

## Wom165\_vHE-e2

High End Woofer.



Wom165\_vHE-e2 is a High End 6.5" woofer engineered to reproduce 40Hz - 3000Hz (-3dB).

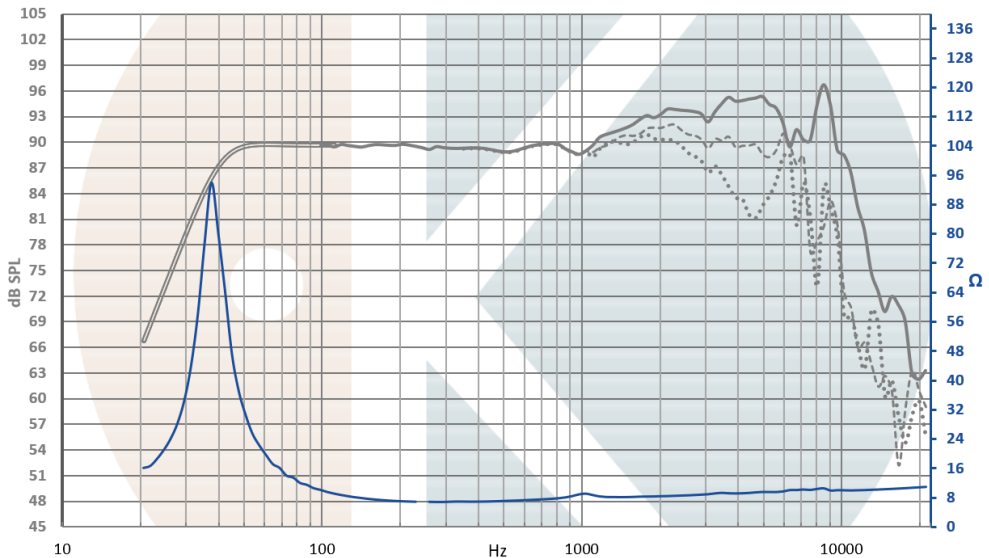
It uses a  $\varnothing 36\text{mm}$  under-hung Titanium voice coil, with very low inductance ( $L_e=0.13\text{mH}$  at 1kHz).

The advanced and powerful motor structure is built with 2 high grade NdFeB magnets, providing 1.1T over 16mm height, ensuring constant force factor on +/-6mm cone excursion.

The spider uses proprietary pumaX technology, keeping constant stiffness on the useful excursion range and a protection above it.

The cone is made in CGF with high rigidity and damping to avoid sound lagging and related coloration.

The suspension is made of low mechanical lost NBR with advanced cone junction.



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

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

Curve below 110Hz is simulated in 25L vented enclosure,  $F_c = 40\text{Hz}$

## Wom165\_vHE-e2

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

[www.Kartesian-acoustic.com](http://www.Kartesian-acoustic.com) - Engineered and produced in France



## Advanced construction

**Membrane**  
CGF cone  
Concave CGF dust cap

**Suspension**  
Low lost NBR surround  
pumaX spider

**Voice coil:**  
Ø36mm, Cu Wire  
Titanium former

**Motor structure:**  
Dual high grade NdFeB magnets  
Demodulated by Cooper ring  
Under-hung vented voice coil  
Optimized and pole pieces design

**Frame**  
Injected aluminum  
Fully vented design

## T&S

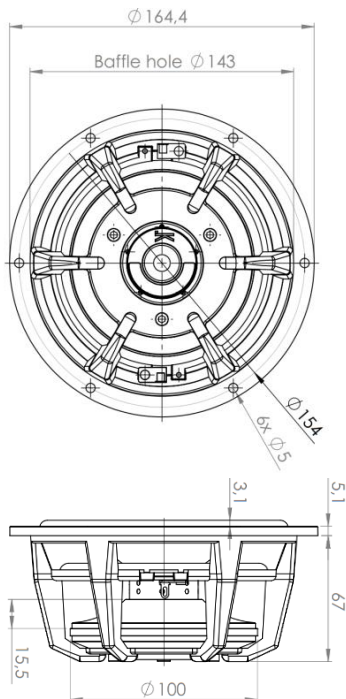
Fs 38Hz  
SPL 89.5dB/2.8V/1m  
Re 5.8Ω

Qms 6.8  
Qts 0.378  
Bl 6.6N/A

VAS 29.9L  
Mms 12.6g  
Sd 123cm<sup>2</sup>

Linear excursion: +/-6 mm  
Maximal excursion: +/-8mm

Nominal power: 80W  
Maximal power handling: 150W



## Integrated innovation



.Konstant Le(X)



.Konstant BI(X)



.Kombo magnets



.Kompund CGF



.pumaX spider

Visit our website to discover our innovation

## Wom165\_vHE-e2

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

[www.Kartesian-acoustic.com](http://www.Kartesian-acoustic.com) - Engineered and produced in France

