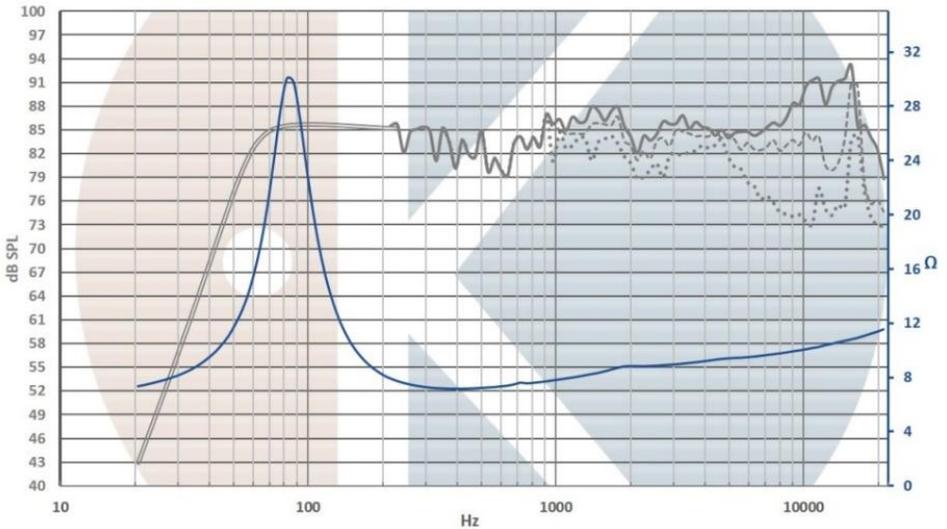


Wib90_vHP

3.5" Wide band - Limited edition



It combines the best of traditional and newest technology to provide wide response and natural sounding. Suitable for multimedia products with demanding acoustic performances. To cover 60 - 18000Hz (-3dB) in a very compact enclosure.



On IEC baffle / Distance: 1m / Signal input: 2,83V / Dash curves: 30° & 60°

Impedance measured in free air / Smoothing: 1/24 Octave

Curve below 200Hz is simulated in 3.5L vented enclosure, $F_c = 66\text{Hz}$ (enclosure suggested on last page)

Wib90_vHP

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Advanced construction

Membrane
 Treated paper cone
 Conical treated paper dust cap

Suspension
 Low lost - NBR surround
 Kapton spider

Voice coil:
 Ø20mm, CCA Wire
 Vented Aluminum former

Motor structure:
 High grade Fe magnet structure
 Demodulated by cooper ring
 Optimized and vented pole pieces

Frame
 Stamped steel frame, vented spider

T&S

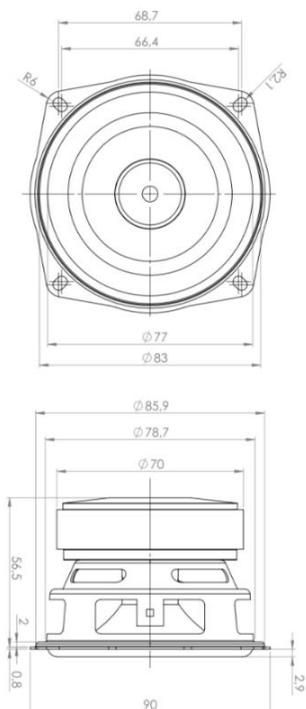
Fs 76Hz
 SPL 84.5dB/2.8V/1m
 Re 6.3Ω

Qms 2.2
 Qts 0.53
 BI 4N/A

VAS 2.1L
 Mms 3.72g
 Sd 36cm²

Linear excursion: +/-2.6mm
 Maximal excursion: +/-4.5mm

Nominal power: 20W
 Maximal power handling: 50W



Integrated innovation



.Kompliance



.Konstant Le(X)

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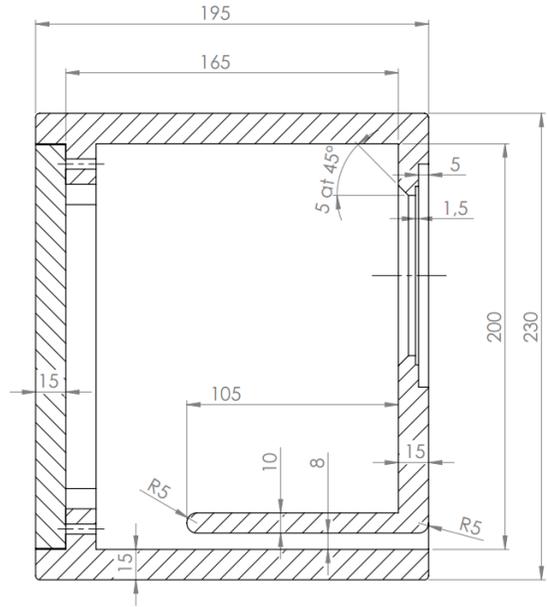
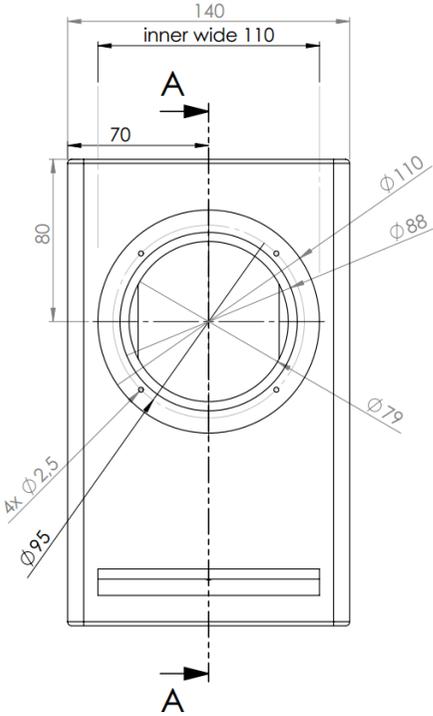
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Suggested enclosure drawing



COUPE A-A

Unit : mm

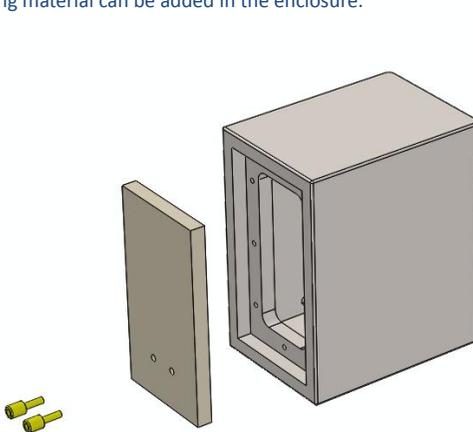
Suggested material : MDF or Plywood

Back face it detachable to make easiest correction filter assembling.

We suggest to assemble the back plate with screw nuts as these photos :



Damping material can be added in the enclosure.



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Rendering

Your loudspeaker system with Wib90_vHP could look like it (using finish ring made by 3D printing):



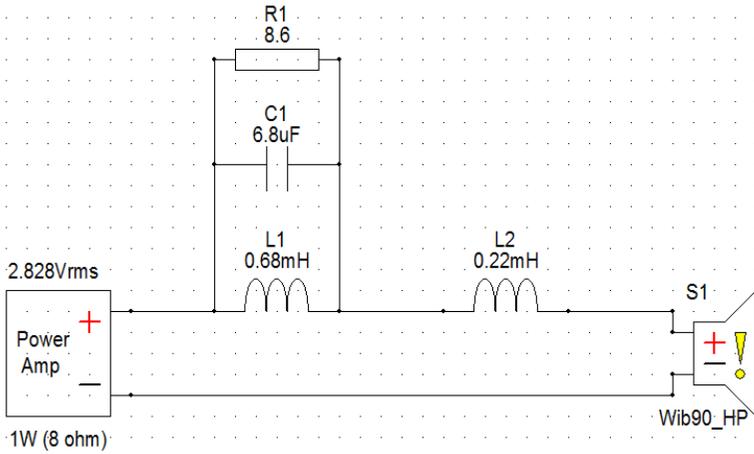
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Suggested correction filter

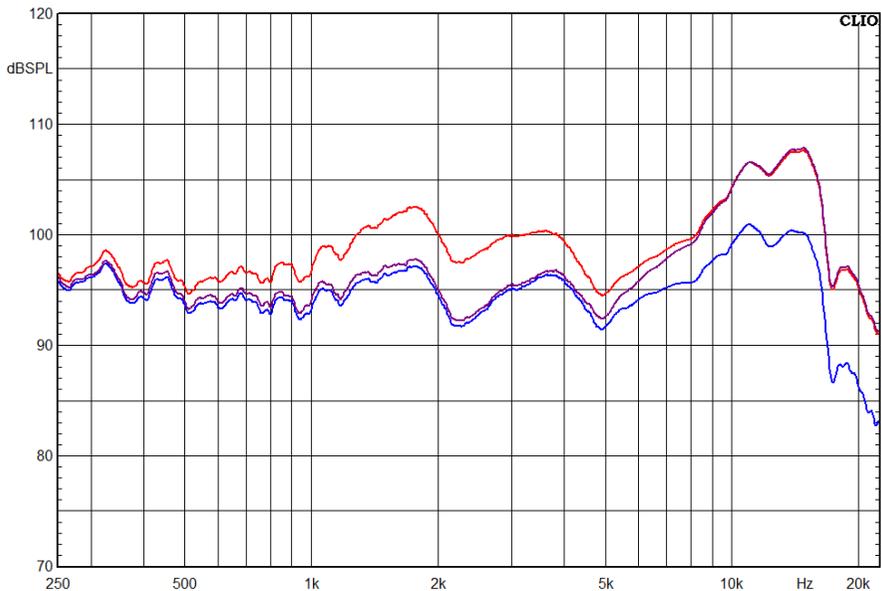


It is possible to add correction filter to get more linear frequency response.

We suggest to listen the Wib90_vHP without this correction filter in a first time and decide if it necessary for you.

Here below:

- The red curve is the frequency response without correction
- The purple curve is filter correction with L1, R1 and C1
- The blue curve is filter correction with L1, R1, C1 and L2



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