

Wib120_vHE

High End Wideband.



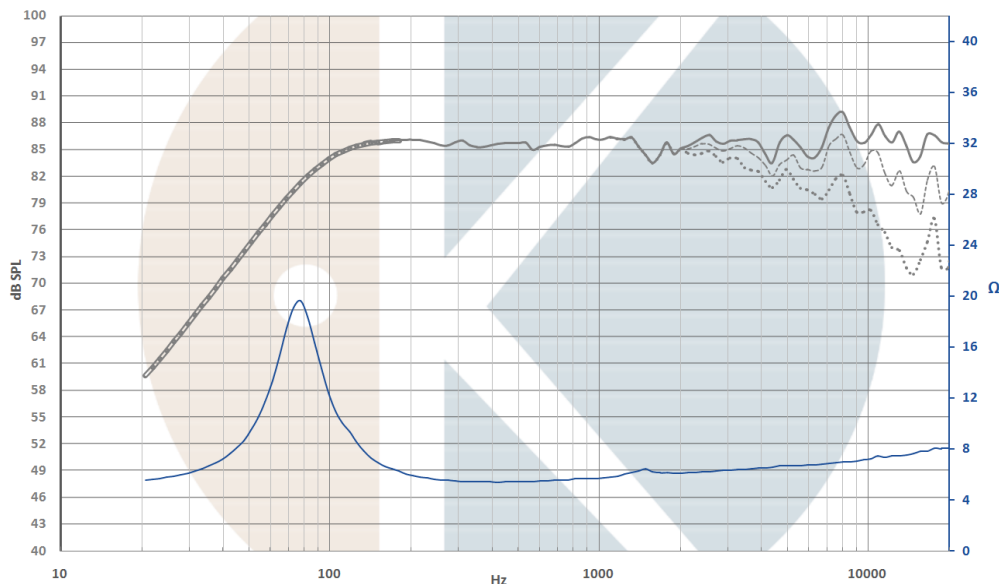
Wib120_vHE is a modern wide band, allying low frequency extension and linear frequency response up to 22kHz. The cone (exponential profile) is made of mixed cellulose and glass fiber, with specific damping applied on the back of the membrane to minimize sound coloration.

It integrates several innovations (dynamik spider, stepped voice coil, Kombo magnets, ...) to ensure high dynamic range and clean transient response.

The motor structure is built with very low carbon steel, high grade magnets (Ferrite and Neodymium).

A large cooper ring reduces the inductance non-linearity to the minimum (0.08mH at 1kHz).

Thanks to the stepped voice coil, the Wib120_vHE has low moving mass and wider force factor $[B(X)]$ than most of its competitors.



On IEC baffle / Distance: 1m / Signal input: 2,83V / Dash curves: 20° & 40°

Impedance measured in free air / Smoothing: 1/12 Octave

Curve below 150Hz is simulated in 3.5L sealed enclosure, ($F_{sc} = 110\text{Hz}$ / $Q_t c = 0.83$)

Wib120_vHE

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 - GF cone, damped on its back

Aluminum dust cap (0.035mm Thickness)

Suspension

Low lost NBR surround
dynamik spider

Voice coil:

Ø24mm, stepped winding, CCAW ribbon

Aluminum former

Motor structure:

Dual high-grade magnets (Fe + NdFeB)

Demodulated by Cooper ring

Optimized and vented pole pieces design

Very low carbon steel

Frame

Injected aluminum

Vented spider

T&S

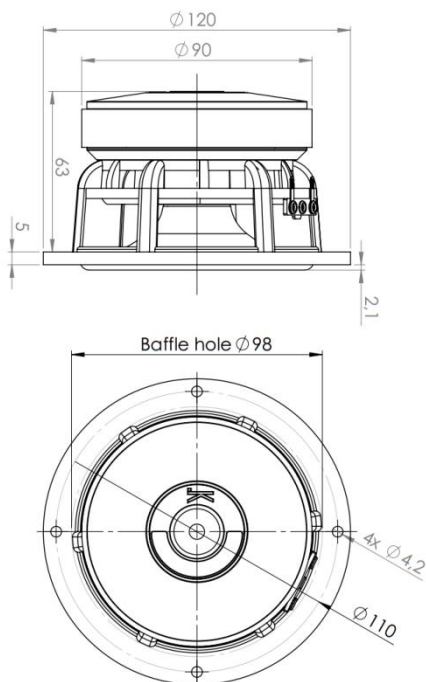
Fs 68Hz
SPL 86dB/2.8V/1m
Re 5.6Ω

Qms 2.25
Qts 0.56
Bl 3.98N/A

VAS 4.4L
Mms 4.9g
Sd 52.8cm²

Linear excursion: +/-4 mm
Maximal excursion: +/-6mm

Nominal power: 40W
Maximal power handling: 60W



Integrated innovation



.Konstant Le(X)



.Kombo magnets



.dynamik spider



.Kompliance surround

Visit our website to discover our innovation

Wib120_vHE

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

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

