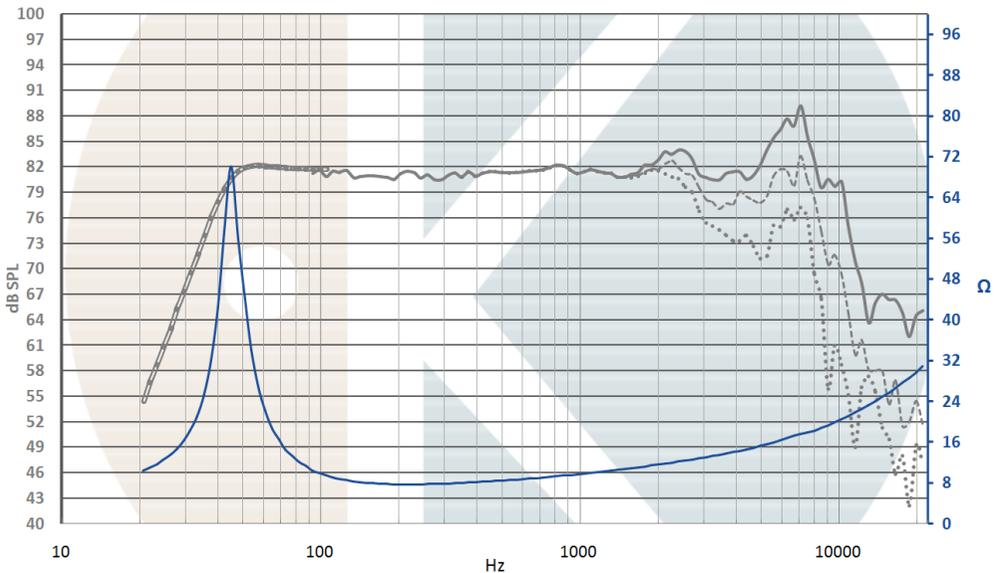


Sub120_vHE

High End extended Subwoofer.



Sub120_vHE is the top of the art loudspeaker for low frequency reproduction in compact high-end HiFi. It integrates several innovation such as the dynamik spider which keep constant F_s [Hz] over the full excursion, and the advanced motor structure, providing very linear force factor $Bl(X)$ and inductance $Le(X)$. The motor structure is built with dual high grade Neodymium magnets, and dual Aluminum rings to avoid inductance modulation and offer very low distortion performances. The membrane is made of Aluminum cone and proprietary CGF dust cap, which extend the frequency response over 3500Hz to built 2 ways systems.



On IEC baffle / Distance: 1m / Signal input: 2,83V / Dash curves: 30° & 60°
 Impedance measured in free air / Smoothing: 1/12 Octave
 Curve below 100Hz is simulated in 5.5L vented enclosure, $F_c = 45\text{Hz}$

Sub120_vHE

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

www.Kartesian-acoustic.com Rue Jean Sapidus, 67400 Illkirch, France



Advanced construction

Membrane
 Aluminum cone
 Concave CGF dust cap

Suspension
 Large NBR surround
 dynamiK spider

Voice coil:
 Ø33mm, Cu Wire
 Polyimide former

Motor structure:
 Dual high grade NdFeB magnets
 Demodulated by 2 Aluminum rings
 Optimized and vented pole pieces

Frame
 Injected aluminum
 Vented spider

T&S

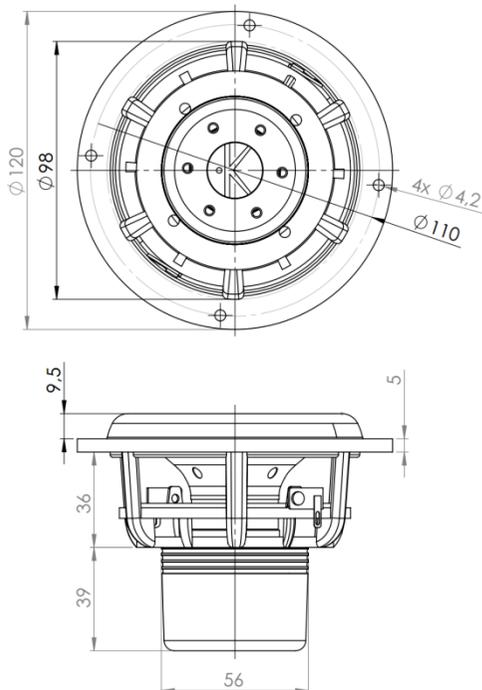
Fs 46Hz
 SPL 81.5dB/2.8V/1m
 Re 6.6Ω

Qms 5.4
 Qts 0.416
 Bl 7.3N/A

VAS 3.93L
 Mms 12.6g
 Sd 54cm²

Linear excursion: +/-6 mm
 Maximal excursion: +/-8.5mm

Nominal power: 80W
 Maximal power handling: 150W



Integrated innovation



.Konstant Le(X)



.Kombo magnets



.Kooling



.Kompund CGF



.dynamiK spider

Visit our website to discover our innovation

Sub120_vHE

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