4MCX36 8 Ω

- 8 ohm LF unit, 16 ohm HF unit
- 200 W continuous program power capacity
- 70° nominal coverage
- 150 - 18000 Hz response
- 87 dB sensitivity
- Neodymium magnet allows a very light yet powerful motor assembly
- Aluminium demodulating ring allows a very low distortion figure

Unique to B&C, a complete lineup of high sensitivity and power handling 4", 5" and 6.5" frame transducers. These high technology products are made with our famously critical quality control, allowing new compact loudspeaker designs with appropriately scaled performance.

Combined with a 1.4" dome compression driver, the unique 4MCX36 uses a higher Fs woofer than the standard 4CXN36, for applications where more mid bass and less low frequency is required. The 4MCX36 offers 150 - 18000Hz frequency response and a 70° conical coverage pattern.





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

Nominal Diameter	**100 mm (4 in)**
Nominal Impedance	**8 Ω**
Frequency Range	**150 Hz - 18000 Hz**
Dispersion Angle Included by –6 dB down points.	**70 °**

PARAMETERS

Fs	**150 Hz**
Re	**5.6 Ω**
Qes	**1.2**
Qms	**3.9**
Qts	**0.91**
Vas	**0.8 dm³ (0.03 ft³)**
Sd	**56 cm² (8.68 in²)**
η0	**0.22 %**
Xvar	**3 mm**
Mms	**6.2 g**
Bl	**5.27 Tm**
Le	**0.87 mH**
EBP	**125 Hz**

SPECIFICATIONS HF UNIT

Nominal Diameter	**100 mm (4 in)**
Nominal Impedance	**16 Ω**
Minimum Impedance	**10.2 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 4V.	**102 dB**
Recommended Crossover 12 dB/oct. or higher slope high-pass filter.	**2 kHz**
Voice Coil Diameter	**36 mm (1.42 in)**
Winding Material	**Aluminium**
Inductance	**0.14 mH**
Flux Density	**1.65 T**
Diaphragm Material	**HT Polymer**

SPECIFICATIONS LF UNIT

Nominal Diameter	**100 mm (4 in)**
Nominal Impedance	**8 Ω**
Minimum Impedance	**6.8 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.	**100 W**
Continuous Power Handling Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	**200 W**
Sensitivity Applied RMS Voltage is set to 2.83V.	**87 dB**
Voice Coil Diameter	**34 mm (1.3 in)**
Winding Material	**Copper**
Former Material	**Glass Fibre**
Winding Depth	**11 mm (0.43 in)**
Magnetic Gap Depth	**6 mm (0.24 in)**
Flux Density	**0.74 T**
Woofer Cone Treatment	**WP Waterproof Front Side**

DESIGN

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

MOUNTING AND SHIPPING INFO

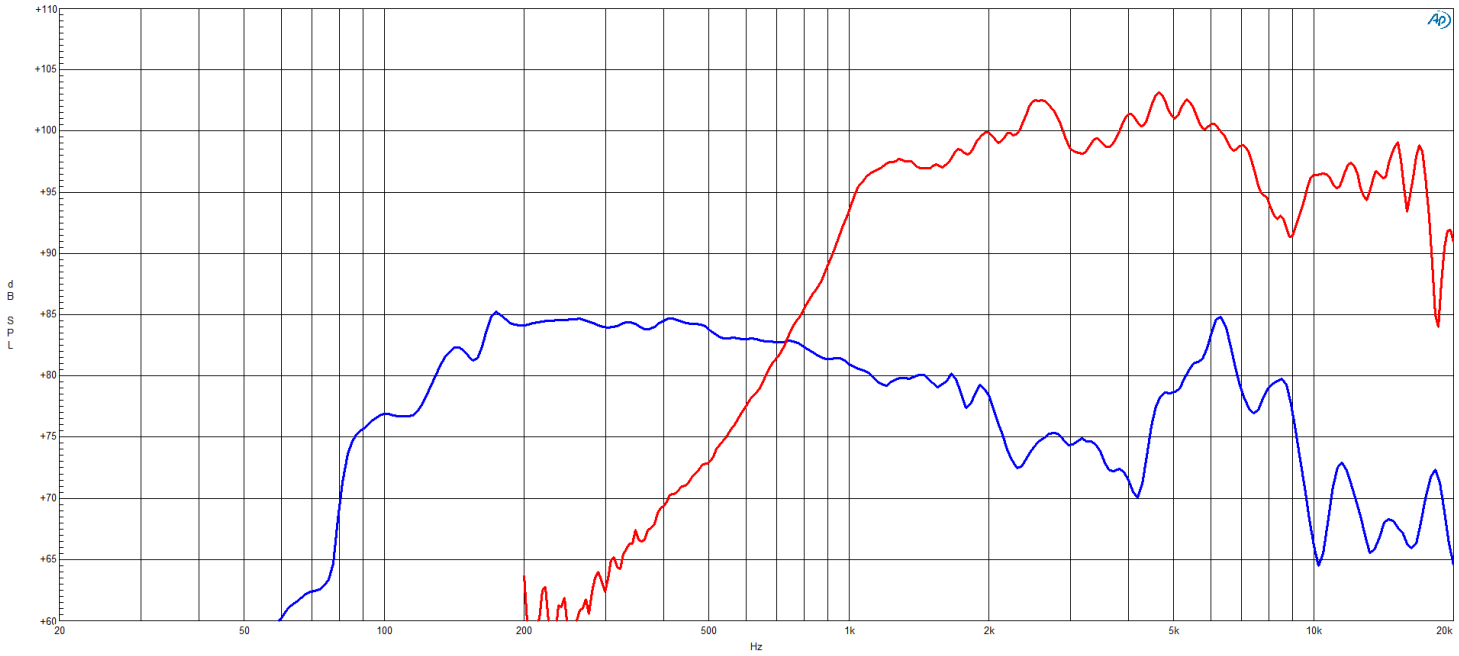
Overall Diameter	**127 mm (5 in)**
Bolt Circle Diameter	**114 mm (4.51 in)**
Baffle Cutout Diameter	**103 mm (4.06 in)**
Depth	**83 mm (3.27 in)**
Flange and Gasket Thickness	**2 mm (0.08 in)**
Net Weight	**0.55 kg (1.21 lb)**
Shipping Units	**1 pcs**
Shipping Weight	**0.67 kg (1.48 lb)**
Shipping Box	**120x117x110 mm (4.72x4.61x4.33 in)**

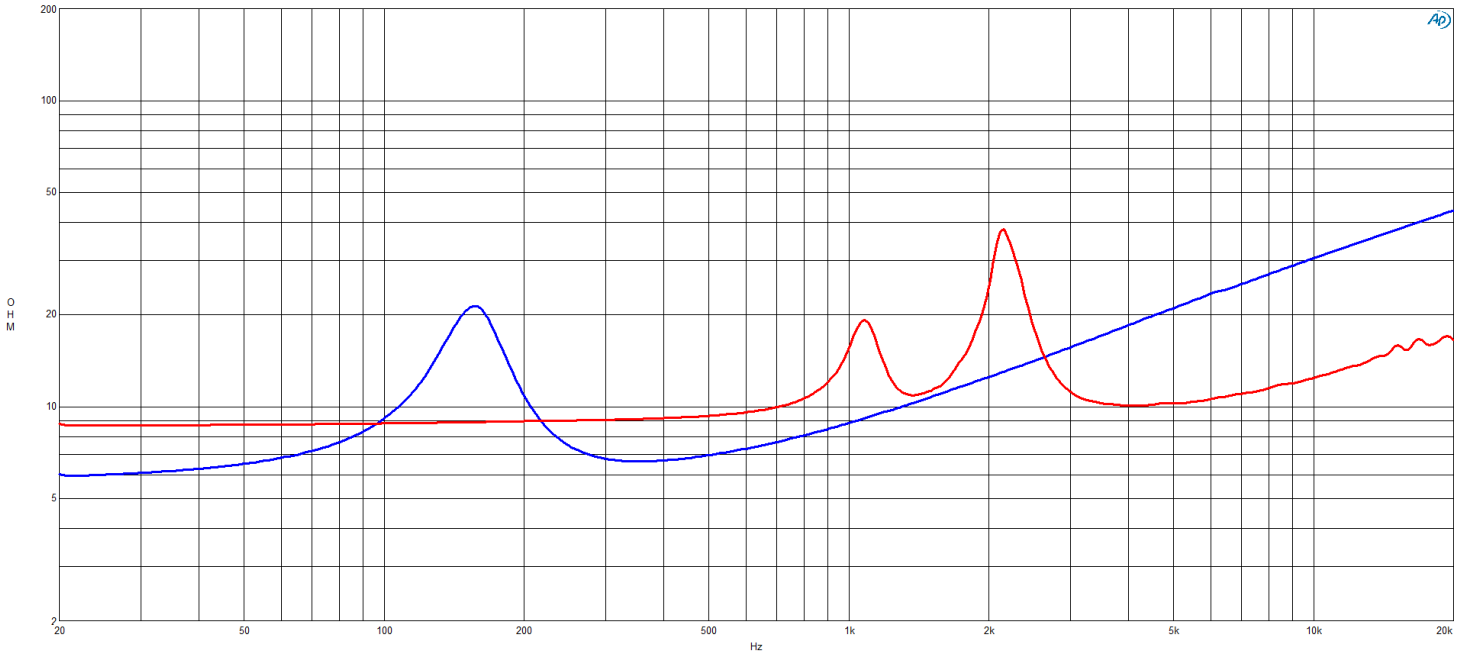
SERVICE KITS

HF replacement-diaphragm	**MMDDE11016**

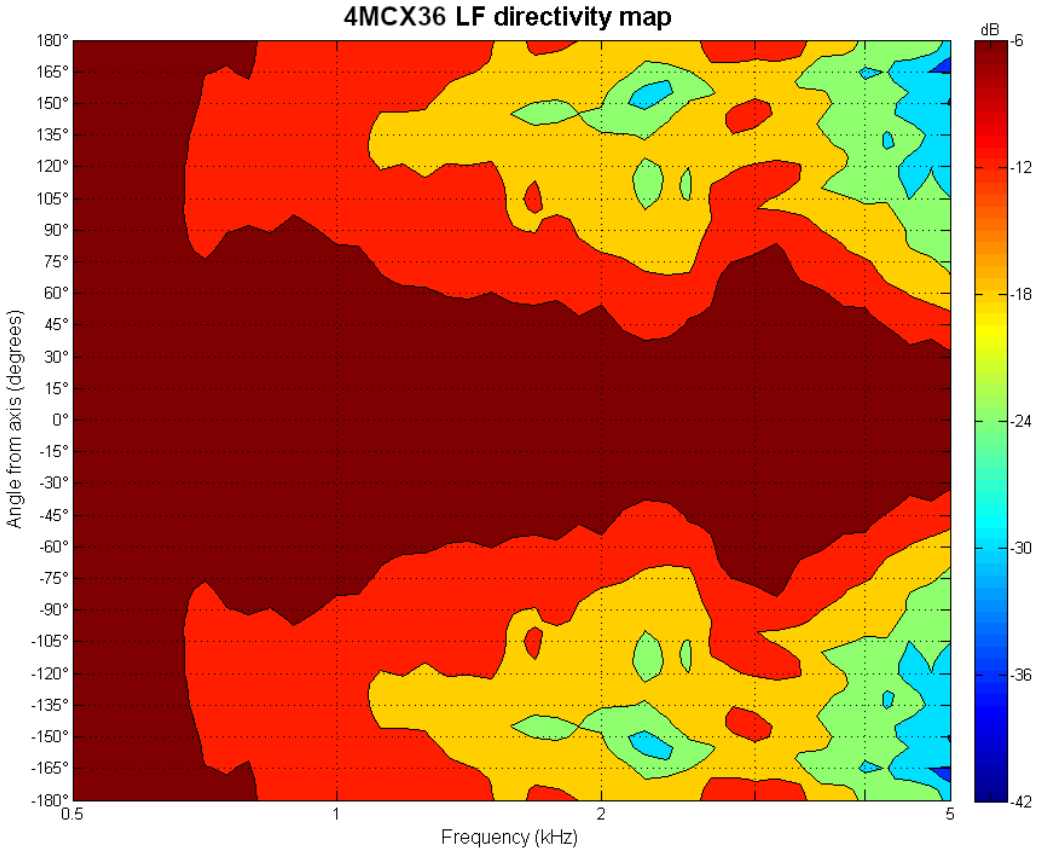
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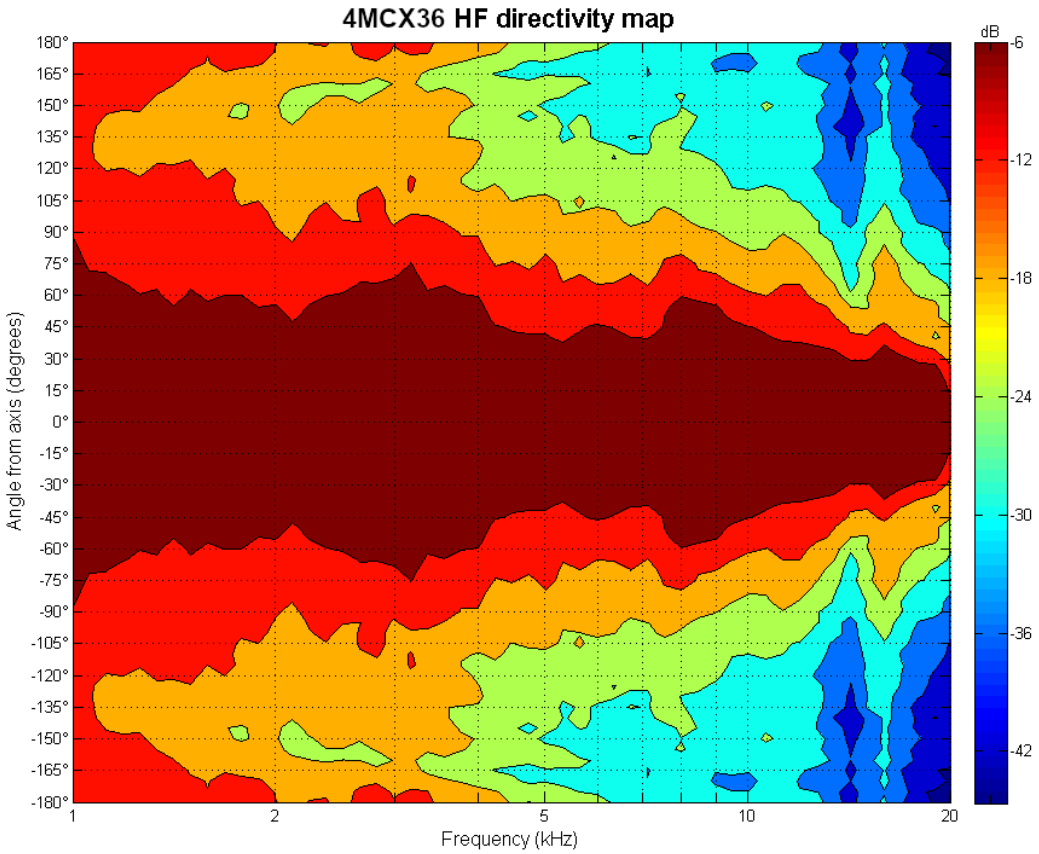
4MCX36 8 Ω


+110
+105
+100
+95
+90
+85
+80
+75
+70
+65
+60
dB SPL
20
50
100
200
500
1k
2k
5k
10k
20k
Hz

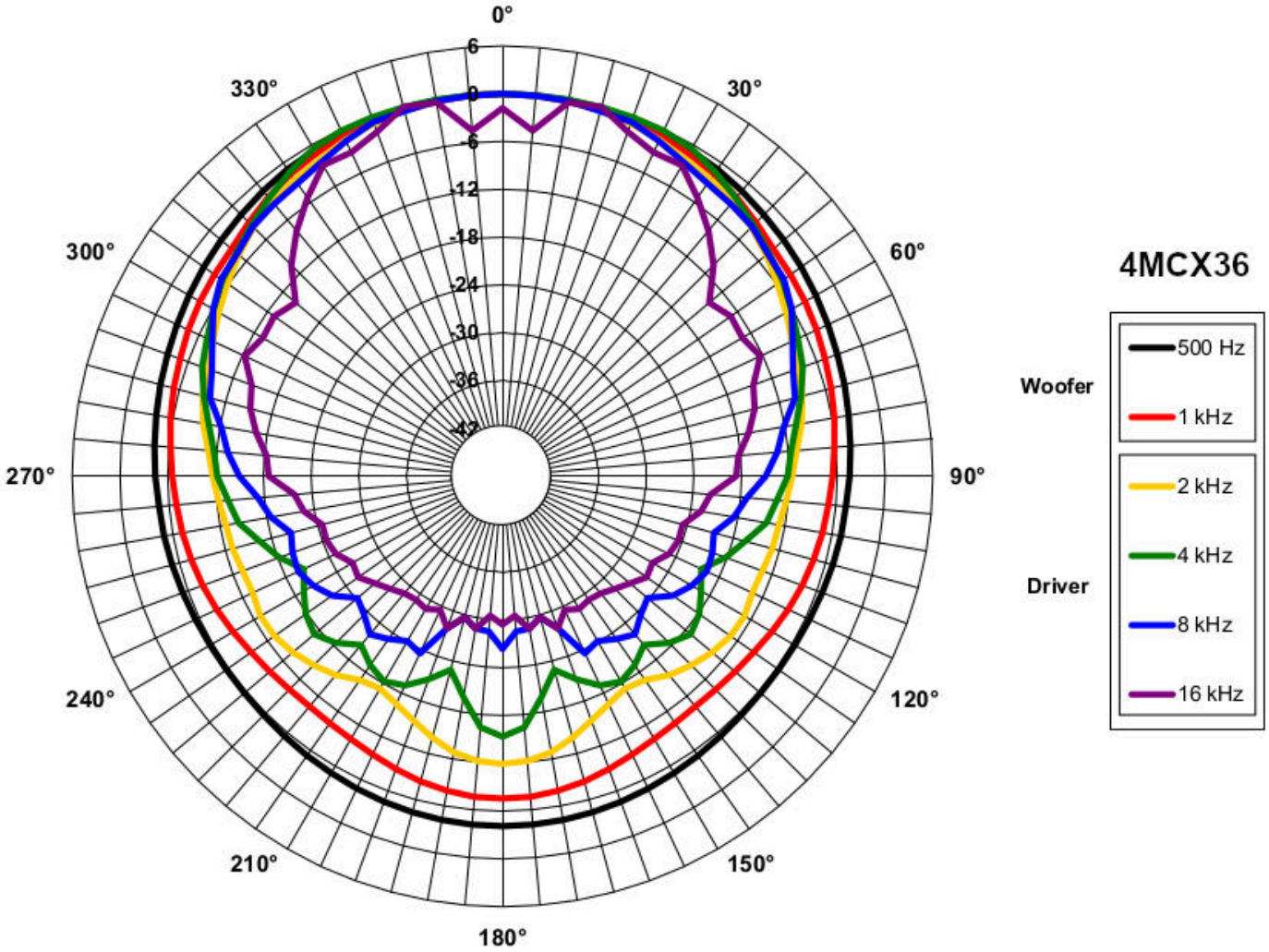

200
100
50
20
10
5
2
OHM
20
50
100
200
500
1k
2k
5k
10k
20k
Hz

4MCX36 8 Ω


4MCX36 LF directivity map
Angle from axis (degrees)
180°
165°
150°
135°
120°
105°
90°
75°
60°
45°
30°
15°
0°
-15°
-30°
-45°
-60°
-75°
-90°
-105°
-120°
-135°
-150°
-165°
-180°
0.5
1
2
5
Frequency (kHz)
dB
-6
-12
-18
-24
-30
-36
-42

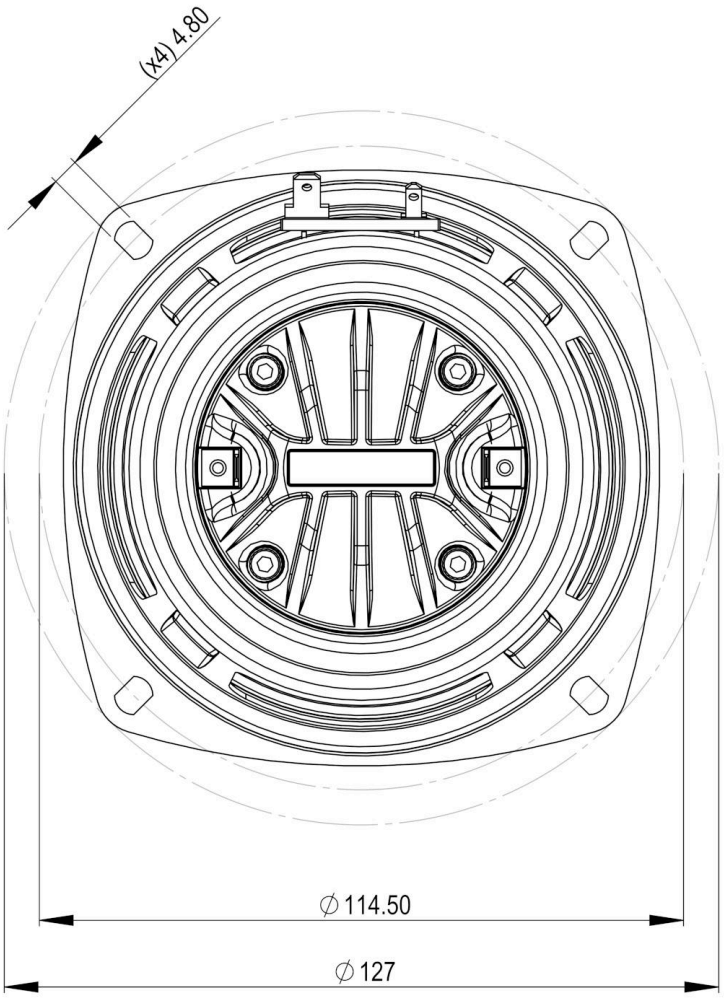

4MCX36 HF directivity map
Angle from axis (degrees)
180°
165°
150°
135°
120°
105°
90°
75°
60°
45°
30°
15°
0°
-15°
-30°
-45°
-60°
-75°
-90°
-105°
-120°
-135°
-150°
-165°
-180°
1
2
5
10
20
Frequency (kHz)
dB
-6
-12
-18
-24
-30
-36
-42

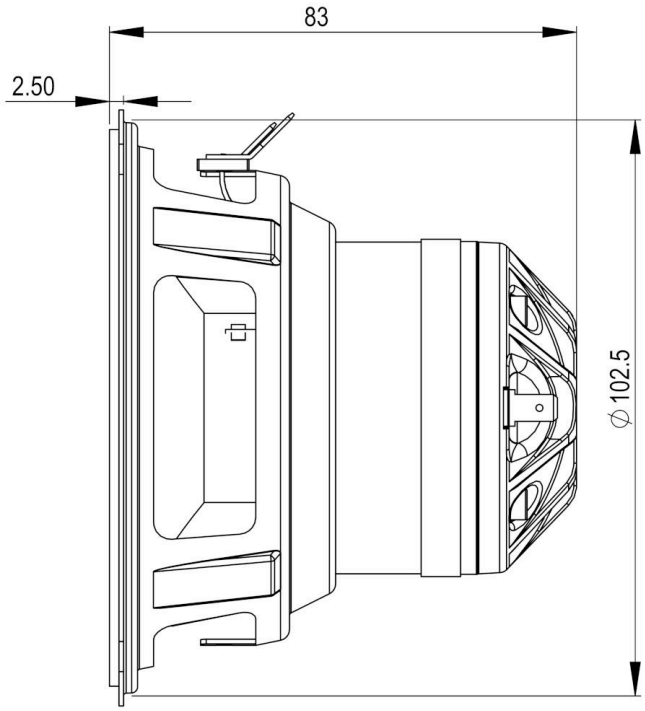
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