

Mid120_vHE-2

High End cone Midrange.



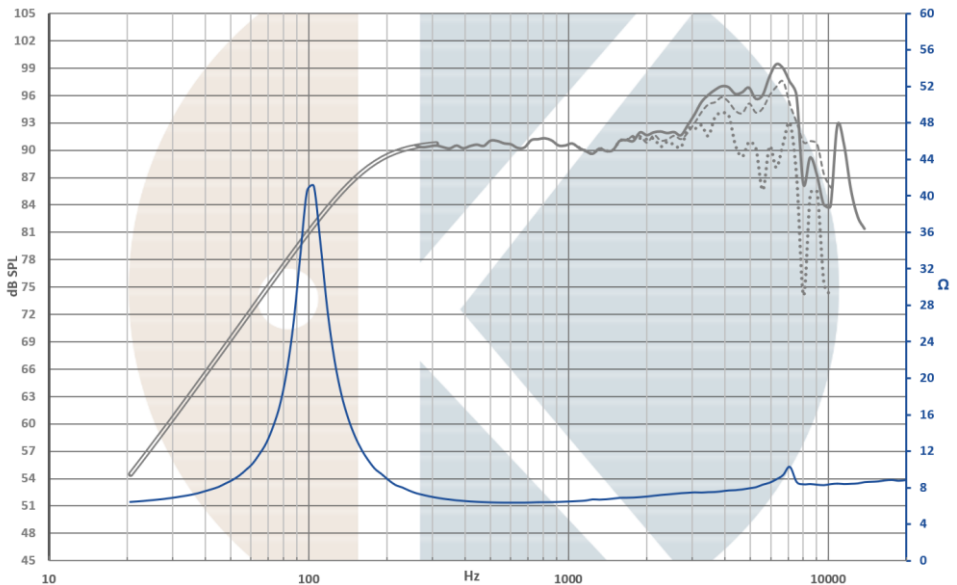
Mid120_vHE-e2 is a cone midrange driver dedicated to 3 ways High End systems.

It is an improved version of the famous Mid120_vHE, reputed for its accurate and dynamic midband reproduction. It provides good efficiency (90.5dB/2.8V/1m) with only 120mm diameter, 39mm deep and 8Ω nominal impedance. The useful bandwidth is 160Hz to 3000Hz (with 12dB/Oct high pass filter at 150Hz, and suitable EQ).

We recommend a damped sealed enclosure from 1L to 1.5L.

The motor structure uses dual NdFeB magnets, cooper ring for low and linear inductance: 0.1mH at 1kHz.

The membrane is made of hexaKone + large CGF cup, providing excellent rigidity/mass ratio and linear response (on and off-axis), on the dedicated bandwidth.



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

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

Curve below 300Hz is simulated in 1.2L Sealed enclosure, $F_c = 180\text{Hz}$, $Q_{tc} = 0.757$

Mid120_vHE-2

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

hexaKone with nickel treatment
Concave CGF dust cap

Suspension

Inverted roll SBR surround
pumaX spider

Voice coil:

Ø33mm, CCA ribbon Wire
Aluminum vented former

Motor structure:

Dual high grade NdFeB magnets
Demodulated by Cooper ring
Optimized and vented pole pieces

Frame

Injected aluminum
Vented spider

T&S

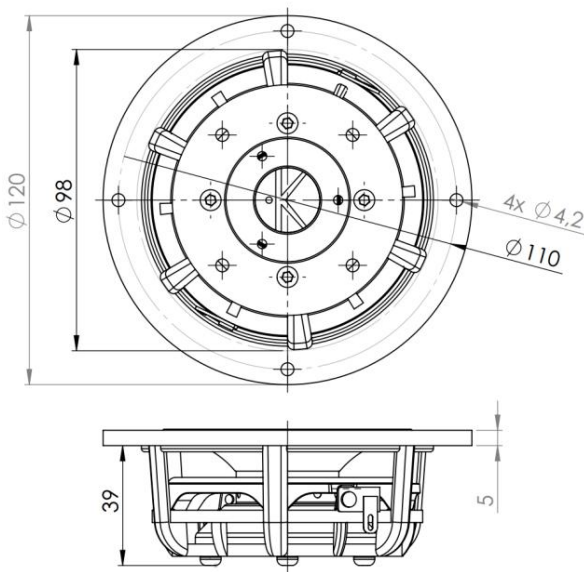
Fs 100Hz
SPL 90.5dB/2.8V/1m
Re 5.6Ω

Qms 3.8
Qts 0.437
Bl 5.6N/A

VAS 2.42L
Mms 4.4g
Sd 54.4cm²

Linear excursion: +/-1.5 mm
Maximal excursion: +/-2mm

Nominal power: 50W
Maximal power handling: 100W
With HPF at 150Hz, 12dB/Oct.



Integrated innovation



.Konstant Le(X)



.Kombo magnets



.Kompund CGF



.dynamiK spider

Visit our website to discover our innovation

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