4CXN36 8 Ω

- 8 ohm LF unit, 16 ohm HF unit
- 200 W continuous program power capacity
- 70° nominal coverage
- 110 - 18000 Hz response
- 86 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, our 4CXN36 coaxial is the most compact and cost effective full range transducer we have ever built, offering 110 - 18000Hz frequency response and a 70° conical coverage pattern.





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GENERAL

Nominal Diameter	**100 mm (4 in)**
Nominal Impedance	**8 Ω**
Frequency Range	**110 Hz - 18000 Hz**
Dispersion Angle Included by –6 dB down points.	**70 °**

PARAMETERS

Fs	**113 Hz**
Re	**5.6 Ω**
Qes	**0.9**
Qms	**12.7**
Qts	**0.83**
Vas	**1.5 dm³ (0.05 ft³)**
Sd	**56 cm² (8.68 in²)**
η0	**0.22 %**
Xvar	**5 mm**
Mms	**6 g**
Bl	**5.13 Tm**
Le	**0.3 mH**
EBP	**126 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	**6.5 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.	**86 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	**84 mm (3.31 in)**
Flange and Gasket Thickness	**3 mm (0.12 in)**
Net Weight	**0.55 kg (1.21 lb)**
Shipping Units	**1 pcs**
Shipping Weight	**0.76 kg (1.68 lb)**
Shipping Box	**210x210x125 mm (8.27x8.27x4.92 in)**

CROSSOVER

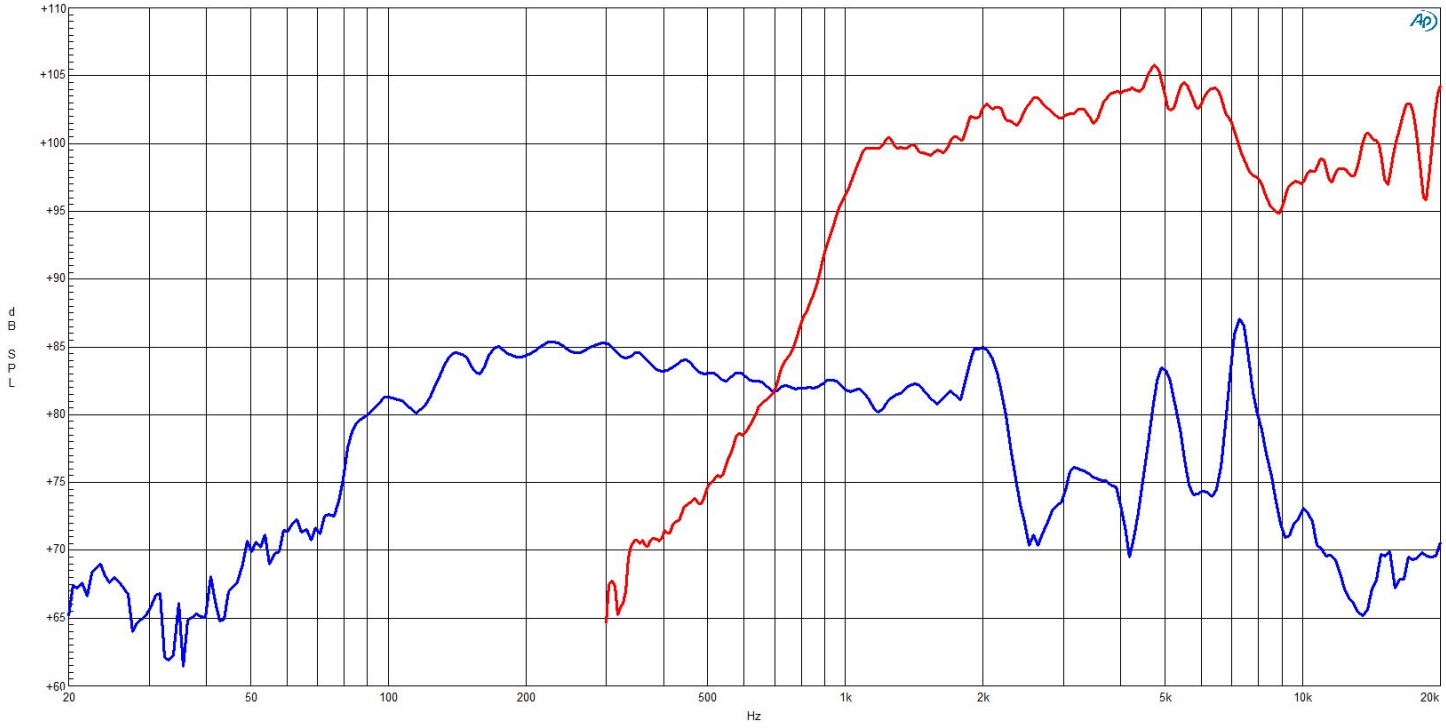
FBCXN36	**8Ω**

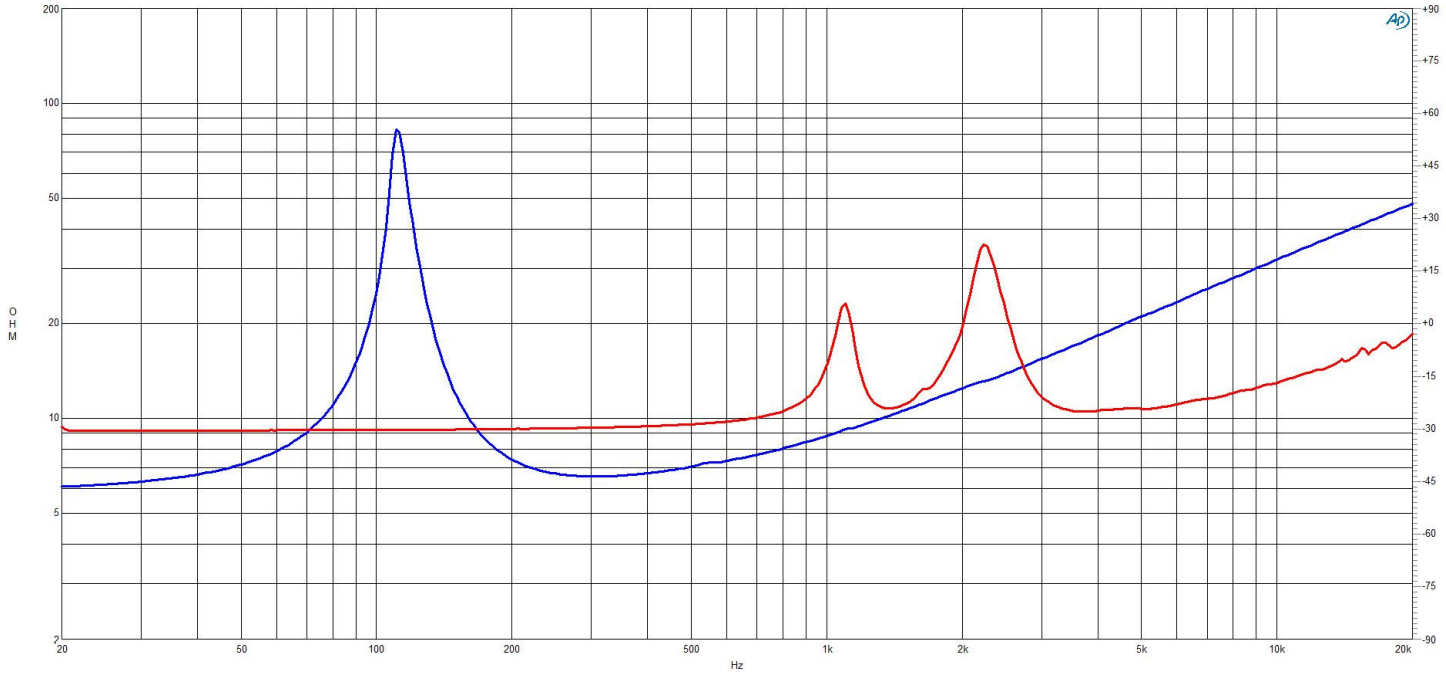
SERVICE KITS

HF replacement-diaphragm	**MMDDE11016**
LF recone-kits	**RCK004CXN368**

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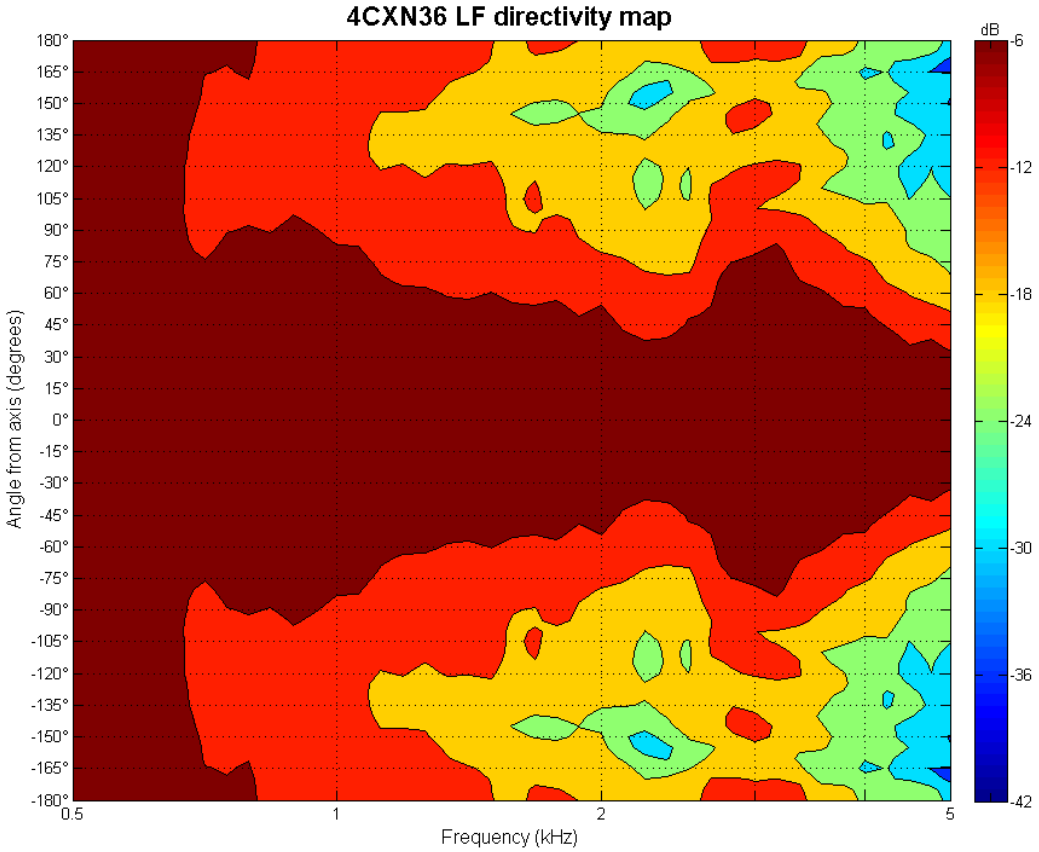
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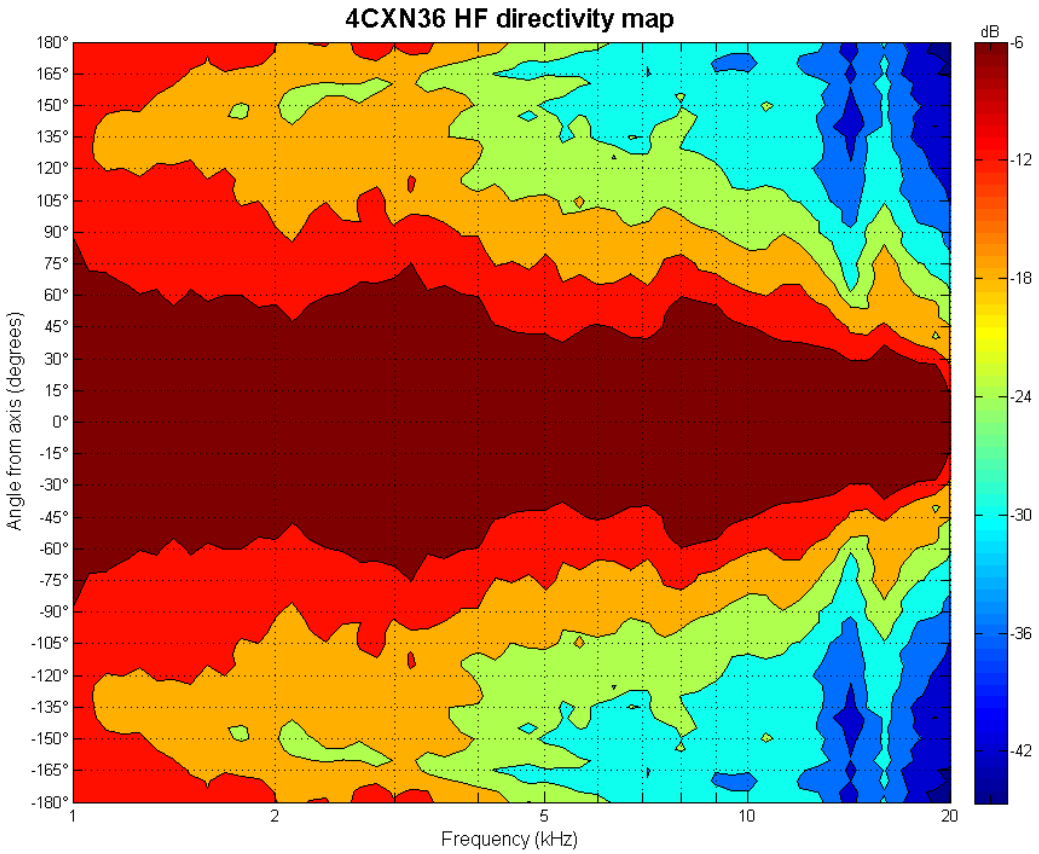




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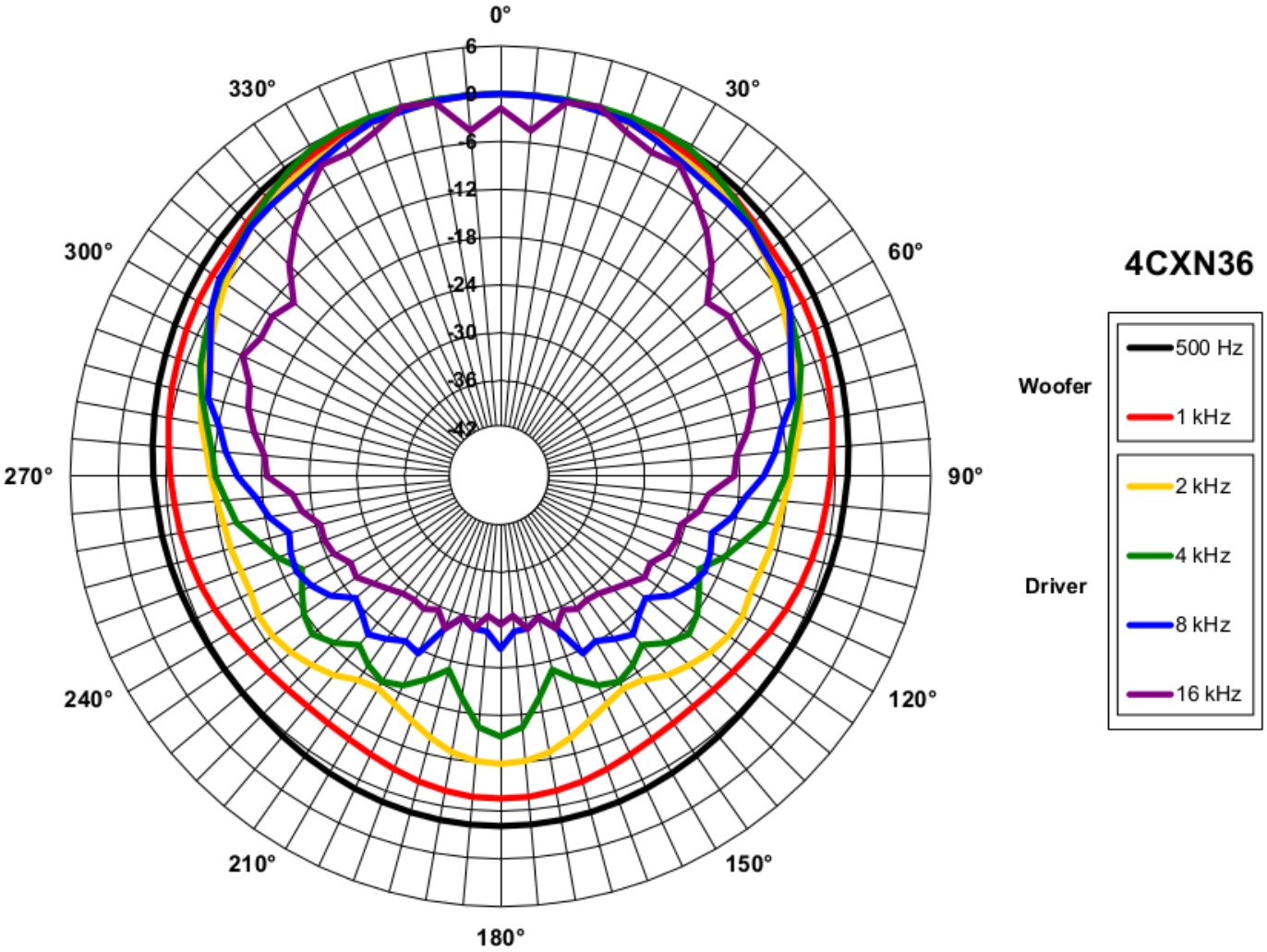
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