

Sub180_vMS

Large linear excursion Subwoofer

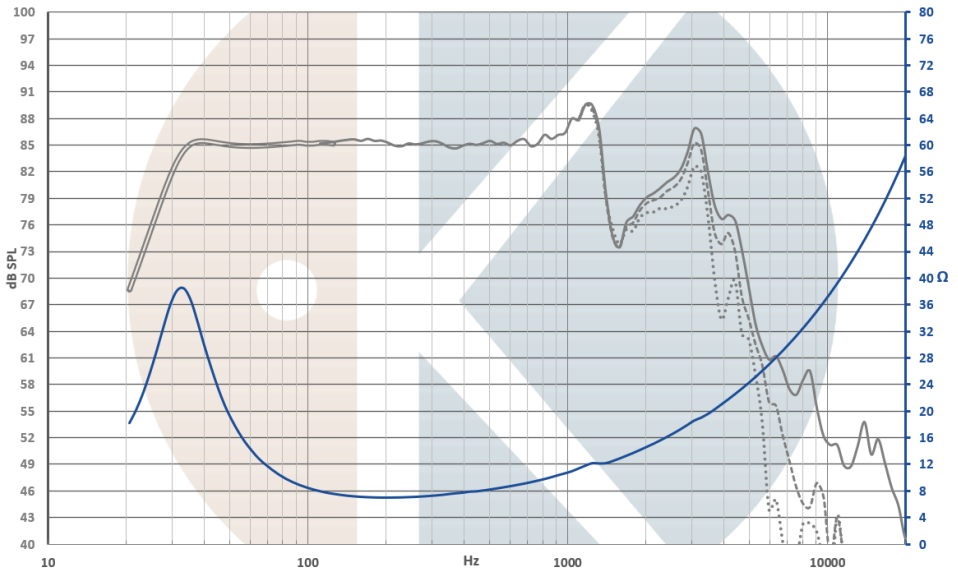


Sub180_vMS is a long linear excursion transducer, to be used in active compact subwoofer or 3 ways system. We recommend to use this driver to cover the bandwidth 30 – 700Hz (-3dB).

It has been engineered to provide very accurate cone movements, with +/-11mm linear excursion, in order to reproduce the full dynamic range in low frequency.

The powerful motor structure is based on advanced pole piece geometry which focus 1.3T in the gap, keeping smooth inductance (L_e variation = 0.15mH 500Hz, with +/-11mm excursion).

The suspensions use dynamik and pumaX spiders, mounted with specific vented spacer and low lost rubber surround to avoid any mechanical damping, which could slow down the cone movements.



On IEC baffle / Distance: 1m / Signal input: 2,83V / Dash curves: 20° & 40°
Smoothing: 1/12 Octave / Impedance measured in free air
Curve below 120Hz is simulated in 23L vented enclosure / Tuning frequency: 33Hz

Sub180_vMS

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

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Advanced construction

Membrane

Treated paper cone
Large concave dust cap

Suspension

Low lost NBR surround
Dual spiders: dynamiK + pumaX

Voice coil:

Ø37mm, 2 layers, Cu wire
Vented Aluminum former

Motor structure:

Dual Fe magnets
Magnet grade: Y40
Optimized and vented pole pieces
Low carbon steel

Frame

Injected aluminum (ACD12)
Vented spiders spacer

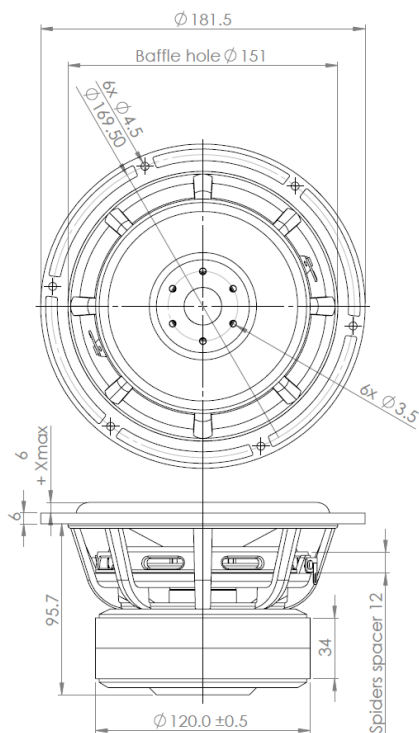
T&S

Fs	31Hz
SPL	85.5dB/2.83V/1m
Re	6.2Ω
Impedance	8 Ω
Qms	2.2
Qts	0.33
Bl	8.85N/A
VAS	22.45L
Mms	25.2g
Sd	123cm ²

Linear excursion: +/-11 mm
Maximal excursion: +/-16mm

Nominal power: 200W
(AES:2012 standard)

Maximal power handling: 300W



Integrated innovation



.Konstant Le(X)



.foKus field



.dynamiK spider



.Kompliance surround



.Kooling

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