

## Cox135\_vPA-S

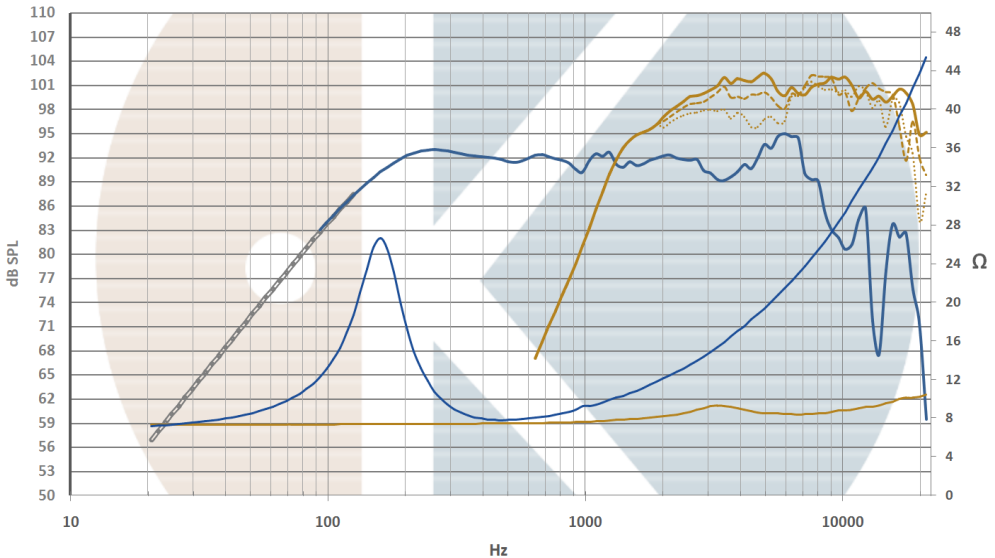
High quality 5" Coaxial.



Cox135\_vPA-S is a high quality coaxial loudspeaker with low-midrange and tweeter dedicated to demanding compact application.

Thanks to the advanced pole pieces geometry and specific membranes, it provides clear and neutral sound reproduction from 180Hz to 20 000Hz, and very low THD.

We suggest a crossover point around 4000Hz, 12dB/Oct between low-midrange and tweeter.



On IEC baffle / Distance: 1m / Signal input: 2,83V / Dash curves: 30° & 60°

Blue :Low-Midrange/ Yellow : Tweeter

Protection HPF applied on Tweeter : 1500Hz - 12dB/Oct

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

Curve below 120Hz is simulated in 3L sealed enclosure,  $F_c = 180\text{Hz}$

## Cox135\_vPA-S

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

[www.Kartesian-acoustic.com](http://www.Kartesian-acoustic.com) Rue Jean Sapidus, 67400 Illkirch, France



## Advanced construction

### Membrane

**W:** Pressed and treated paper

**T:** Aluminum

### Suspension (woofer)

"M" roll damped fabric surround

Polyester / cotton spider

### Voice coil:

**W:** Ø38.5mm, CCA Wire, Glass fiber former

**T:** Ø25mm, CCA Wire, KSV former

### Motor structure:

**W:** High grade Fe magnet, Cooper ring

**T:** NdFeB magnet, 14600 Gauss

### Frame

**W:** Injected aluminum, vented spider

**T:** Aluminum, heat sink integrated

## T&S (woofer)

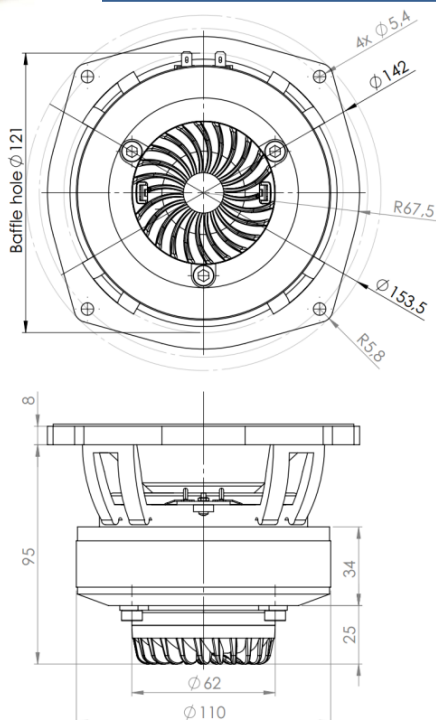
**Fs** 158Hz  
**SPL** 91dB/2.8V/1m  
**Re** 6.5Ω

**Qms** 2.36  
**Qts** 0.59  
**Bl** 8.78N/A

**VAS** 1.38L  
**Mms** 9.4g  
**Sd** 95cm<sup>2</sup>

Linear excursion: +/-2.5 mm  
 Maximal excursion: +/-4mm

Nominal power: 90W  
 Maximal power handling: 180W  
*(with HPF at 150Hz, 6dB/Oct)*



## Integrated innovation



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