12CLX64 8 Ω

- 500 W continuous program power capacity
- 60° nominal coverage
- 54 - 18000 Hz response
- 96 dB sensitivity
- Single Neodymium magnet assembly
- Aluminum demodulating ring for very low distortion

The CLX series products incorporate a heavy-gauge metal basket construction paired with a cost-optimized single neodymium magnet motor design for enhanced structural integrity and efficiency. This coaxial solution combines a lightweight woofer with a high-fidelity HF driver, enabling balanced acoustic output across the frequency spectrum. This configuration minimizes overall system weight while maximizing performance metrics, allowing audio engineers to develop solutions with superior cost-to-performance ratios suitable for compact, high-value applications.





B&C Speakers S.p.A. Via Poggiomoro, 1 - Loc. Vallina, 50012 Bagno a Ripoli (FI) | ITALY
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GENERAL

Nominal Diameter	**320 mm (12 in)**
Nominal Impedance	**8 Ω**
Frequency Range	**54 Hz - 18000 Hz**
Dispersion Angle Included by –6 dB down points.	**60 °**

PARAMETERS

Fs	**54 Hz**
Re	**5.6 Ω**
Qes	**0.61**
Qms	**10.1**
Qts	**0.57**
Vas	**74 dm³ (2.61 ft³)**
Sd	**522 cm² (80.91 in²)**
η0	**1.82 %**
Xvar	**5.5 mm**
Mms	**45.3 g**
Bl	**11.86 Tm**
Le	**0.54 mH**
EBP	**89 Hz**

SPECIFICATIONS HF UNIT

Nominal Diameter	**320 mm (12 in)**
Nominal Impedance	**8 Ω**
Minimum Impedance	**7.8 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.	**70 W**
Continuous Power Handling Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	**140 W**
Sensitivity Applied RMS Voltage is set to 2.83V.	**106 dB**
Recommended Crossover 12 dB/oct. or higher slope high-pass filter.	**1.2 kHz**
Voice Coil Diameter	**51 mm (2 in)**
Winding Material	**Aluminum**
Inductance	**0.14 mH**
Flux Density	**1.6 T**
Diaphragm Material	**HT Polymer**

SPECIFICATIONS LF UNIT

Nominal Diameter	**320 mm (12 in)**
Nominal Impedance	**8 Ω**
Minimum Impedance	**6.6 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.	**250 W**
Continuous Power Handling Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	**500 W**
Sensitivity Applied RMS Voltage is set to 2.83V.	**96 dB**
Voice Coil Diameter	**64 mm (2.5 in)**
Winding Material	**Copper**
Former Material	**Kapton**
Winding Depth	**14.5 mm (0.57 in)**
Magnetic Gap Depth	**8 mm (0.31 in)**
Flux Density	**0.9 T**
Woofer Cone Treatment	**WP Waterproof Front Side**

DESIGN

Magnet Material	**Neodymium Ring**
Woofer Cone Treatment	**WP Waterproof Front Side**

MOUNTING AND SHIPPING INFO

Overall Diameter	**313 mm (12.32 in)**
Bolt Circle Diameter	**298 mm (11.73 in)**
Baffle Cutout Diameter	**282 mm (11.1 in)**
Depth	**164 mm (6.46 in)**
Flange and Gasket Thickness	**9 mm (0.35 in)**
Net Weight	**3.2 kg (7.05 lb)**
Shipping Units	**1 pcs**
Shipping Weight	**4.5 kg (9.92 lb)**
Shipping Box	**425x425x224 mm (16.73x16.73x8.82 in)**

CROSSOVER

FBCLX64	**8Ω**

SERVICE KITS

HF replacement-diaphragm	**MMD5508**
LF recone-kits	**RCK12CLX648**

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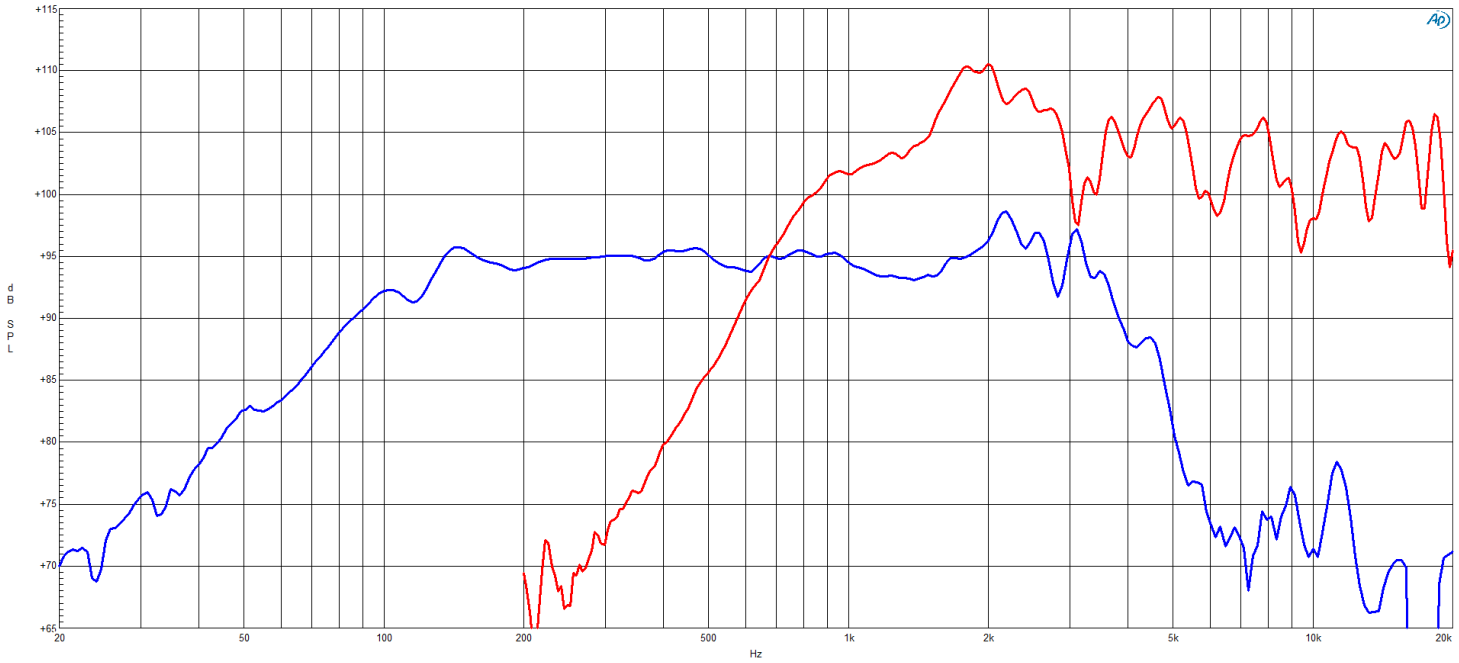
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+105
+100
+95
+90
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+80
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20
50
100
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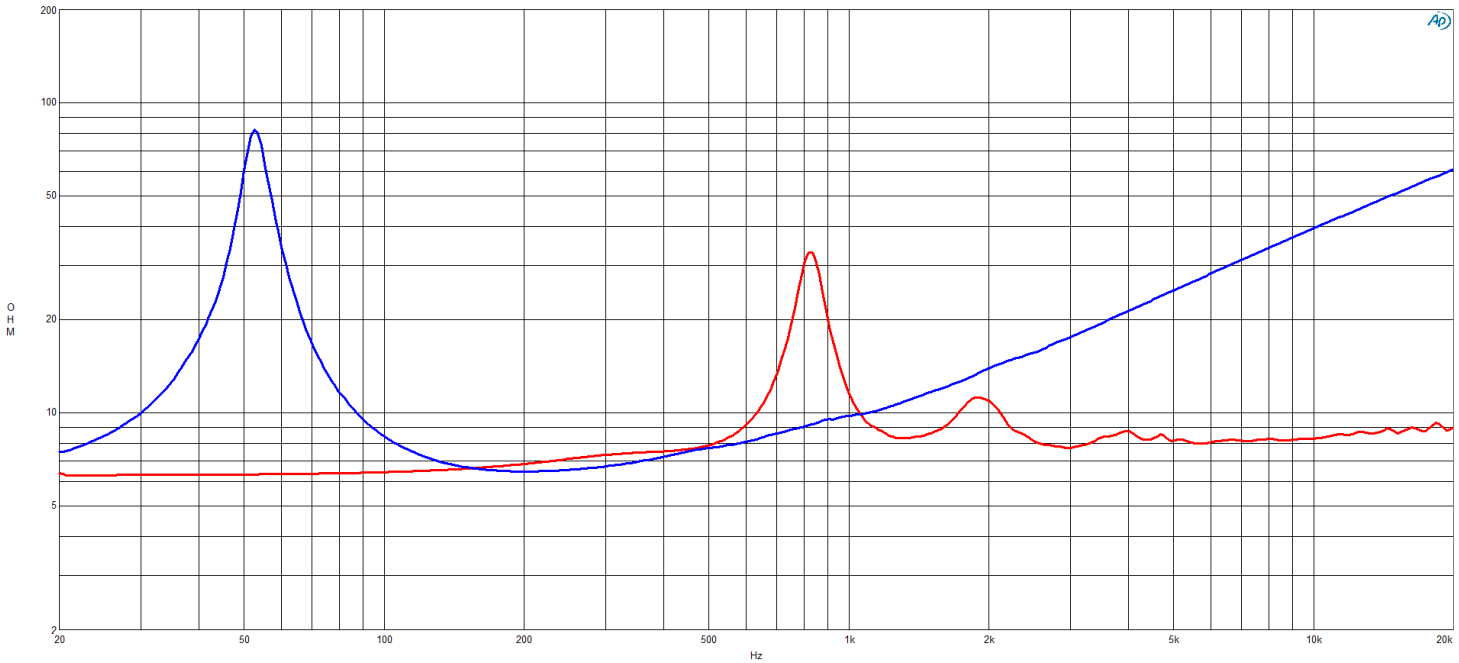
1k
2k
5k
10k
20k
Hz


OHM
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100
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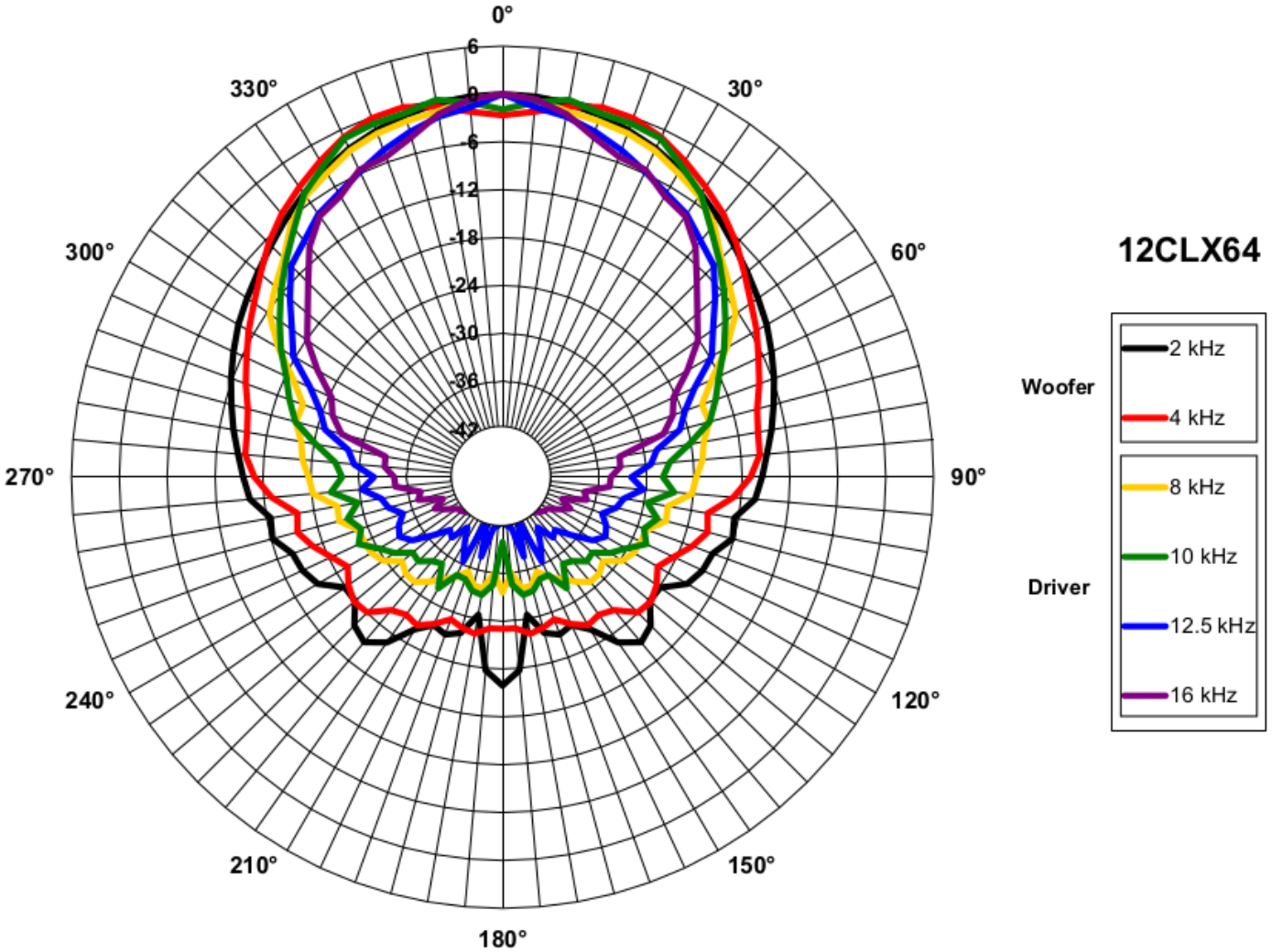
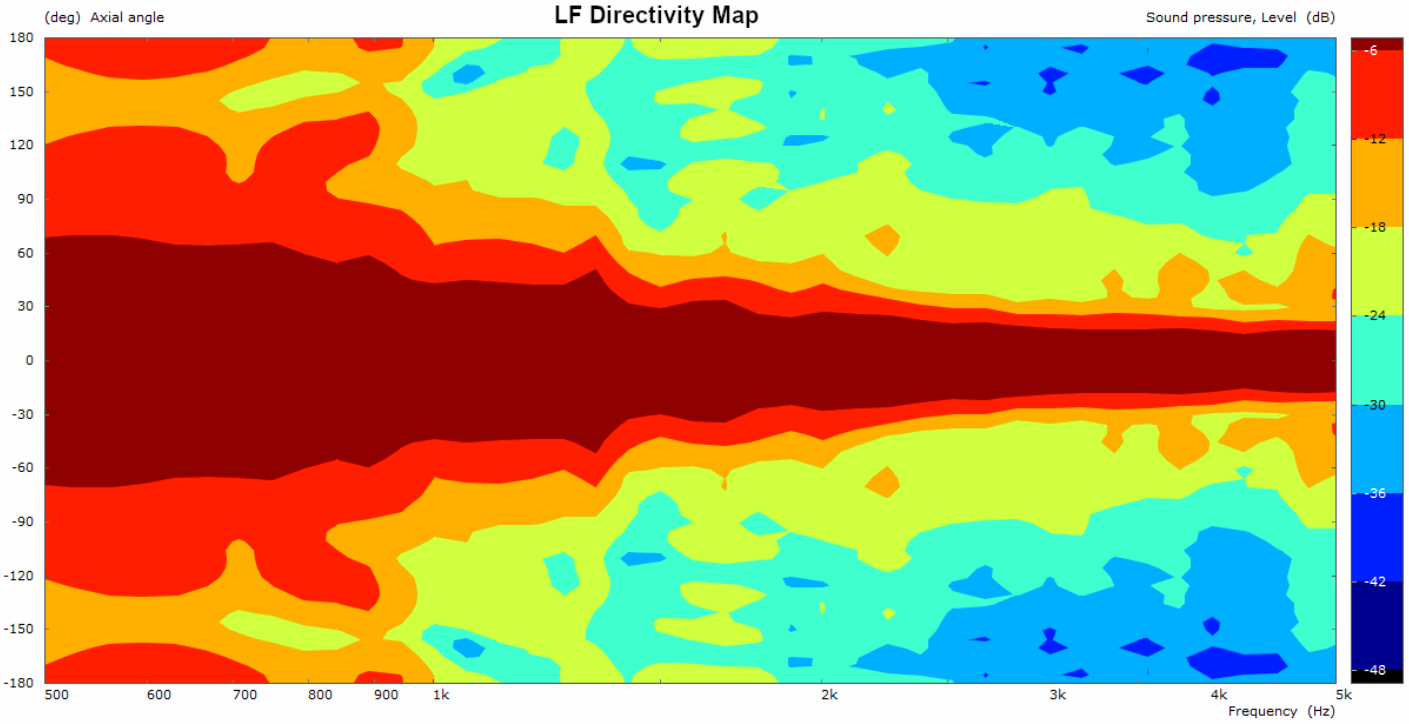
Hz

12CLX64 8 Ω





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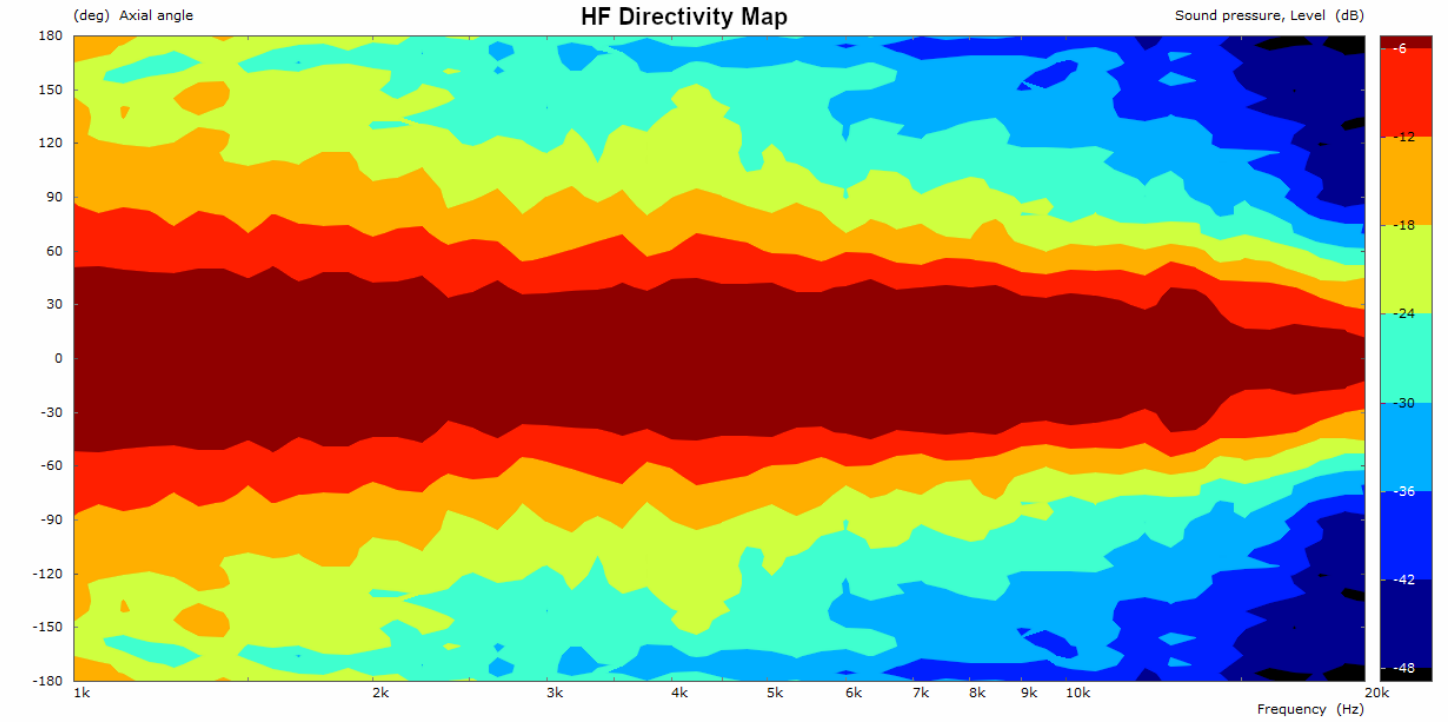

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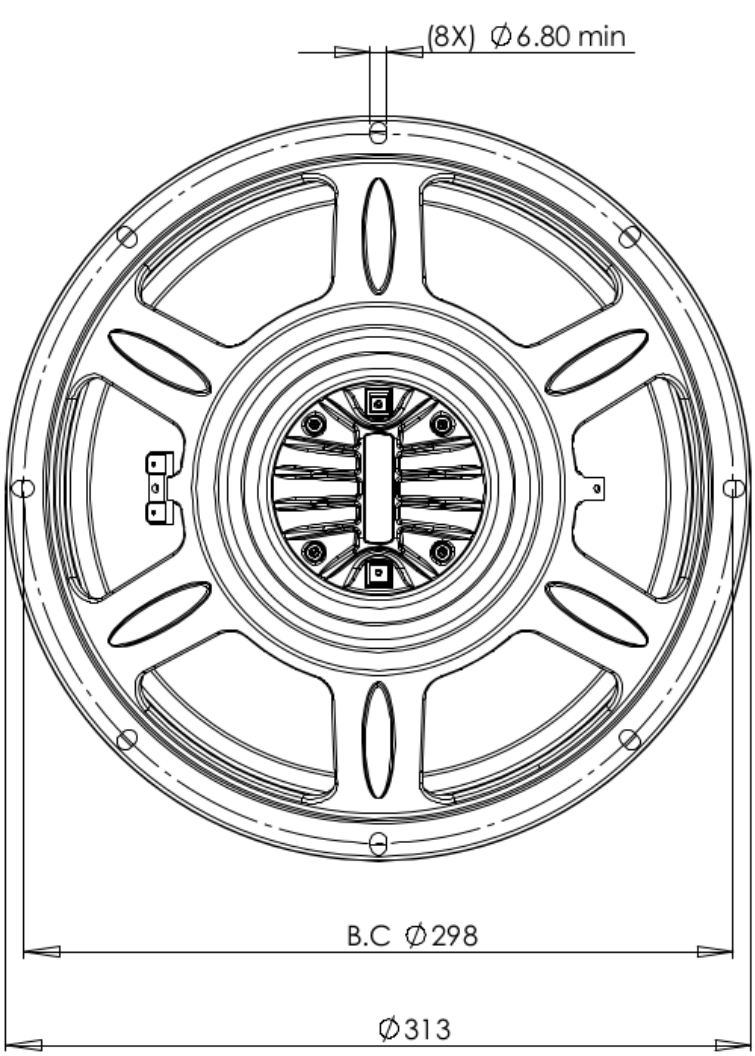

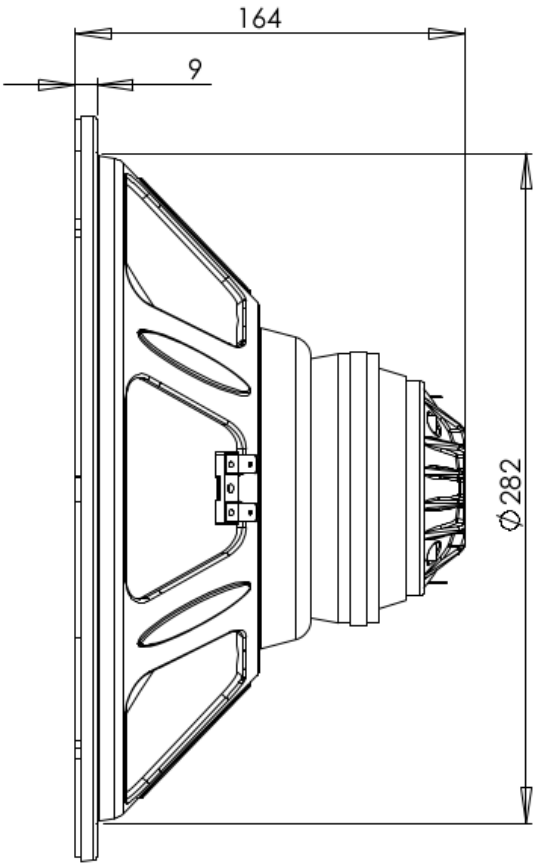

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