

## Cox120\_vHP

Advanced 4" coaxial.

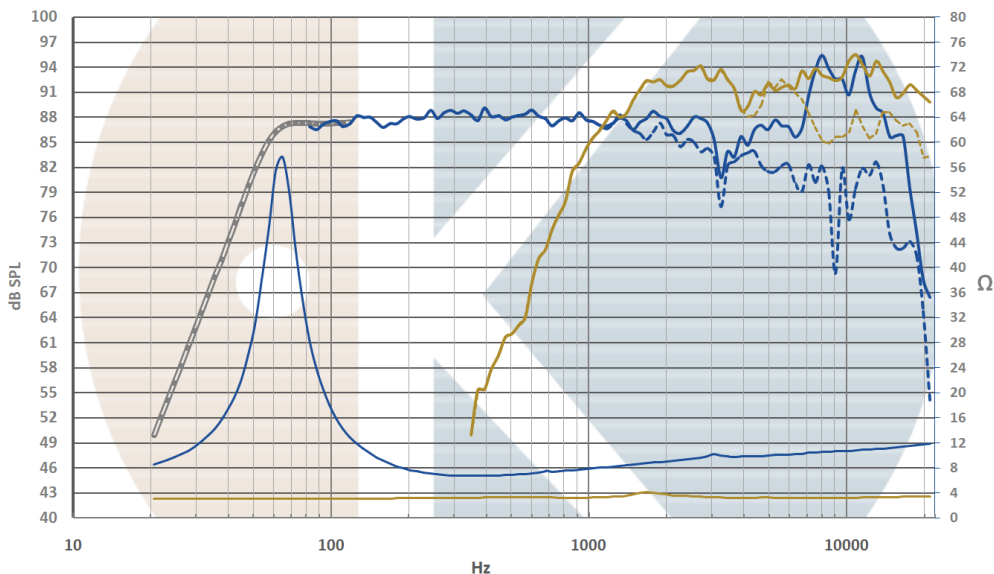


Cox120\_vHP is an advanced coaxial loudspeaker, designed to cover 60 - 22 000Hz (-3dB).

The cone of the woofer uses the hexaKone technology and the reversed NBR surround which avoid any diffraction for tweeter sound wave.

The tweeter is built with very light 12mm voice coil dived in twin NdFeB magnets motor, delivering 16000 Gauss.

We suggest a crossover point around 3200Hz, 12dB/Oct.



On IEC baffle / Distance: 1m / Signal input: 2,83V / Dash curves: 40° / Blue: Woofer - Yellow: Tweeter  
 Impedance measured in free air / Smoothing: 1/12 Octave  
 Curve below 100Hz is simulated in 4,5L vented enclosure,  $F_c = 60\text{Hz}$

## Cox120\_vHP

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

[www.Kartesian-acoustic.com](http://www.Kartesian-acoustic.com) \_ Phone: +33 6 8035 4115 \_ Rue des Rossignols, 67450 Ostwald, France



## Advanced construction

### Membrane

**W:** hexaKone / **T:** Nylon

### Suspension (woofer)

Reversed - Low lost - NBR material

Innovative dynamiK spider

### Voice coil:

**W:** Ø26mm, Cu wire / Aluminum former

**T:** Ø12mm, CCAW wire / Polyimide former

### Motor structure:

**W:** Fe magnet / Cooper ring

10900 Gauss on 5mm height

**T:** 2x NdFeB magnets

16000 Gauss on 1.2mm height

### Frame

**W:** Injected aluminum, vented spider

**T:** PA12 with dual rear chambers system

## T&S (Woofer)

**Fs** 68Hz  
**SPL** 88dB/2.8V/1m  
**Re** 5.3Ω

**Qms** 4.2  
**Qts** 0.339  
**Bl** 5.92N/A

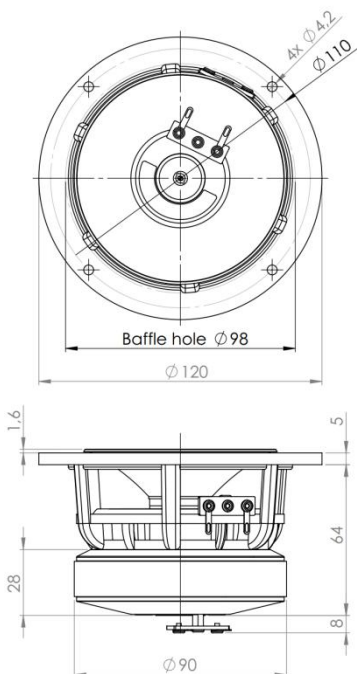
**VAS** 3.11L  
**Mms** 5.7g  
**Sd** 47.8cm<sup>2</sup>

Linear excursion: +/-3.5mm

Maximal excursion: +/-6mm

Nominal power: 50W

Maximal power handling: 100W



## Integrated innovation



.Kompliance



.dynamiK spider



.hexaKone



.Konstant Le(X)



.Kouples chambers

Visit our website to discover our innovation

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