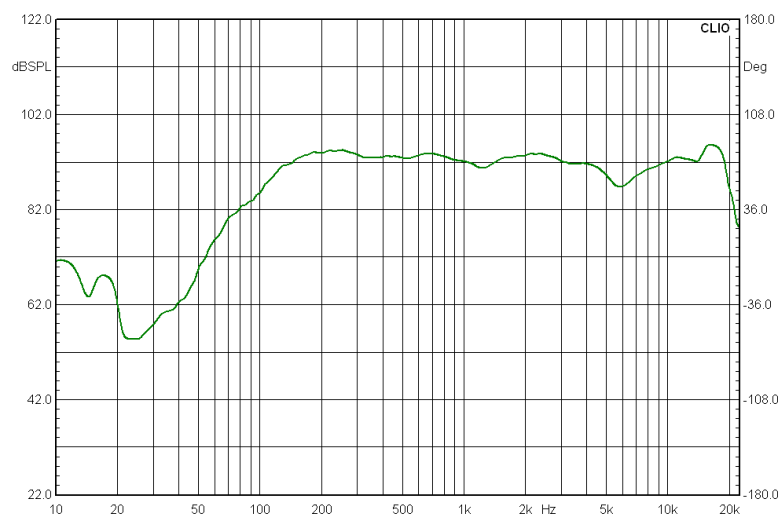
Dimensions mm (H x W x D) 320 x 500 x 125

Cabinet: mdf 16 mm

mdf 22 mm

Finish: Matte black standard or RAL Color by request

Net Weight: 10



Zingali Acoustics



OHC 106S Surround

System type: Bass Reflex

Components: Compression Driver: 1" - Coil 25 mm

Woofer: 1 x 6" Coil 39 mm

Horn: Omniray GZ 5"

Power RMS: 100 W (AES)

Nominal impedance: 6 Ω

Frequency response: 80 Hz – 18 kHz

Crossover frequency: 1800 Hz 12 dB/Oct

Sensitivity: 92 dB (1W/1mt) 106 dB SPL

Dispersion: 90° H - 90° V (-6 dB)

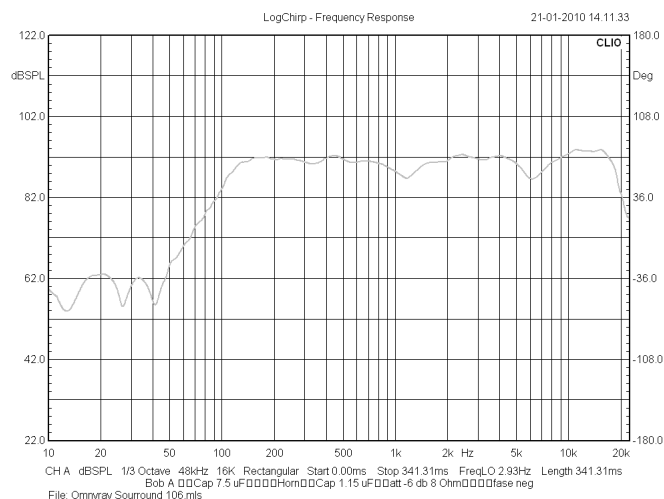
Dimensioni mm (H x W x D) 400 x 300 x 125

Cabinet: mdf 16 mm

mdf 22 mm

Finish: Matte black standard o RAL Color by requested

Net Weight: 8



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OHC 18SW Sub Passive

System type: Bass Reflex

Components: Woofer: 1 x 18" – Coil 100 mm.

Power RMS: 1200 W (AES)

Nominal impedance: 8 Ω

Frequency response: 28 Hz – 160 Hz

Crossover frequency: 80 Hz 12 dB/Oct

Sensitivity: 98 dB (1W/1mt) 128 dB SPL

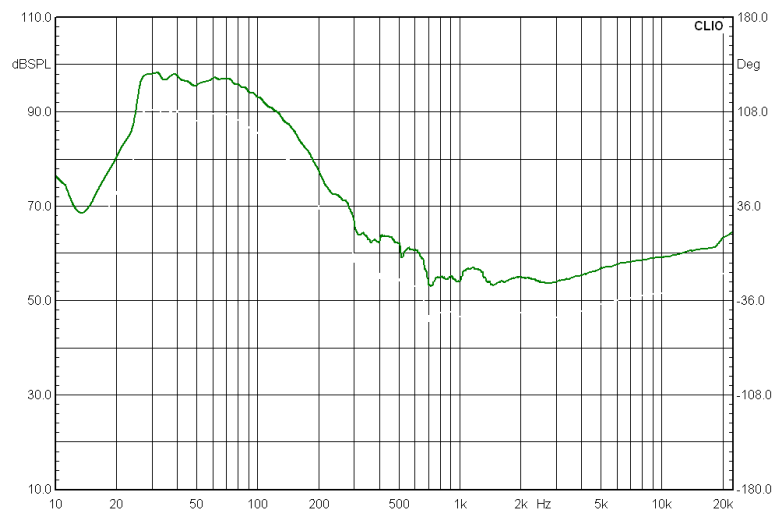
Dimensioni mm (H x W x D) 650 x 750 x 350

Cabinet: mdf 19 mm

mdf 30 mm

Finish: Matte black standard o RAL Color by requested

Net Weight: 40



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OHC 15SW Sub Passive

System type: Bass Reflex

Components: Woofer: 1 x 15" – Coil 100 mm.

Power RMS: 1000 W (AES)

Nominal impedance: 8 Ω

Frequency response: 35 Hz – 160 Hz

Crossover frequency: 80 Hz 12 dB/Oct

Sensitivity: 97 dB (1W/1mt) 125 dB SPL

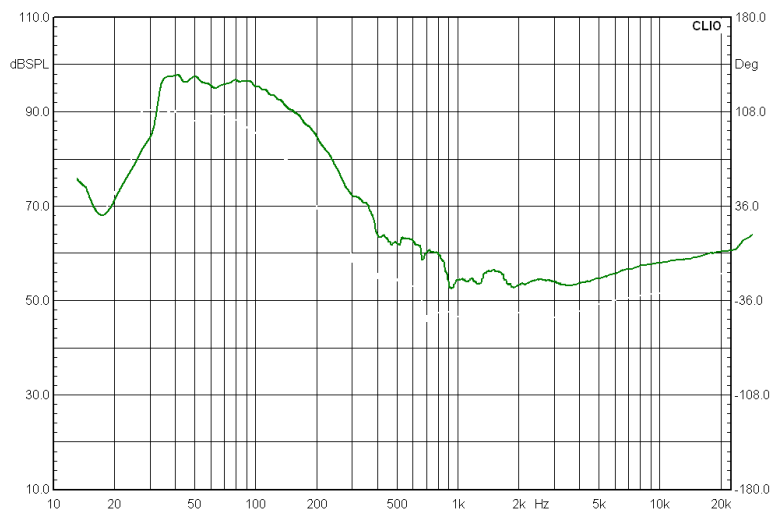
Dimensioni mm (H x W x D) 600 x 600 x 300

Cabinet: mdf 19 mm

mdf 30 mm

Finish: Matte black standard o RAL Color by requested

Net Weight: 32



Zingali Acoustics



OHC 12SW Sub Passive

System type: Bass Reflex

Components: Woofer: 1 x 12" – Coil 100 mm.

Power RMS: 700 W (AES)

Nominal impedance: 8 Ω

Frequency response: 40 Hz – 160 Hz

Crossover frequency: 80 Hz 12 dB/Oct

Sensitivity: 95 dB (1W/1mt) 122 dB SPL

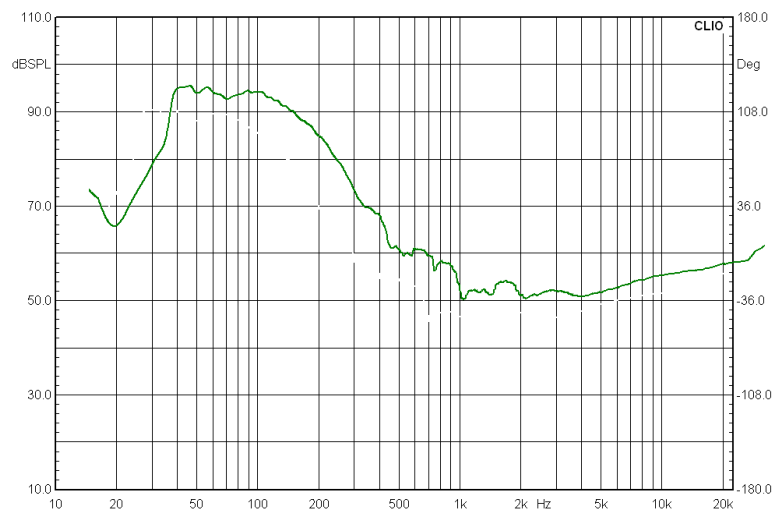
Dimensioni mm (H x W x D) 550 x 500 x 260

Cabinet: mdf 16 mm

mdf 30 mm

Finish: Matte black standard o RAL Color by requested

Net Weight: 25



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