10CXN64 8 Ω

- 500 W continuous program power capacity
- 70° nominal coverage
- 70 - 18000 Hz response
- 97 dB sensitivity
- Single Neodymium magnet assembly
- Aluminium demodulating ring allows a very low distortion figure

Continuing our never-ending quest for higher output, we now offer our popular single neodymium magnet coaxials with larger voice coils for increased power handling. A significant increase in magnet mass also improves sensitivity and cone control, while integrating our latest compression driver technologies improves sound quality and durability in the HF as well. For high output applications where fidelity at maximum SPL is the primary concern, consider the 10CXN64 with 2.5” LF & HF voice coils. Power handling has increased to 500W, while also improving nearly every other parameter (including Xvar) relative to our established 10" coax models.





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GENERAL

Nominal Diameter	**250 mm (10 in)**
Nominal Impedance	**8 Ω**
Frequency Range	**70 Hz - 18000 Hz**
Dispersion Angle Included by –6 dB down points.	**70 °**

PARAMETERS

Fs	**68 Hz**
Re	**5.6 Ω**
Qes	**0.33**
Qms	**5.6**
Qts	**0.31**
Vas	**23 dm³ (0.81 ft³)**
Sd	**320 cm² (49.6 in²)**
η0	**2.2 %**
Xvar	**5 mm**
Mms	**33.5 g**
Bl	**15.8 Tm**
Le	**1.1 mH**
EBP	**206 Hz**

SPECIFICATIONS HF UNIT

Nominal Diameter	**250 mm (10 in)**
Nominal Impedance	**8 Ω**
Minimum Impedance	**7 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.	**80 W**
Continuous Power Handling Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	**160 W**
Sensitivity Applied RMS Voltage is set to 2.83V.	**103 dB**
Recommended Crossover 12 dB/oct. or higher slope high-pass filter.	**1.2 kHz**
Voice Coil Diameter	**65 mm (2.5 in)**
Winding Material	**CCAW**
Inductance	**0.15 mH**
Flux Density	**1.75 T**
Diaphragm Material	**Titanium**

SPECIFICATIONS LF UNIT

Nominal Diameter	**250 mm (10 in)**
Nominal Impedance	**8 Ω**
Minimum Impedance	**6.7 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.	**97 dB**
Voice Coil Diameter	**64 mm (2.5 in)**
Winding Material	**Copper**
Former Material	**Kapton**
Winding Depth	**15 mm (0.59 in)**
Magnetic Gap Depth	**9 mm (0.35 in)**
Flux Density	**1.1 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	**261 mm (10.28 in)**
Bolt Circle Diameter	**245 mm (9.65 in)**
Baffle Cutout Diameter	**233 mm (9.17 in)**
Depth	**142 mm (5.59 in)**
Flange and Gasket Thickness	**13 mm (0.51 in)**
Net Weight	**3.95 kg (8.71 lb)**
Shipping Units	**1 pcs**
Shipping Weight	**4.85 kg (10.69 lb)**
Shipping Box	**360x360x200 mm (14.17x14.17x7.87 in)**

CROSSOVER

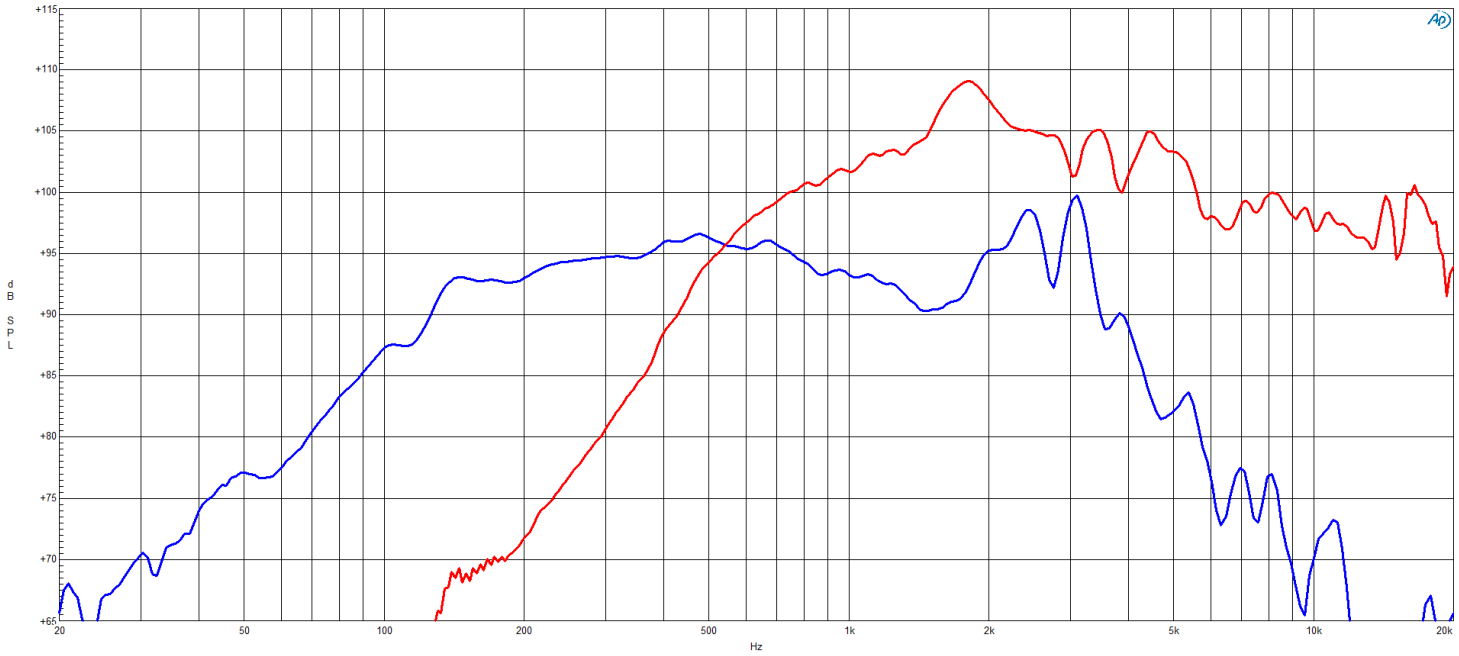
FB10CX64	**8Ω**

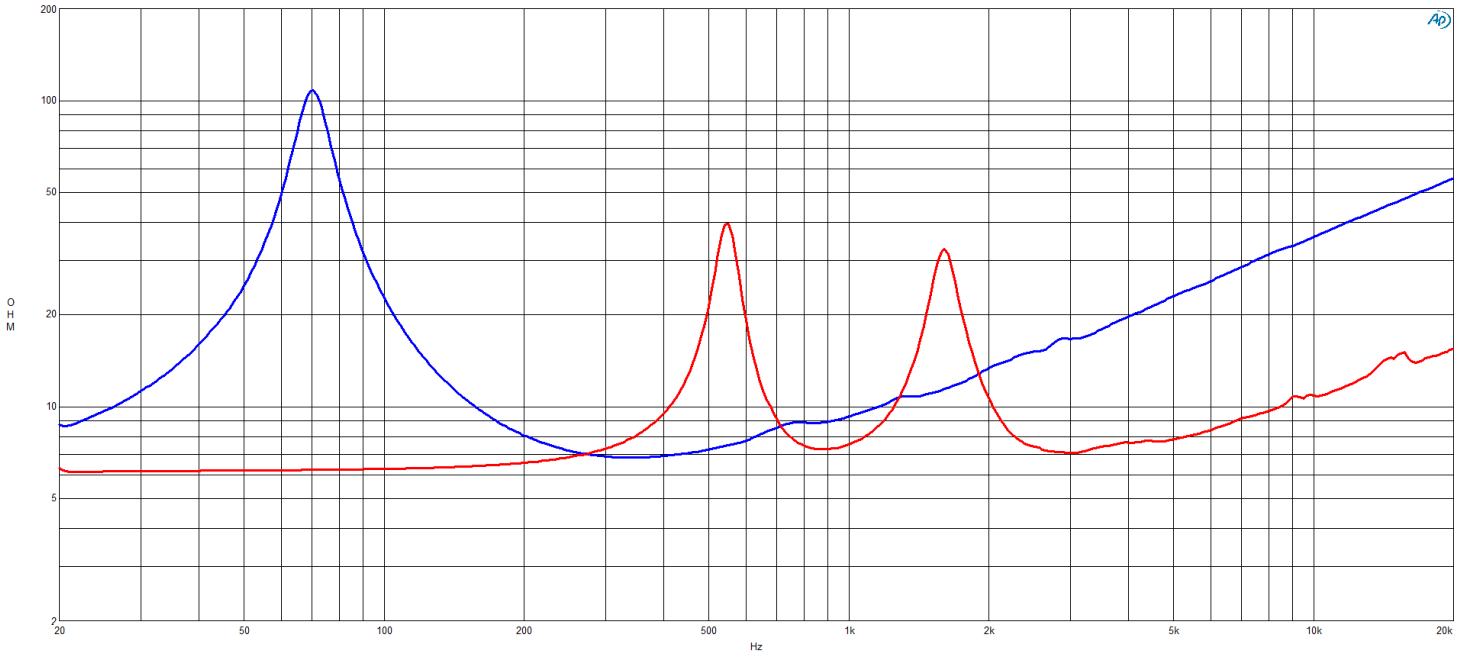
SERVICE KITS

HF replacement-diaphragm	**MMD620TN8M**
LF recone-kits	**RCK10CXN648**

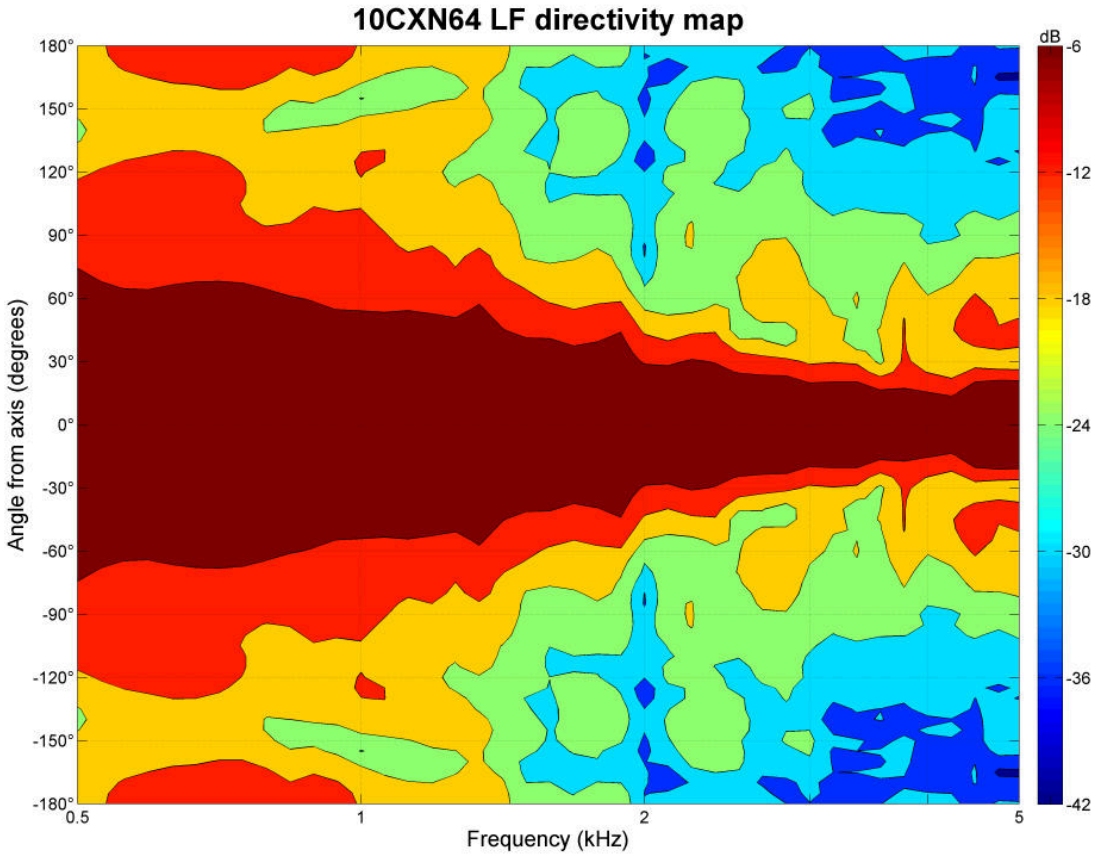
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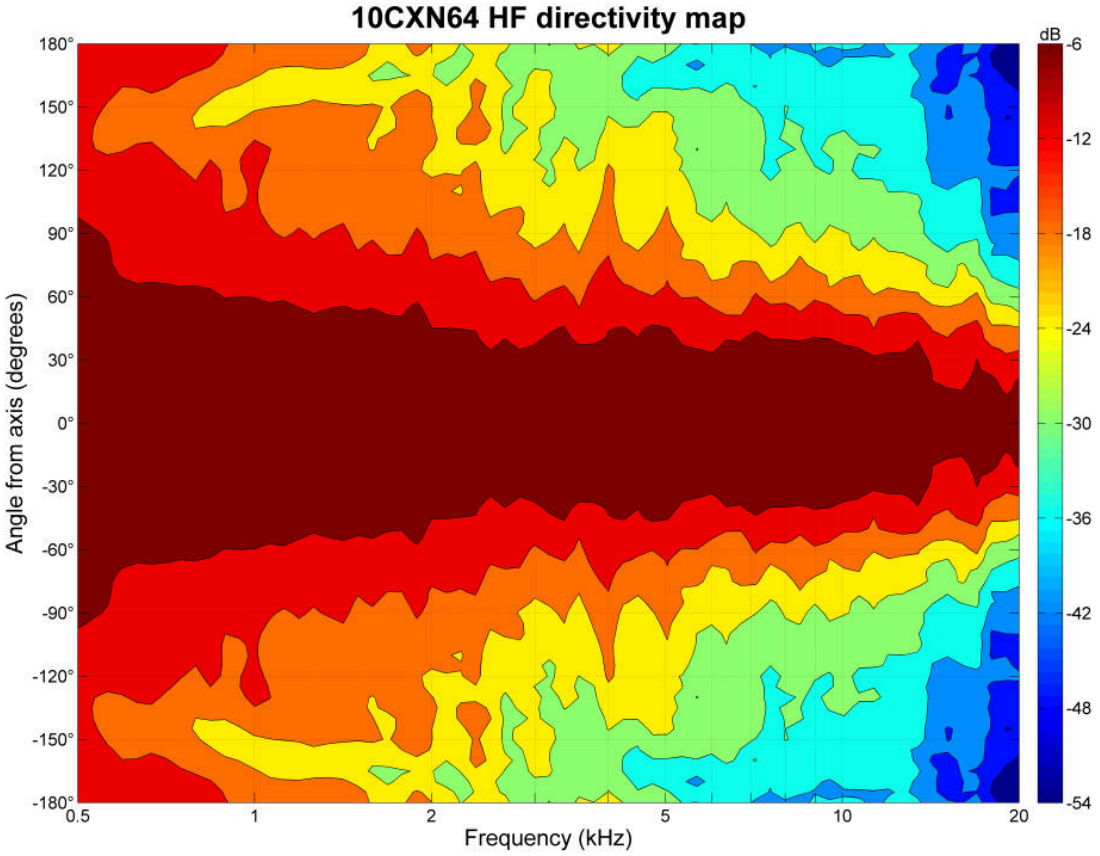
10CXN64 8 Ω


dB SPL
+115
+110
+105
+100
+95
+90
+85
+80
+75
+70
+65
20
50
100
200
500
1k
2k
5k
10k
20k
Hz


OHM
200
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500
1k
2k
5k
10k
20k
Hz

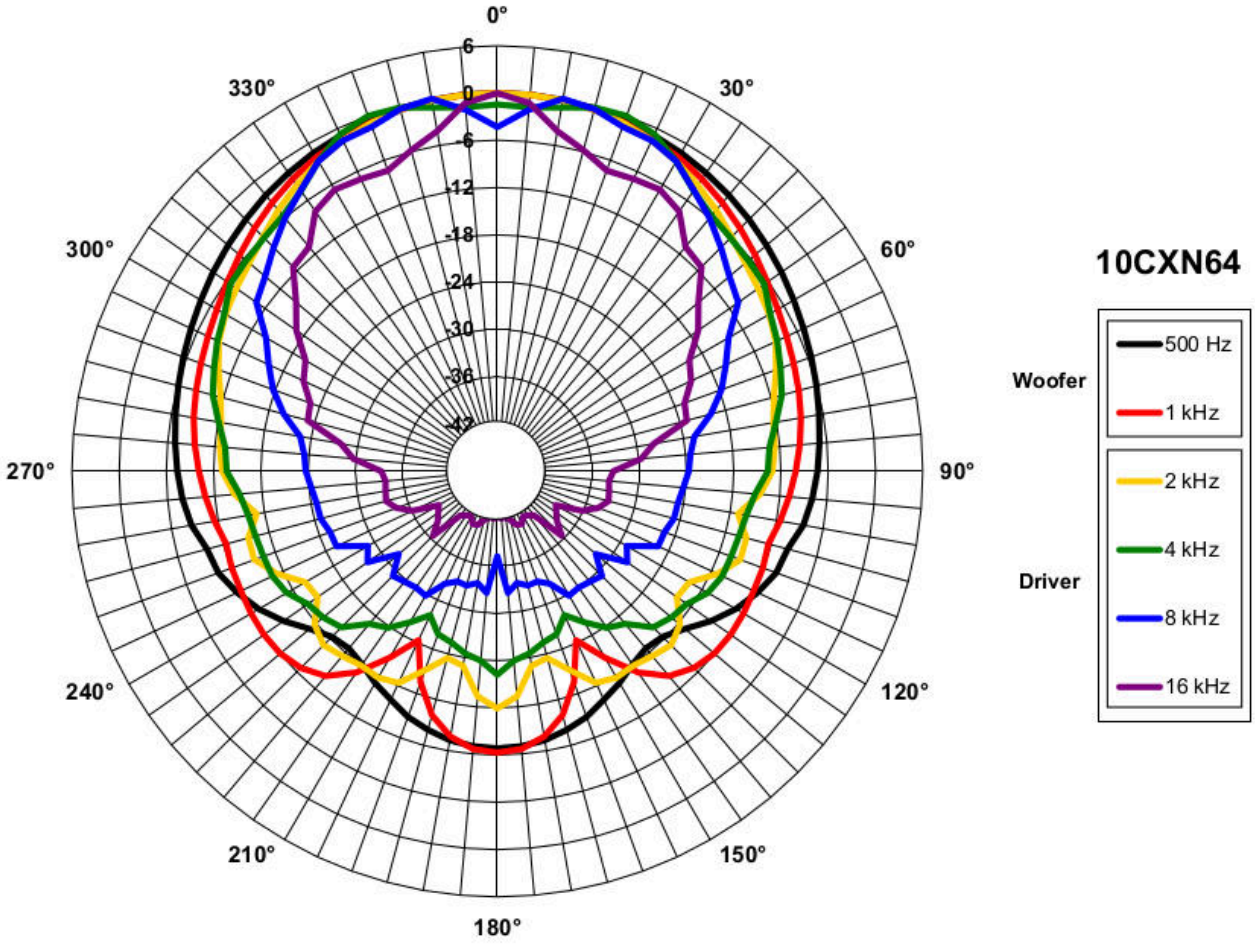
10CXN64 8 Ω



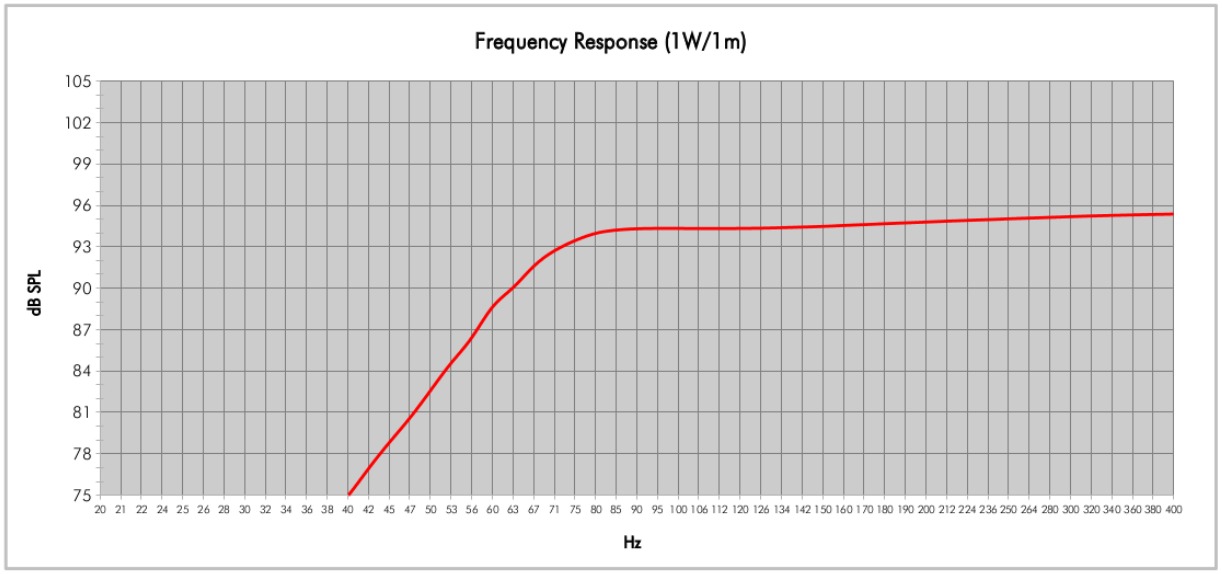


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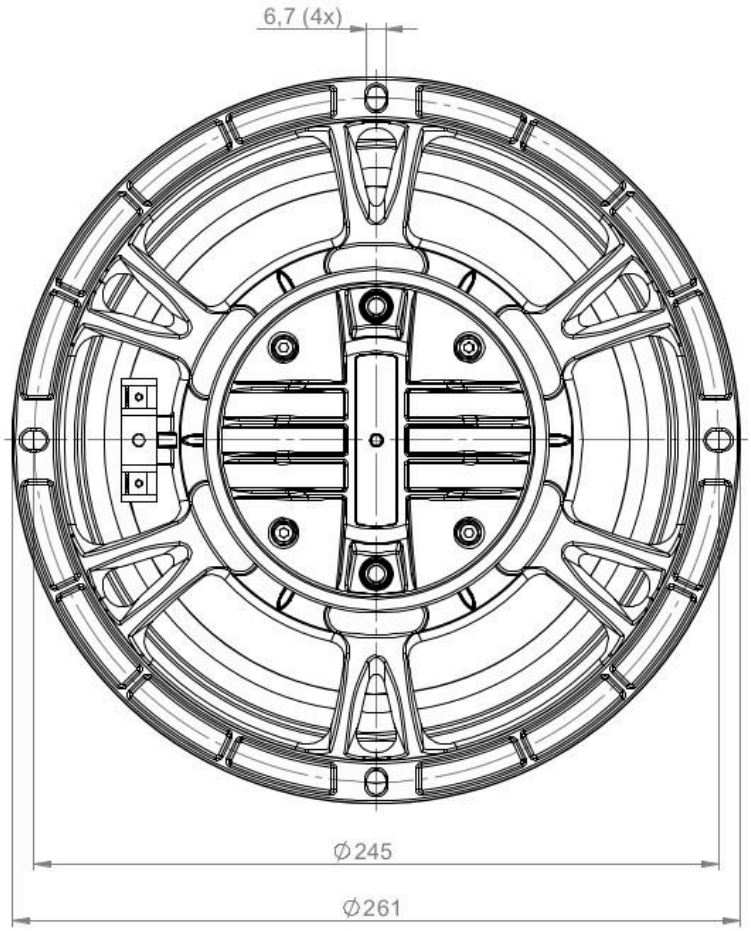
B&C SPEAKERS

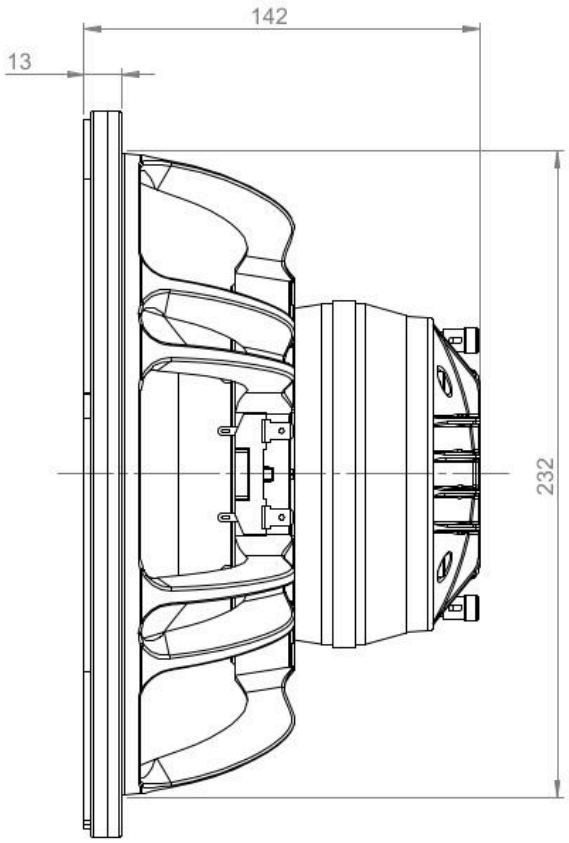


Model:	10CXN64		
Enclosure Type:	Bass Reflex	Configuration:	One Driver
Internal Net Volume (Litres):	21	QB:	7
Tuning Frequency (Hz):	70	Port Area (cm²):	90,0
Frequency (-3 dB) (Hz):	70,8	Port Length (cm):	17,0
Frequency (-10 dB) (Hz):	54,8		

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