DCX464 8 Ω

- Time coherent coaxial ring radiator design (Patents EP3644623B1, US11343608B2
- 1.4" horn throat diameter
- 300 - 18000 Hz response
- 111.4 dB sensitivity
- 220 W continuous program power capacity
- Neodymium magnet assembly

More than five years of B&C research and development has culminated in a family of next generation high frequency devices. Compression drivers are the linchpin of a PA system: operating at wavelengths too small to readily couple with other drivers, they alone have to fight distance and atmospheric losses to deliver concert sound pressure levels to ever larger audiences.
Enter the DCX464 coaxial ring radiator, designed from scratch to advance the state of the art. The DCX464's midrange diaphragm covers 300Hz – 5.5kHz with 111.1 dB sensitivity, and its 100mm voice coil handles 220 watts. The 64mm coil high frequency diaphragm covers 3 – 18kHz with 111.4 dB sensitivity and handles 160 watts. A patented midrange integrator (US Patents #11683636/11343608) allows both diaphragms to work in harmony over a wide bandwidth, for greater combined output and crossover flexibility. All this energy arrives at a 1.4" throat, from the most compact package that can be designed today.Brand new materials and thousands of hours of modelling and testing result in lower distortion at higher SPL than has ever been possible before. Consider the new DCX464 for your next design, and enjoy a new standard in fidelity, with the reliability and consistency you expect from B&C.
Also available: the ME464 80x60 degree point-source horn loading to 300Hz (-ME464-464), the ME148 line-array waveguide for use to 500Hz (ME148-464), and the FB464 passive crossover.





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DCX464 8 Ω

SPECIFICATIONS MF UNIT

Driver mounted on 320 Hz exponential horn

Throat Diameter	**36 mm (1.4 in)**
Nominal Impedance	**8 Ω**
Minimum Impedance	**6.4 Ω**
Nominal Power Handling 2 hour test made with continuous pink noise signal within the range from the recommended crossover frequency to 3 kHz. Power calculated on rated minimum impedance.	**110 W**
Continuous Power Handling Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	**220 W**
Sensitivity Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.	**111.1 dB**
Frequency Range	**0.3 kHz - 5.5 kHz**
Recommended Crossover 12 dB/oct. or higher slope high-pass filter.	**0.3 kHz**
Voice Coil Diameter	**100 mm (4 in)**
Winding Material	**Aluminium**
Inductance	**0.21 mH**
Flux Density	**1.9 T**
Diaphragm Material	**HT Polymer Ring**

SPECIFICATIONS HF UNIT

Driver mounted on 320 Hz exponential horn

Throat Diameter	**36 mm (1.4 in)**
Nominal Impedance	**8 Ω**
Minimum Impedance	**9 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.	**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 2.83 V for 8 ohms Nominal Impedance.	**111.4 dB**
Frequency Range	**3.5 kHz - 18 kHz**
Recommended Crossover 12 dB/oct. or higher slope high-pass filter.	**4 kHz**
Voice Coil Diameter	**65 mm (2.5 in)**
Winding Material	**Aluminium**
Inductance	**0.1 mH**
Flux Density	**2.14 T**
Diaphragm Material	**HT Polymer Ring**

MOUNTING AND SHIPPING INFO

Four M6 holes 90° on 102 mm (4") diameter

Overall Diameter	**152 mm (5.98 in)**
Depth	**78 mm (3.07 in)**
Net Weight	**3.64 kg (8.02 lb)**
Shipping Units	**1 pcs**
Shipping Weight	**3.84 kg (8.47 lb)**
Shipping Box	**170x170x140 mm (6.69x6.69x5.51 in)**

CROSSOVER

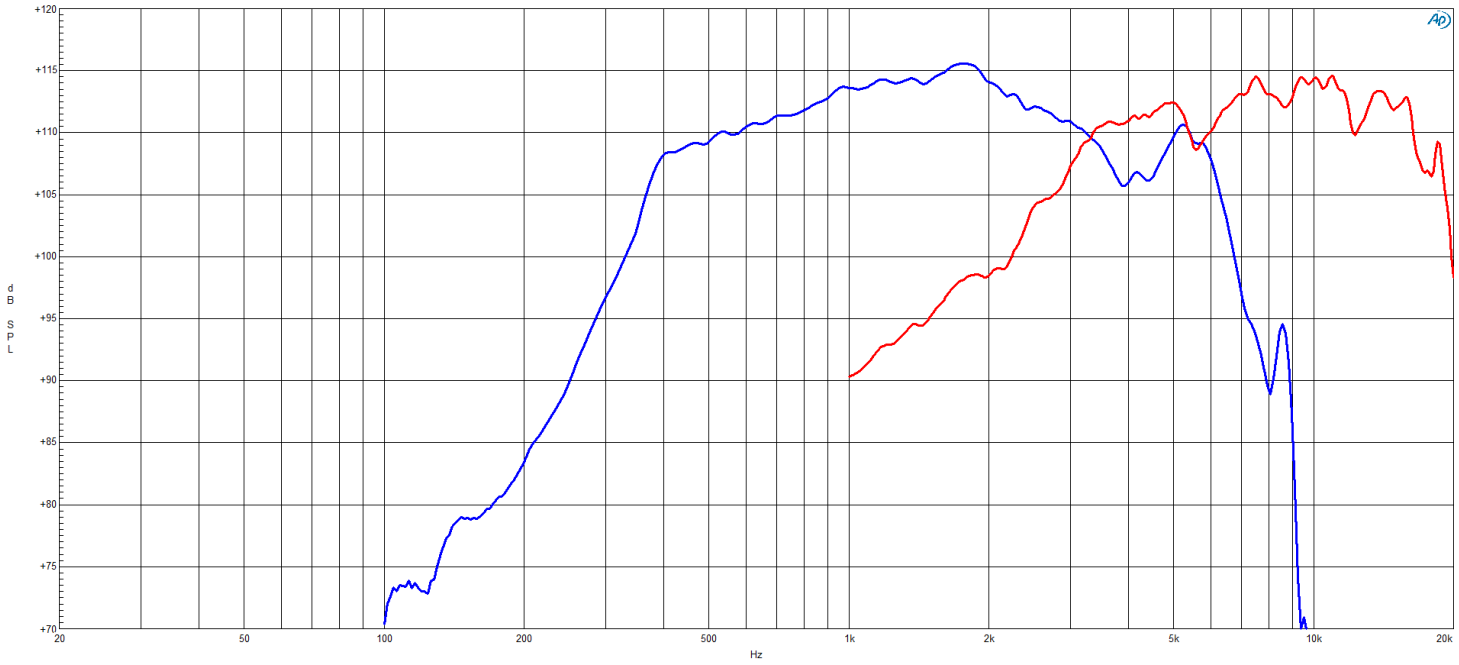
FB464V2	**8Ω**
FB464	**8Ω**

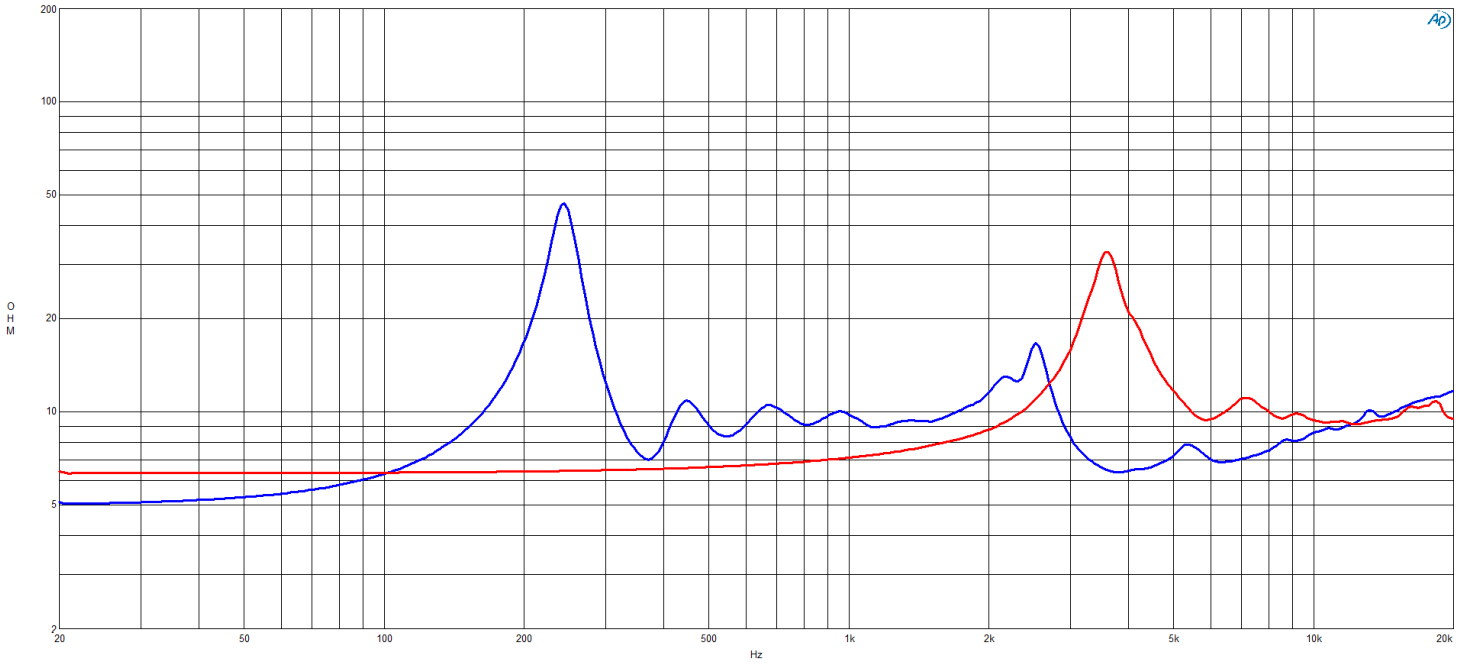
SERVICE KITS

HF replacement-diaphragm	**MMDDCX464HF8**
MF replacement-diaphragm	**MMDDCX464MF8**

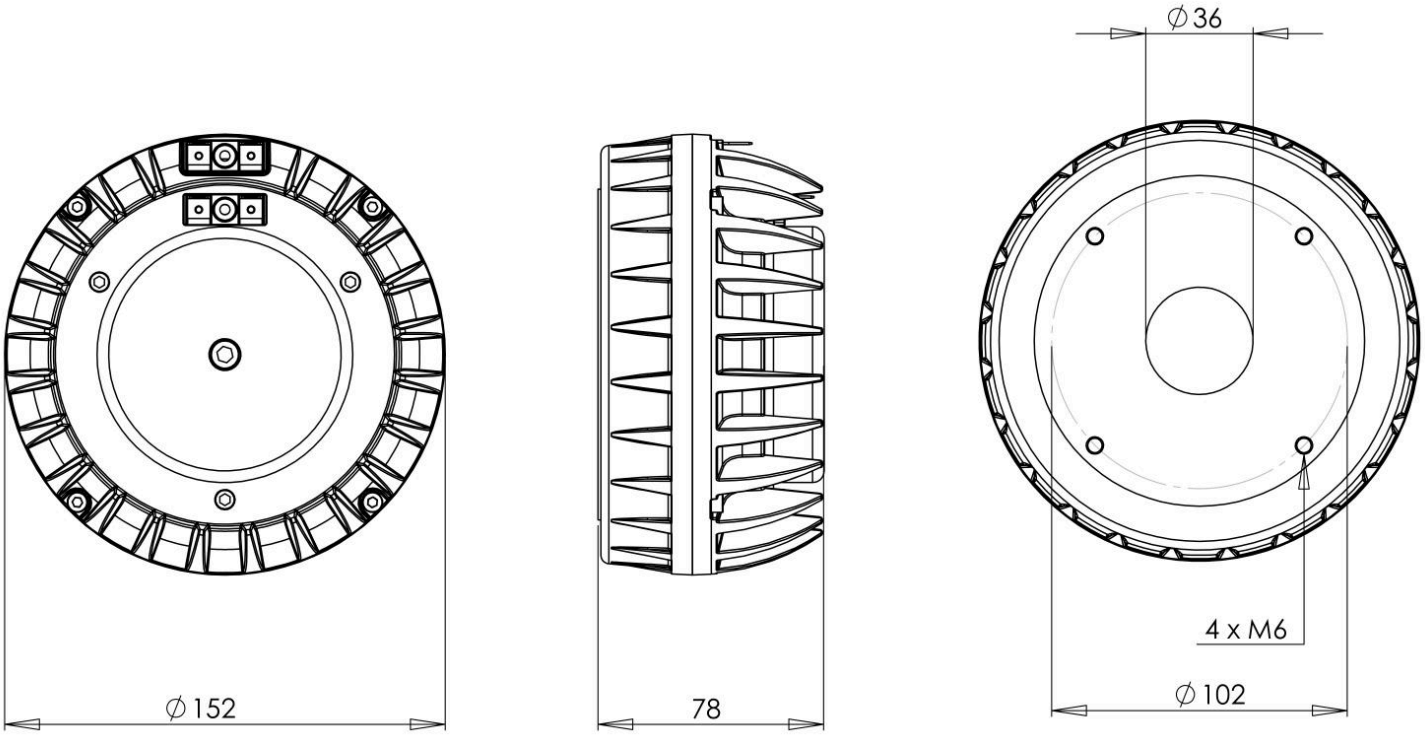
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DCX464 8 Ω


+120
+115
+110
+105
+100
+95
+90
+85
+80
+75
+70
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

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