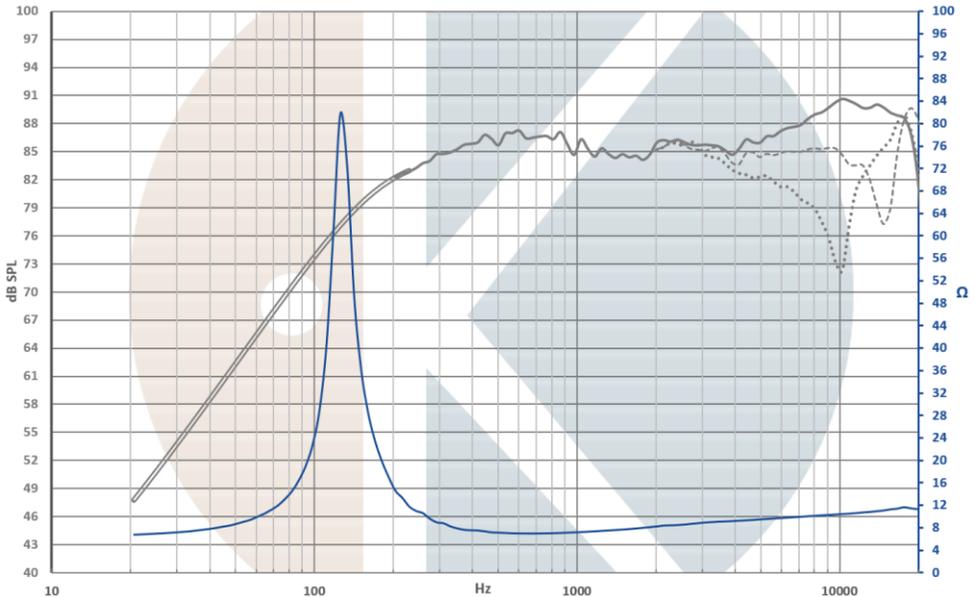


Wib70_vHP

High performances Wideband.



Wib70_vHP is a high performances wide band driver, engineered to reproduce 150Hz to 20 000Hz in compact product. The typical use case is 2x Wib70_vHP, connected in parallel, in sealed enclosure of 0.8L to reach 150Hz at -6dB. The frequency response has been shaped to compensate tight front baffle with related sound radiation below ~1kHz. Its motor structure uses 2x NdFeB magnets with long cooper ring to manage inductance effects. The Aluminum dust cap is directly glued on the voice coil former to improve energy transfer in high frequency. The voice coil former is made of polyimide material and Cooper clad Aluminium wire for lower moving mass (2.5g). The surround is made of low lost NBR surround, it allies linear stiffness over +/-3mm excursion and perfect mechanical matching with cone for smoother response in the midband.



On IEC baffle / Distance: 1m / Signal input: 2,83V / Dash curves: 20° & 40°
 Impedance measured in free air / Smoothing: 1/12 Octave
 Curve below 200Hz is simulated in 0.35L sealed enclosure, (Fsc = 195Hz / Qtc= 0.717)

Wib70_vHP

Our products can be adapted to your technical requirements and brand spirit.

www.Kartesian-acoustic.com - Engineered and produced in France



Advanced construction

Membrane

Paper cone with mesh
Aluminum dust cap (0.035mm Thickness)

Suspension

Low lost NBR surround
progressiF spider

Voice coil:

Underhung, $\varnothing 24\text{mm}$, 2 layers, CCAW
Polyimide former

Motor structure:

2x high-grade NdFeB magnets
Demodulated by Cooper ring
Optimized pole pieces design
Very low carbon steel

Frame

Exclusive frame with vented spider
PA12 material

T&S

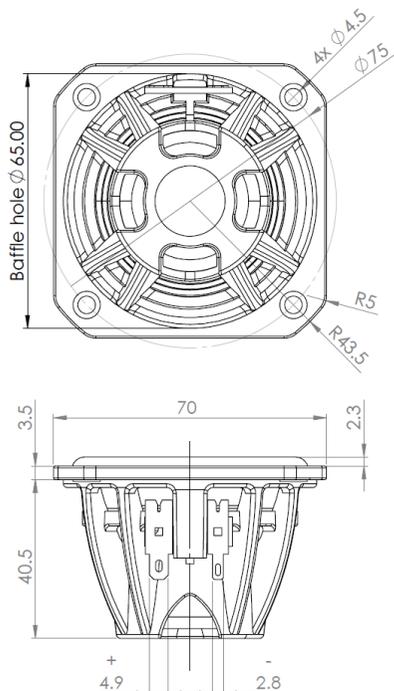
Fs 125Hz
SPL 85.5dB/2.8V/1m
Re 46.1 Ω

Qms 6.8
Qts 0.47
Bl 4.85N/A

VAS 0.45L
Mms 2.5g
Sd 22cm²

Linear excursion: +/-3 mm
Maximal excursion: +/-4mm

Nominal power: 25W
Maximal power handling: 40W



Integrated innovation



.Konstant Le(X)



.Kombo magnets



.progressiF spider

Visit our website to discover our innovation

Wib70_vHP

Our products can be adapted to your technical requirements and brand spirit.

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