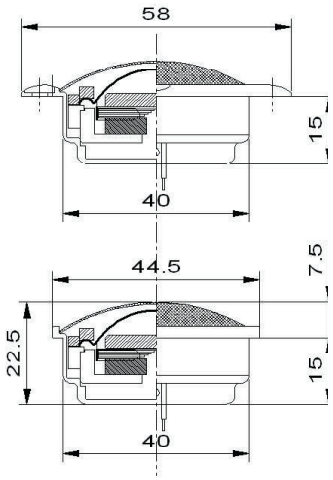
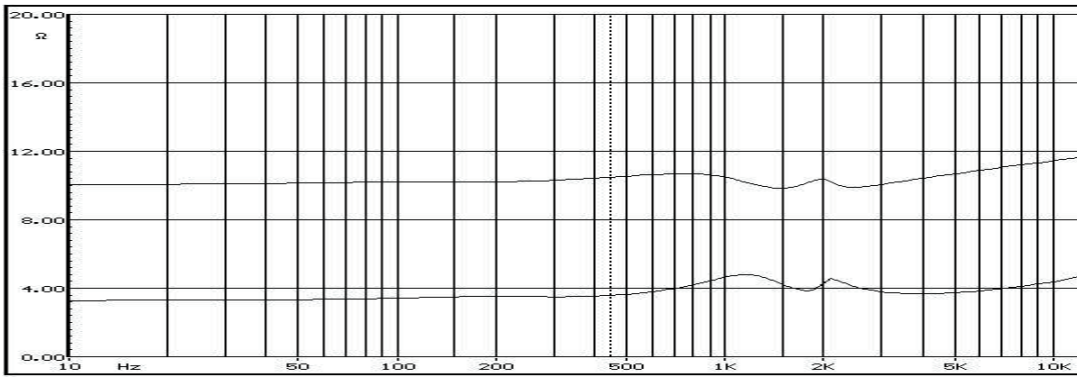
MM1-MM1T

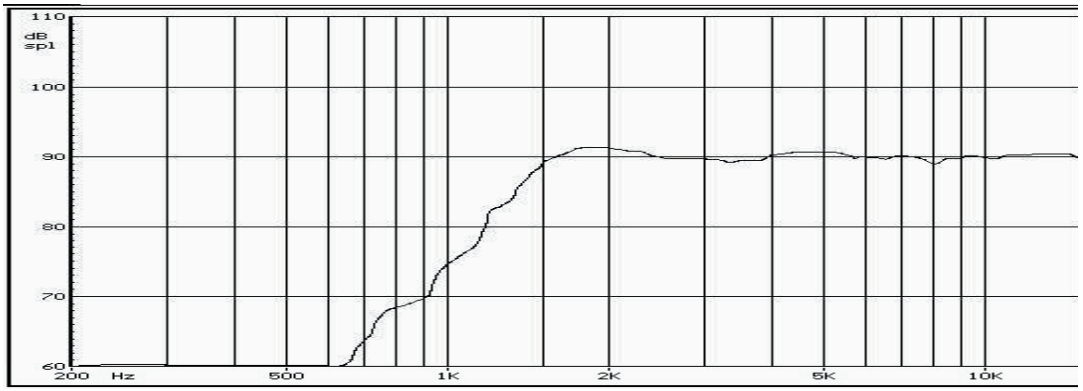
D:	**28 mm**
Re:	**3 Ohm**
Fs:	**1050 Hz**
Qt:	**0.98**
Qm :	**3.15**
Bl:	**1.49 N/A**
Le:	**0,4 mH**
Freq-resp:	**1.3-22 kHz**
Pmax:	**30 W 1,5 kHz**
dB Spl:	**91.5**



MM1 PHASE/IMPEDANCE



FREQUENCY RESPONSE



TECHNICAL FEATURES

- DOME: 28 mm diameter, silk.
- VOICE COIL: OFC copper on aluminium former (∅ 25 mm). Ferrofluid cooled.
- MAGNET: High temperature stable Neodimium , magnetized with an internal procedure.
- BAFFLE: 58mm diameter, single block of aluminium, double loading chamber.

With its rear loading chamber, this tweeter features a low frequency of resonance, which, together baffle, allows the component to start working from lower frequencies than usual, and, thanks to th reach the highest frequencies without problems. The out of axis response is optimised, making the metric and pointing at its maximum with a red spot on the side of the chassis. Available in black or si out the baffle. No matter which version, this is the expression of our skills and know how.

Due to the continue increase of the performances, parameters are subject to change without notice
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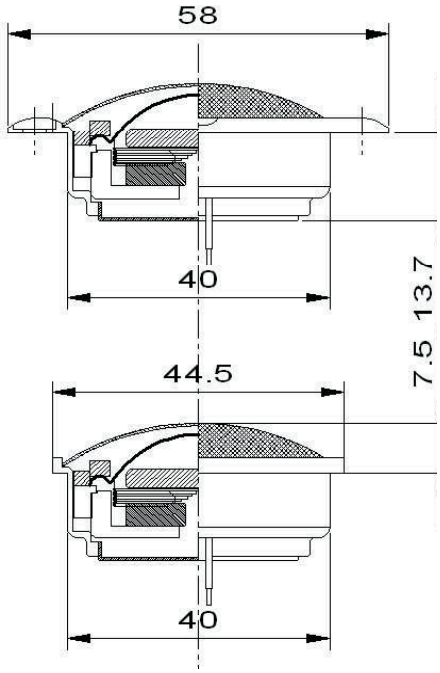
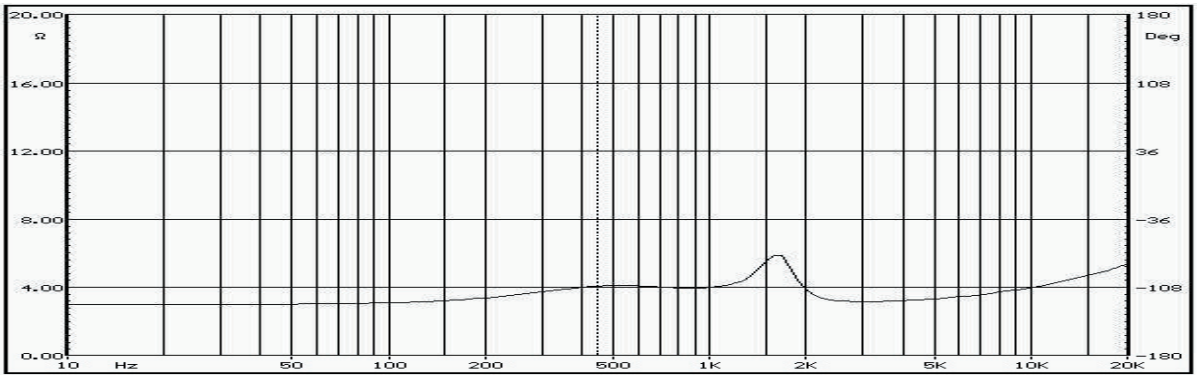
MM1S-MM1TS

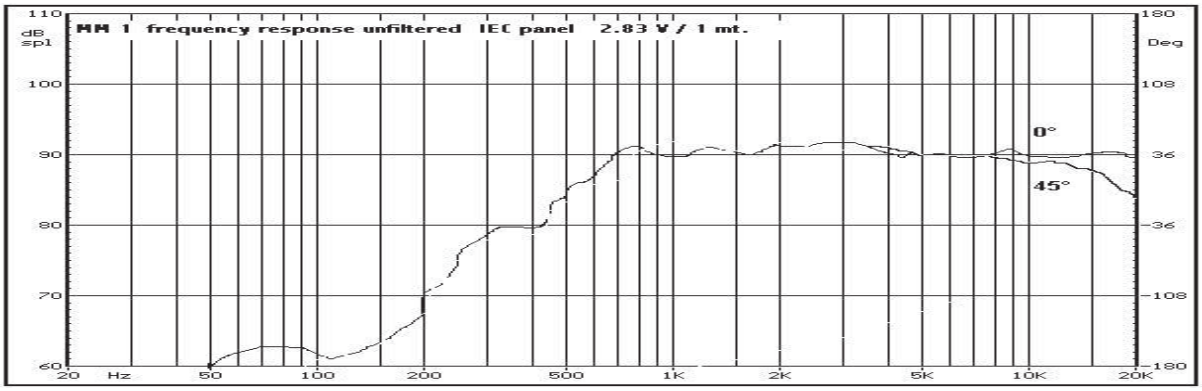
D:	**28 mm**
Re:	**3 Ohm**
Fs:	**560 Hz**
Qt:	**0.98**
Qm :	**1.91**
Bl:	**0.8 N/A**
Le:	**0,31 mH**
Freq-resp:	**1.2-22 kHz**
Pmax:	**25 W 1,5 kHz**
dB Spl:	**90**



MM1S IMPEDANCE



FREQUENCY RESPONSE



TECHNICAL FEATURES

- DOME: 28 mm diameter, silk.
- VOICE COIL: OFC copper on aluminium former (∅ 25 mm). No ferrofluid cooled.
- MAGNET: High temperature stable Neodimium, magnetized with an internal procedure.
- BAFFLE: 58mm diameter, single block of aluminium, double loading chamber.

This tweeter is absolutely innovative and one of a kind. It is a band pass with opened rear loading chamber. Suc system grants the maximum sound nature and extreme extension to the medium range. This tweeter doe not h ferrofluid, and such feature creates no mechanical connection to the voice coil. It confers high speed, and the dam is created from the loadings and from the type of suspension, which produce a warm and very realistic sound.

Due to the continue increase of the performances, parameters are subject to change without notice
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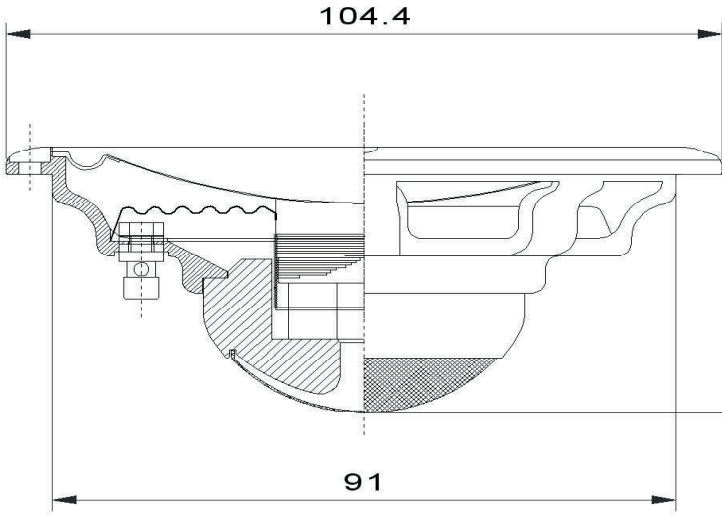
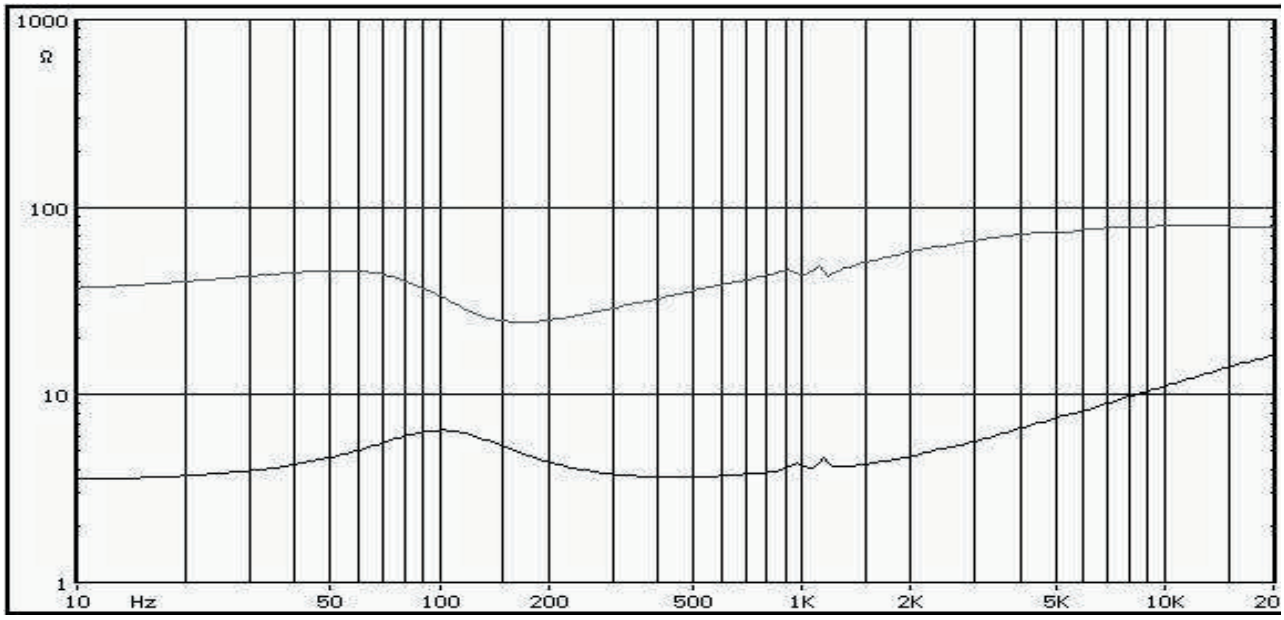
MM 4

Le:	**0.39 mH**
Re:	**3.0 ohm**
Fs:	**98 Hz**
Qms:	**1**
Qts:	**0.44**
Vas:	**1.62 l**
Bl:	**3.32 N/A**
Ferq.Resp:	**130-7000 Hz**

Sd:	**55.3 cm^2**
Xmax:	**10 mm**
Pmax:	**50 W**
dBSpl:	**88 dB**



MM4 PHASE / IMPEDENCE



TECHNICAL FEATURES

- CONE: Reverse dome fiberglass, with reverse rubber suspension.
- VOICE COIL: OFC copper on alu-former (∅ 26 mm).
- BASKET: Original design, from a single block of aluminum, screw binding post.
- MAGNET: Neodimium Ferrofluid cooled.

The MM midrange is a reverse dome, 104mm., the only one in the market with a Ferrofluid cooling system, and a single block aluminum basket.
The reverse dome, as the suspension, allows to reach a wide and open frontstage like a traditional dome, but without the excessive and uncontrolled dispersion that sometimes this typology reveals.
The perfect match with midbass and tweeter of the same line, through the crossing with the unconventional network X 3 MM, allows the design of a three way system of absolute quality.
Its range goes from 130 up to 7000 Hz with a remarkable linearity.

Phase and impedance curves are measured after 20 hours burn-in at 40 W RMS, so are the T / S parameters.
Due to the continue research and development, these information are subject to change without notice.

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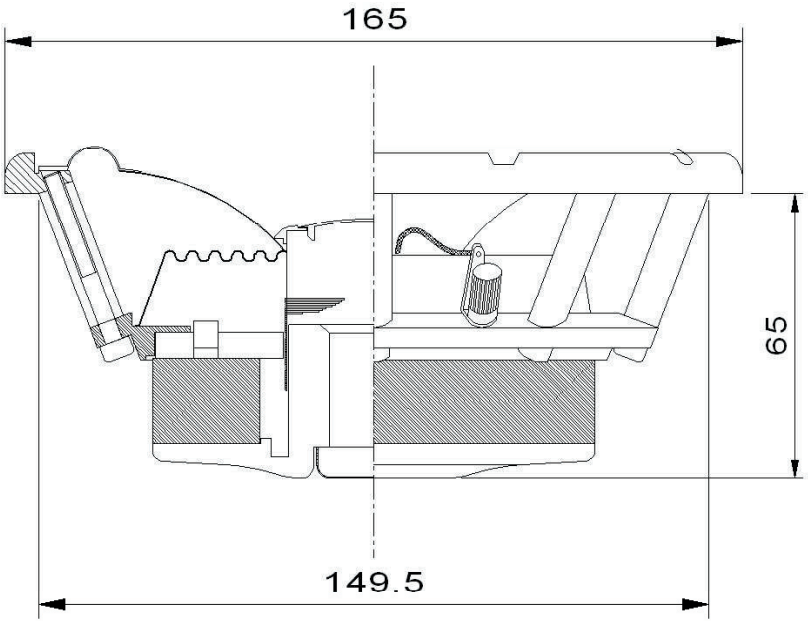
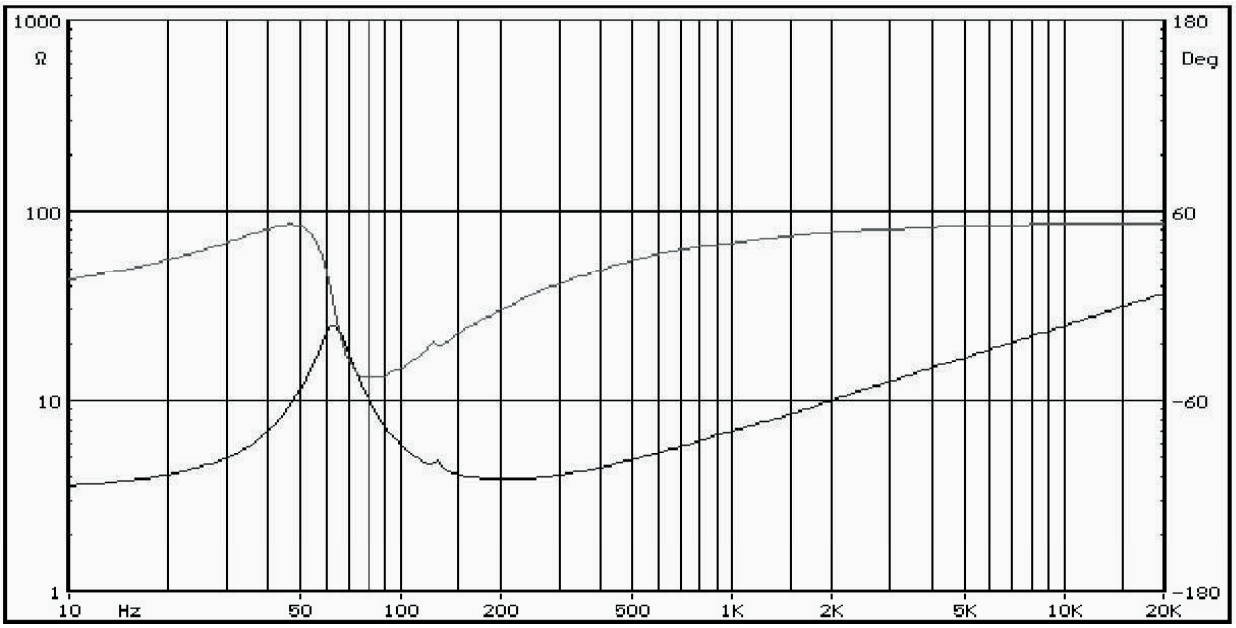
MM6

Le:	**0.92 mH**
Re:	**3 ohm**
Fs:	**62.6 Hz**
Qms:	**4.38**
Qts:	**0.59**
Vas:	**6.94 l**
Bl:	**6.69 N/A**
Freq.Risp:	**42-2300 Hz**

Sd:	**136 cm^2**
Xmax:	**20 mm**
Pmax:	**150 W**
dBSpl:	**90 dB**



MM6 PHASE / IMPEDANCE



TECHNICAL FEATURES

- CONE: Fibreglass with rubber suspension.
- VOICE COIL: OFC Pure copper wire on aluminium former (∅ 40 mm).
- BASKET: Steel and aluminium, in order to optimize the dumping.
- DUST COVER: An aluminium ring with plastic insert, glued directly to the V/C former, in order to help the cooling and reach the desired Mms.

This midwoofer was designed after the measurement and listening of the best sounding cars around Europe. After a weighted evaluation of numbers and sensations, this unconventional item was released. Several magazines called it "the bumblebee", and as that insect flies against the theory, our MM6 sounds against the graphs...
The door enclosures or rear trunks are its preferred options, by the way this speaker requires a lot of care and skill to bring what it can to music lovers.

Phase and impedance curves are measured after 20 hours burn-in at 40 W RMS, so are the T / S parameters.
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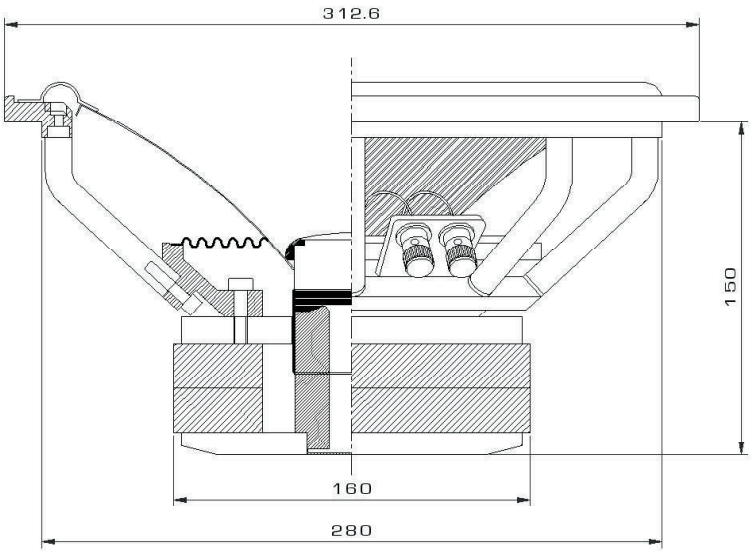
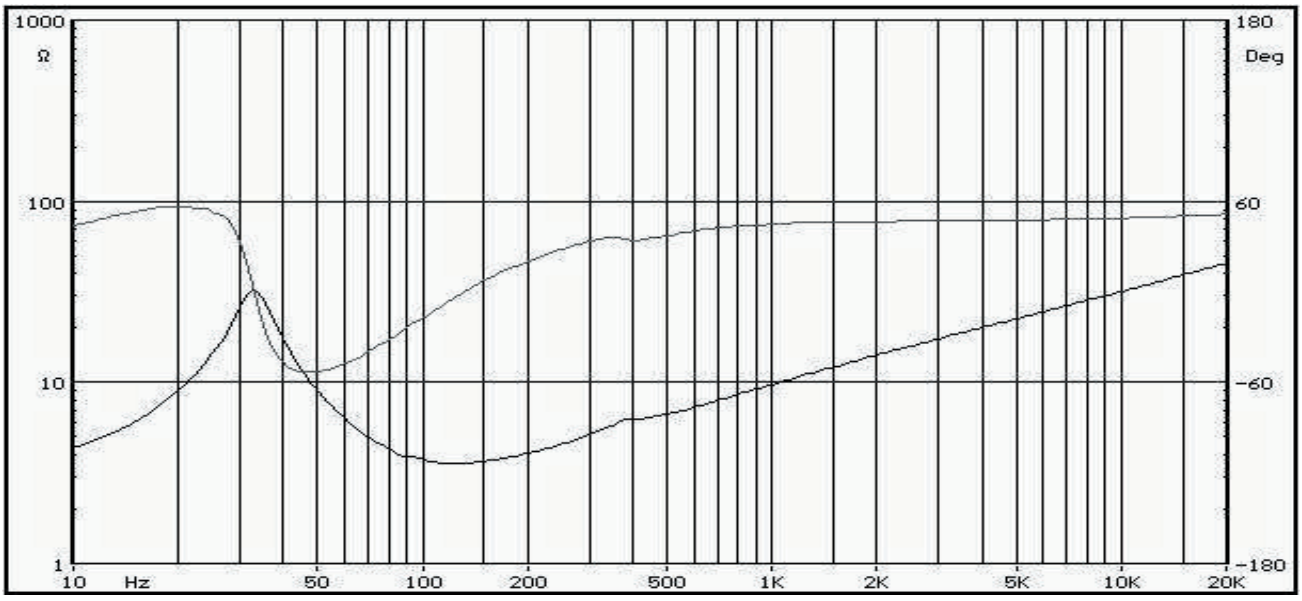
MM 12

Le:	**1.14 mH**
Re:	**2.8 ohm**
Fs:	**33 Hz**
Qms:	**3.46**
Qts:	**0.35**
Vas:	**76 l**
Bl:	**15.8 N/A**
Ferq.Resp:	**25-800 Hz**

Sd:	**540 cm^2**
Xmax:	**33 mm**
Pmax:	**400 W**
dBSpl:	**92 dB**



MM12 PHASE / IMPEDANCE



TECHNICAL FEATURES

- CONE: Fibreglass / - SUSPENSION: Thermo-formed butilic rubber of high shore.
- VOICE COIL : OFC copper wire on alu-former (∅ 54 mm). Vented pole for forced air cooling.
- BASKET : Multi-reinforced Aluminium and steel parts, with brass inserts in order to low the third harmonic distortion.
- VOICE COIL DUST COVER : Material , weight, dimension studied to increase the Mms in order to linearize the higher frequencies, and help to dissipate the heat.

This true woofer is the extreme expression of AD low frequencies reproduction conception. The goal was combining the sound of hi-end with the reliability of PA.
Small volumes boxes are requested as a starting point, both sealed or ported. This woofer was engineered as the perfect completion in low frequencies for the MM line speakers, but it can be used for any hi-end application, home or car, for the use as a woofer or subwoofer.

Phase and Impedance curves are measured after 20 hour of use at 50 W RMS, so are the T/S parameters.
Due to the continue research and development, these information are subject to change without notice.

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