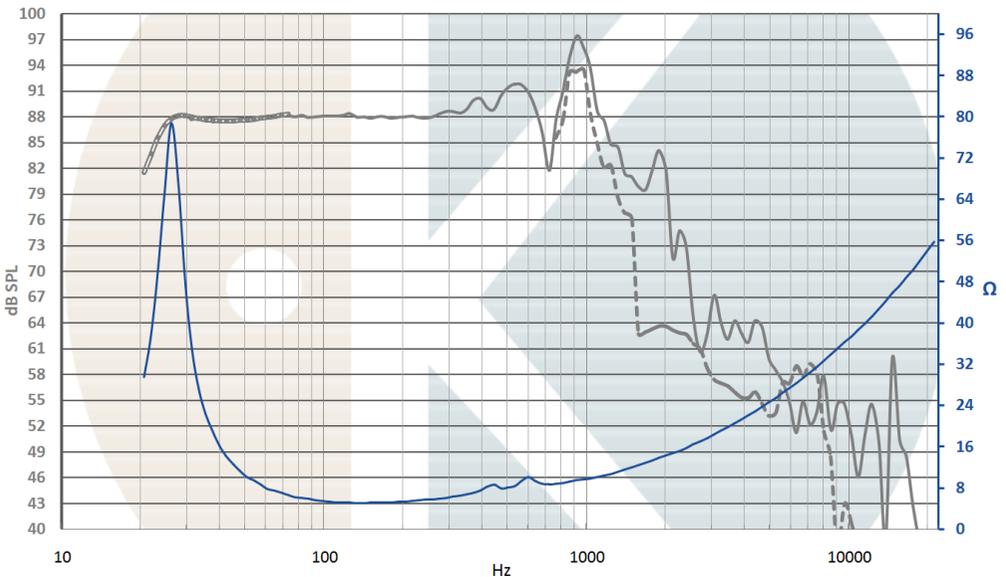


Sub250_vHE

High End Subwoofer.



Sub250_vHE has been designed to reproduce powerful bass impact and every single detail in low frequency. It integrates several innovation to keep THD below 1% from 25Hz to 300Hz (free air, playing 90dB at 1m). Suspension are fully balanced by reinforced NBR surround and dual dynamik spiders, keeping unchanged resonance frequency value, whatever the cone excursion (+/-12mm). The motor structure uses 2x NdFeB magnets, 2x Aluminum rings and advanced pole pieces design to get strong magnetic field and cool the voice coil. This one is built on Ø82mm glass fiber former, made of only 2 layers (1inner / 1outer) to minimize the inductance value and the related modulation.



On IEC baffle / Distance: 1m / Signal input: 2,83V / Dash curve: 40°
 Impedance measured in free air / Smoothing: 1/12 Octave
 Curve below 75Hz is simulated in 60L vented enclosure, Fc = 25Hz

Sub250_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

Treated 6 layers paper cone
Large CGF dust cap

Suspension

Large reinforced NBR surround
Dual dynamik spiders

Voice coil:

Ø82mm, Cu Wire
1 Inner and 1 outer layer
Reinforced / Vented Glass fiber 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

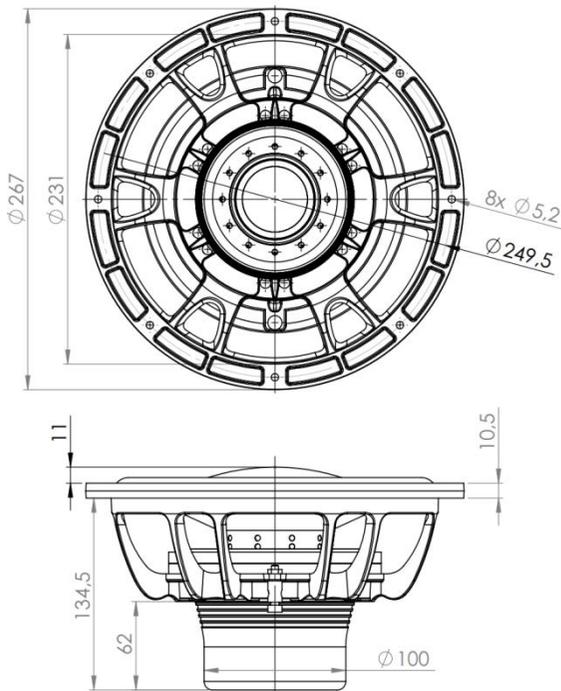
Fs 26Hz
SPL 88dB/2.8V/1m
Re 4.2Ω

Qms 6.4
Qts 0.312
Bl 14.9N/A

VAS 57.3L
Mms 106g
Sd 338cm²

Linear excursion: +/-8.5 mm
Maximal excursion: +/-12mm

Nominal power: 300W
Maximal power handling: 450W



Integrated innovation



.Konstant Le(X)



.Kombo magnets



.Kooling



.Kompund CGF



.dynamik spider

Visit our website to discover our innovation

Sub250_vHE

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