6HCX51 8 Ω

- 300 W continuous program power capacity
- 70° nominal coverage
- 90 - 18000 Hz response
- 92 dB sensitivity
- Single Neodymium magnet assembly
- 20.1 mm (0.79”) HF unit exit diameter

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GENERAL

Nominal Diameter	**170 mm (6.5 in)**
Nominal Impedance	**8 Ω**
Frequency Range	**90 Hz - 18000 Hz**
Dispersion Angle Included by –6 dB down points.	**70 °**

PARAMETERS

Fs	**89 Hz**
Re	**5.2 Ω**
Qes	**0.4**
Qms	**7.5**
Qts	**0.38**
Vas	**5 dm^3 (0.18 ft^3)**
Sd	**132 cm^2 (20.5 in^2)**
η0	**0.8 %**
Xvar	**5.5 mm**
Mms	**16 g**
Bl	**10.9 Tm**
Le	**0.8 mH**
EBP	**223 Hz**

SPECIFICATIONS HF UNIT

Nominal Diameter	**170 mm (6.5 in)**
Nominal Impedance	**8 Ω**
Minimum Impedance	**7.5 Ω**
Nominal Power Handling 2 hour test made with continuous pink noise signal within the range from the recommended crossover frequency to 20 kHz. Power calculated on rated minimum impedance. Loudspeaker in free air.	**25 W**
Continuous Power Handling Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	**50 W**
Sensitivity Applied RMS Voltage is set to 2.83V.	**105 dB**
Recommended Crossover 12 dB/oct. or higher slope high-pass filter.	**2.2 kHz**
Voice Coil Diameter	**36 mm (1.4 in)**
Winding Material	**Aluminium**
Inductance	**0.06 mH**
Flux Density	**1.8 T**
Diaphragm Material	**Polyester**

SPECIFICATIONS LF UNIT

Nominal Diameter	**170 mm (6.5 in)**
Nominal Impedance	**8 Ω**
Minimum Impedance	**6 Ω**
Nominal Power Handling 2 hours test made with continuous pink noise signal within the range Fs-10Fs. Power calculated on rated minimum impedance. Loudspeaker in free air.	**150 W**
Continuous Power Handling Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	**300 W**
Sensitivity Applied RMS Voltage is set to 2.83V.	**92 dB**
Voice Coil Diameter	**51 mm (2 in)**
Winding Material	**Copper**
Former Material	**Kapton**
Winding Depth	**13 mm (0.51 in)**
Magnetic Gap Depth	**6 mm (0.24 in)**
Flux Density	**1.1 T**
Woofer Cone Treatment	**TWP Waterproof Both Sides**

DESIGN

Magnet Material	**Neodymium Ring**
Woofer Cone Treatment	**TWP Waterproof Both Sides**

MOUNTING AND SHIPPING INFO

Overall Diameter	**187 mm (7.4 in)**
Bolt Circle Diameter	**172 mm (6.7 in)**
Baffle Cutout Diameter	**146 mm (5.75 in)**
Depth	**104 mm (4.1 in)**
Flange and Gasket Thickness	**11 mm (0.4 in)**
Net Weight	**1.6 kg (3.53 lb)**
Shipping Units	**1 pcs**
Shipping Weight	**2.05 kg (4.52 lb)**
Shipping Box	**255x255x150 mm (10.04x10.04x5.91 in)**

SERVICE KITS

HF replacement-diaphragm	**MMD0128**
LF recone-kits	**RCK06HCX518**

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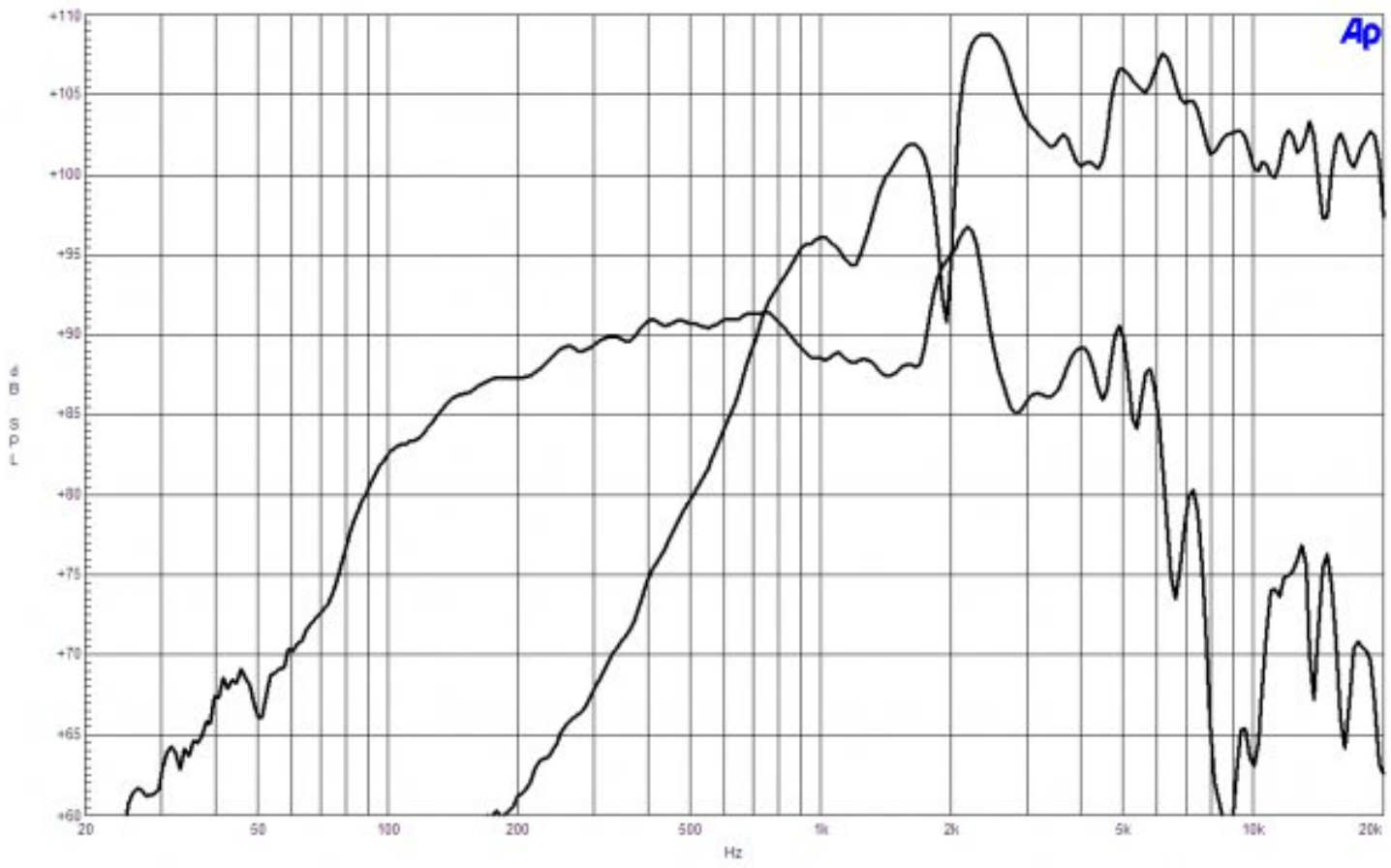
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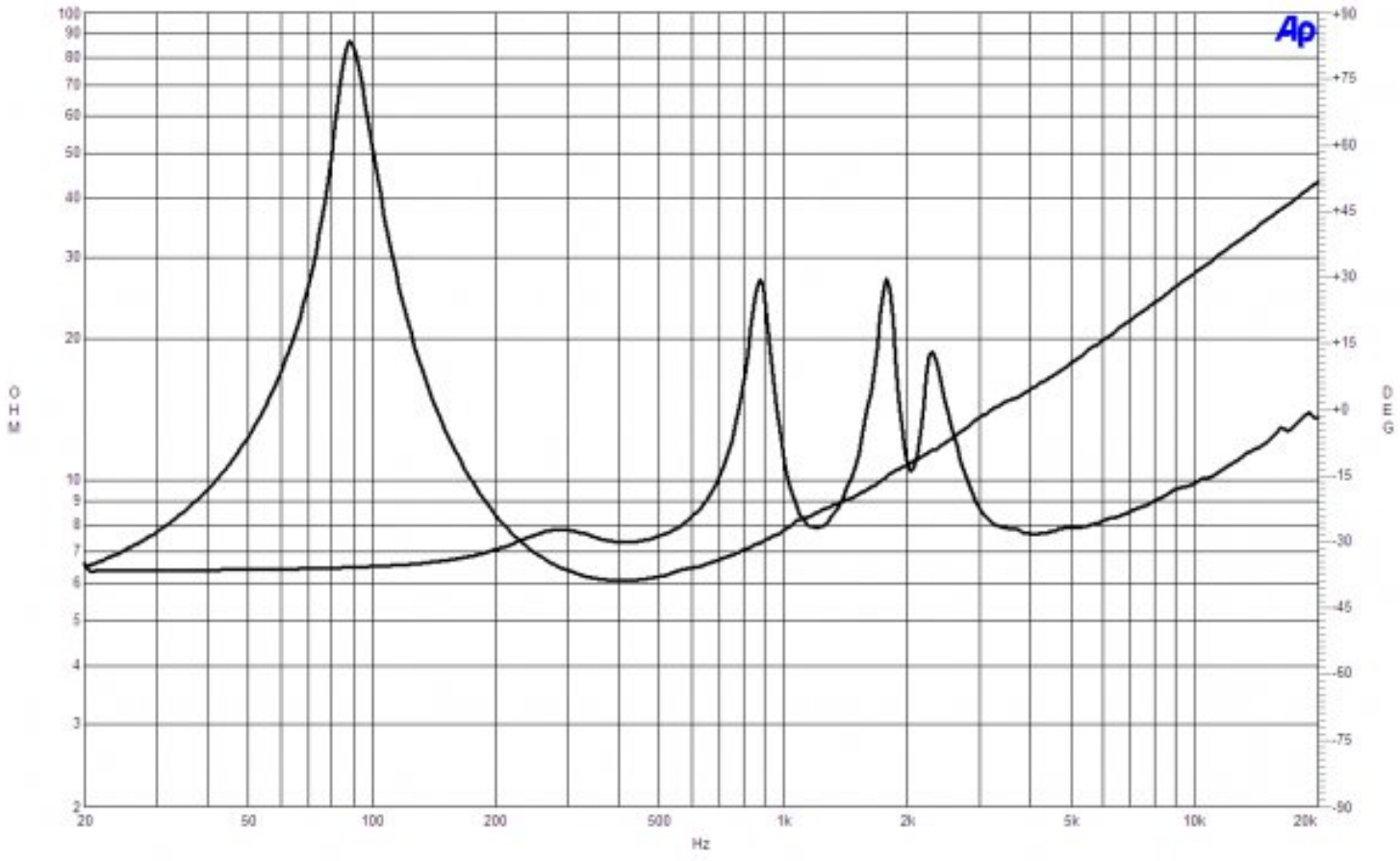
20
50
100
200
500
1k
2k
5k
10k
20k


OHM
DEG
Hz
20
50
100
200
500
1k
2k
5k
10k
20k

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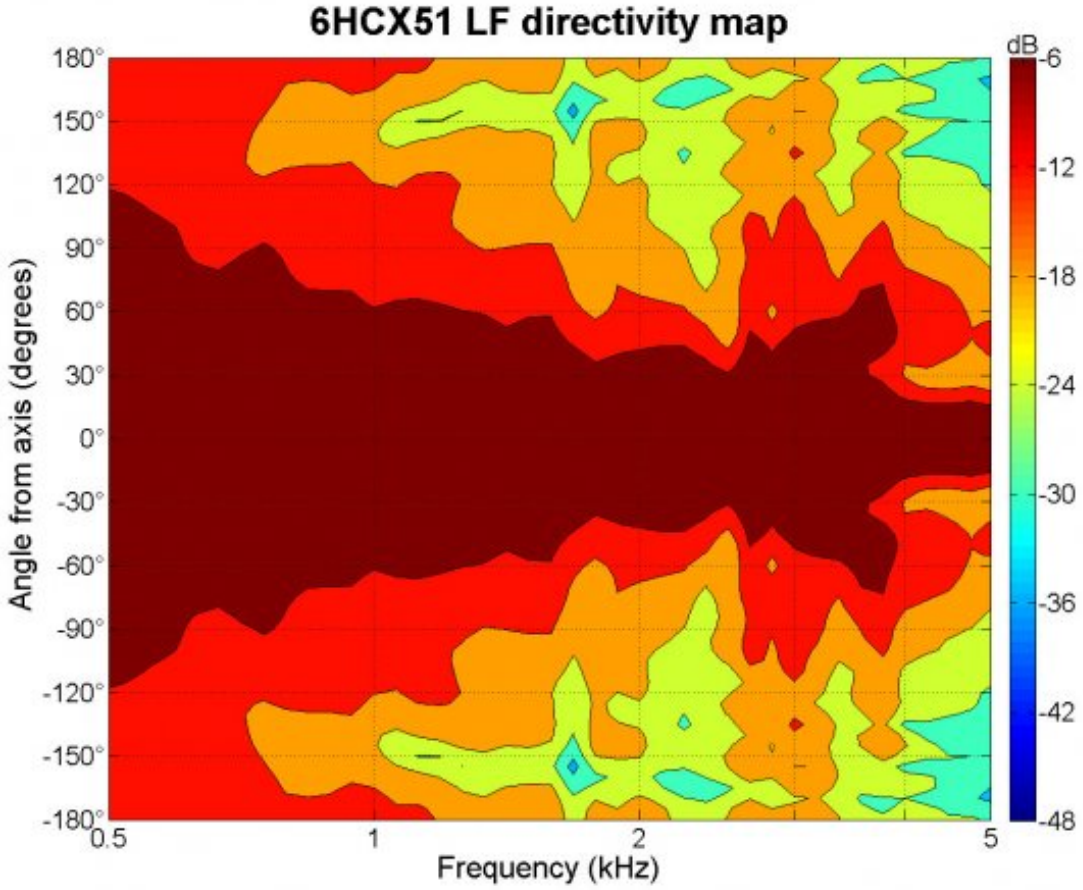

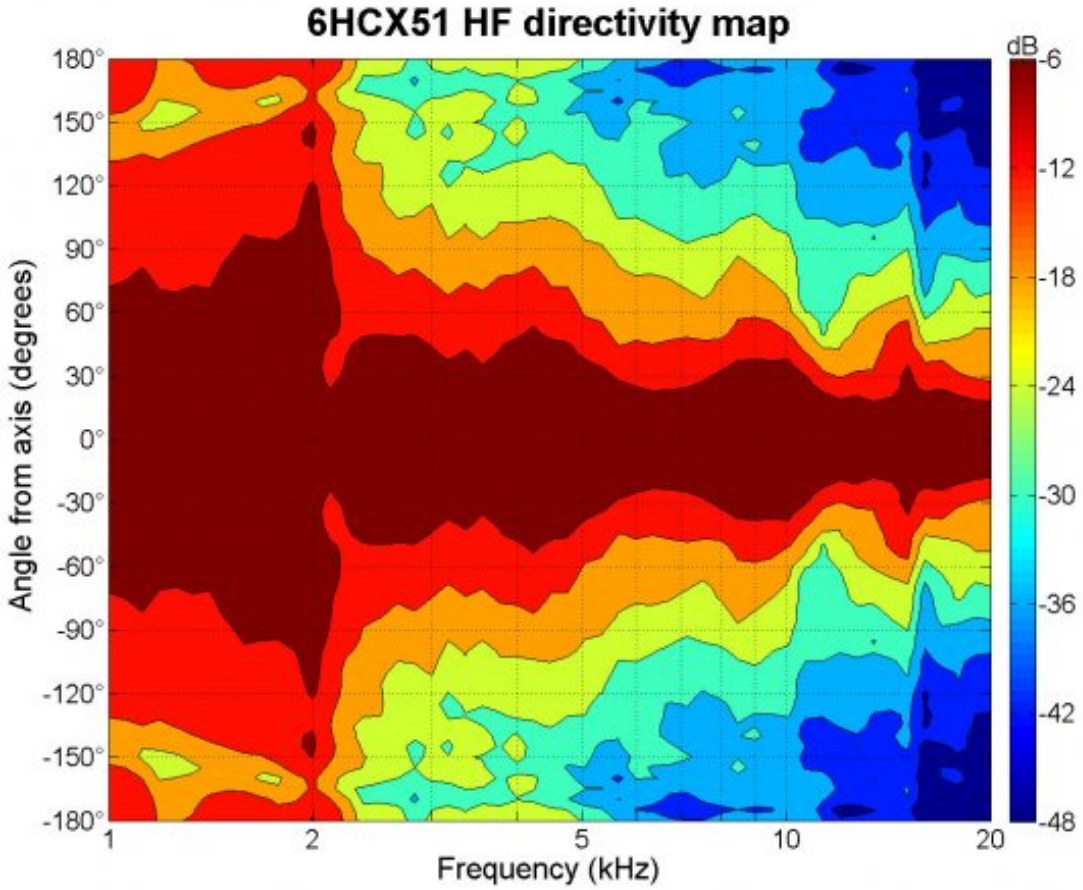

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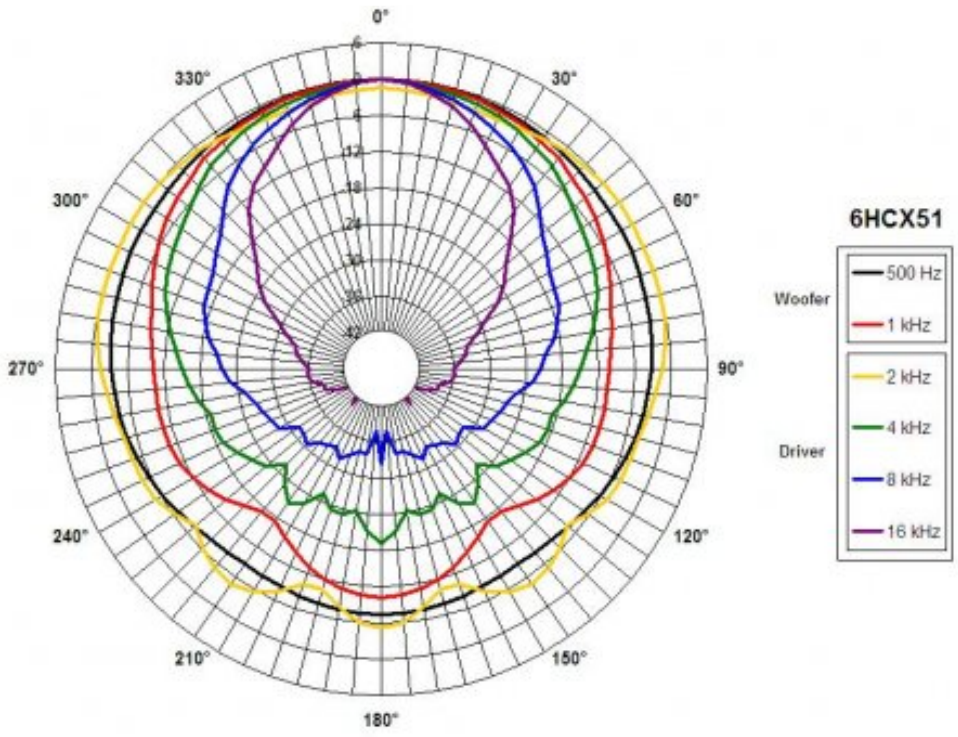

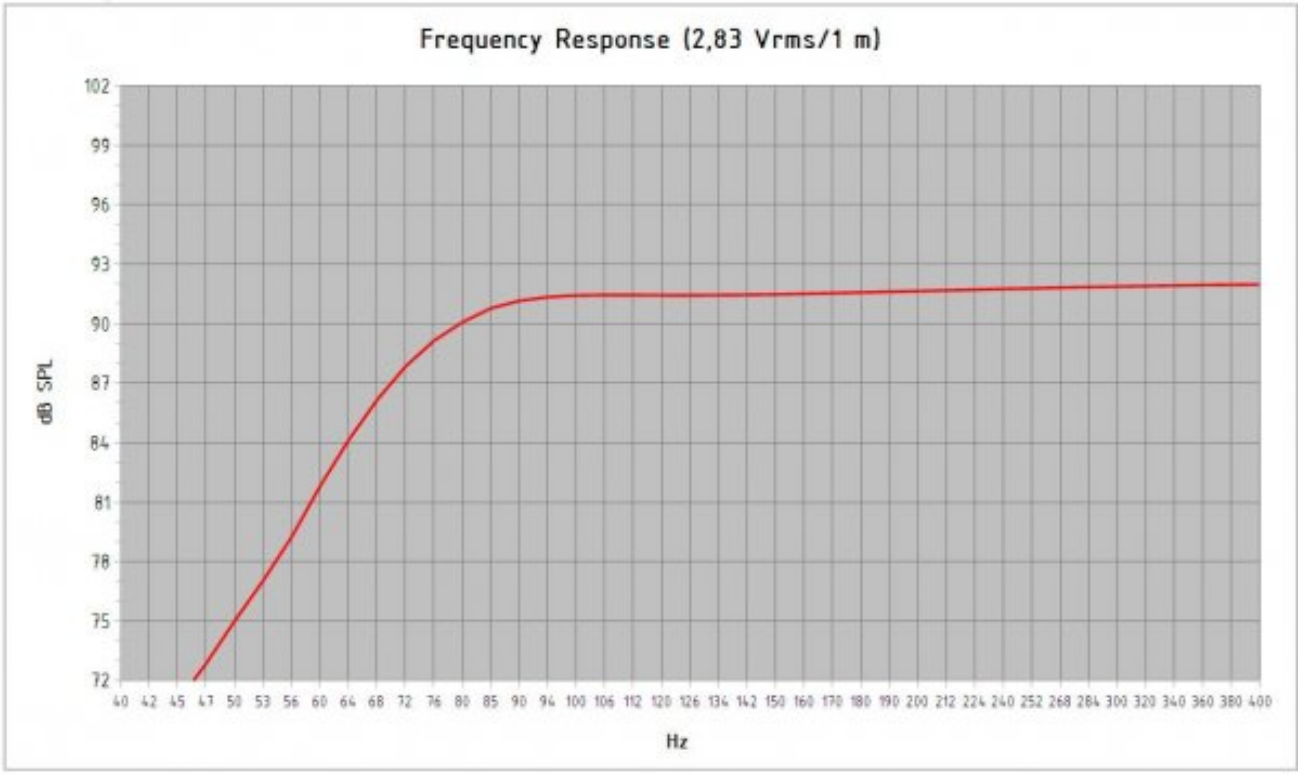

Model:	***6 HCX 51***				
Enclosure Type:	***Bass Reflex***				
Internal Net Volume (Liters):	***7***				
Tuning Frequency (Hz):	***80***	*Port Area (cm²):*	***30,4***		
Frequency (-3 dB) (Hz):	***76,0***	*Port Length (cm):*	***15,0***		
Excursion Limited Maximum SPL at 1 meter (dB):	***109,7***	*equal to*	***75,6***	*Watts*	*(Bass Band Power Rating)*
Thermal Limited Maximum SPL at 1 meter (dB):	***112,7***	*equal to*	***150,0***	*Watts*	*(Mid Band Power Rating)*

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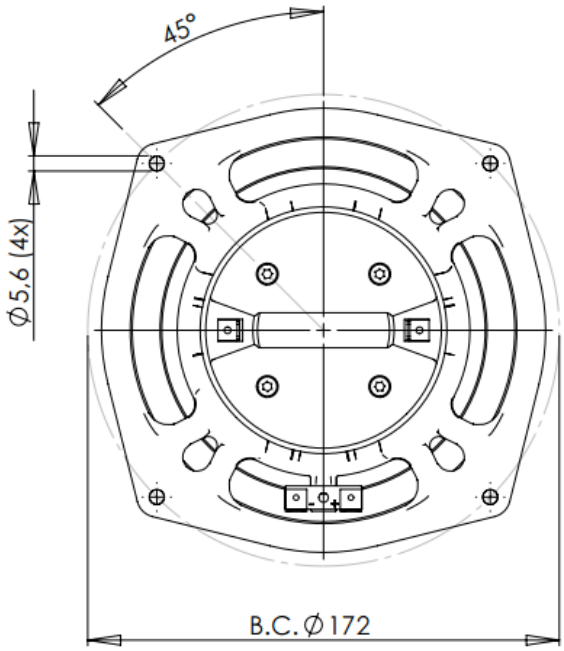

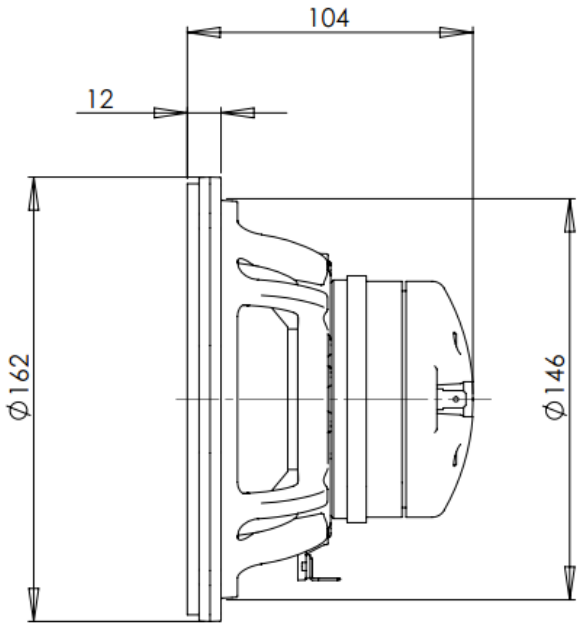

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