DCX354 8 Ω

- Time coherent coaxial ring radiator design
- 1.4" horn throat diameter
- 111.1 dB MF sensitivity
- 112.8 dB HF sensitivity
- 400 - 20000 Hz response
- Neodymium magnet assembly

Modern speaker arrays demand closer source spacing, higher output, and lighter weight. To meet this continuing challenge, B&C Speakers introduces the DCX354 coaxial ring radiator. A more compact sibling of the our groundbreaking DCX464, with few compromises.
The DCX354's midrange diaphragm covers 400Hz – 6kHz with 111.1 dB sensitivity. Extended low-frequency bandwidth is thanks to a patented diaphragm shape (US Patent #12156006) which progressively decouples the outer diameter as frequency rises. The 76mm (3 inch) midrange voice coil handles 180 watts, while the 51mm (2 inch) voice coil high frequency diaphragm covers 5 – 20kHz with 112.8 dB sensitivity and handles 100 watts. A redesigned, 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.
In order to offer more than just a smaller version of an existing product, we wrote new mathematic modeling techniques from scratch - pioneering a method to evaluate dozens of potential diaphragm shapes in a day. Field experience and customer testing led to dozens of improvements and redesigns. Testing in unusual use cases and with compound loading led to a more compact product with nearly the same output and durability as the original. Experience un-fatiguing sound at levels you didn't think possible with the DCX354 coaxial ring radiator.
Also available: the ME464 80x60 degree point-source horn loading to 300Hz (-ME464-354), the ME148 line-array waveguide for use to 500Hz (ME148-354), and the FB354 passive crossover.



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SPECIFICATIONS MF UNIT

Driver mounted on 320 Hz exponential horn

Throat Diameter	**36 mm (1.4 in)**
Nominal Impedance	**8 Ω**
Minimum Impedance	**7.9 Ω**
Nominal Power Handling AES Standard	**90 W**
Continuous Power Handling Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	**180 W**
Sensitivity Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.	**111.1 dB**
Frequency Range	**0.4 kHz - 6 kHz**
Recommended Crossover 12 dB/oct. or higher slope high-pass filter.	**0.4 kHz**
Voice Coil Diameter	**76 mm (3 in)**
Winding Material	**Aluminum**
Inductance	**0.26 mH**
Flux Density	**1.93 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	**6.5 Ω**
Nominal Power Handling AES Standard	**50 W**
Continuous Power Handling Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	**100 W**
Sensitivity Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.	**112.8 dB**
Frequency Range	**5 kHz - 20 kHz**
Recommended Crossover 12 dB/oct. or higher slope high-pass filter.	**4.5 kHz**
Voice Coil Diameter	**51 mm (2 in)**
Winding Material	**Aluminum**
Inductance	**0.1 mH**
Flux Density	**1.96 T**
Diaphragm Material	**HT Polymer Ring**

MOUNTING AND SHIPPING INFO

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

Overall Diameter	**130 mm (5.12 in)**
Depth	**73 mm (2.87 in)**
Net Weight	**2.43 kg (5.35 lb)**
Shipping Units	**1 pcs**
Shipping Weight	**2.63 kg (5.79 lb)**
Shipping Box	**170x170x140 mm (6.69x6.69x5.51 in)**

CROSSOVER

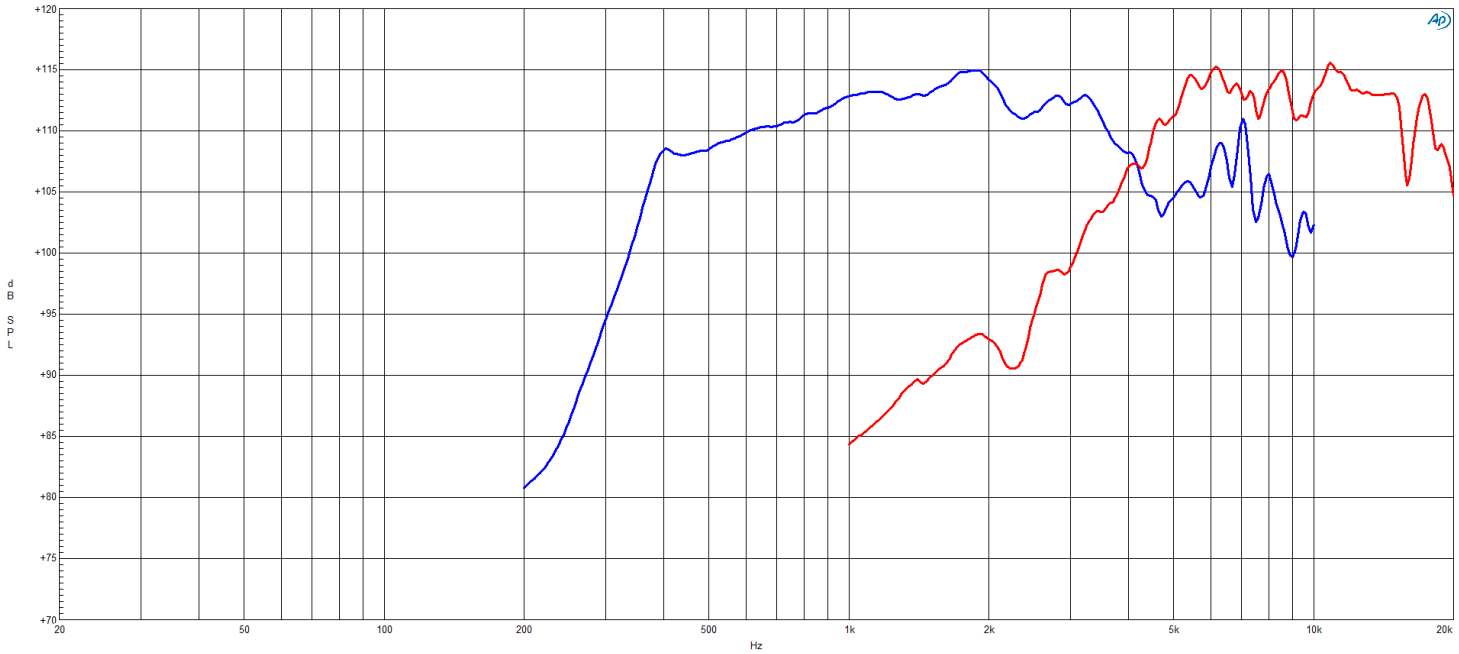
FB354	**8Ω**
FB354V2	**8Ω**

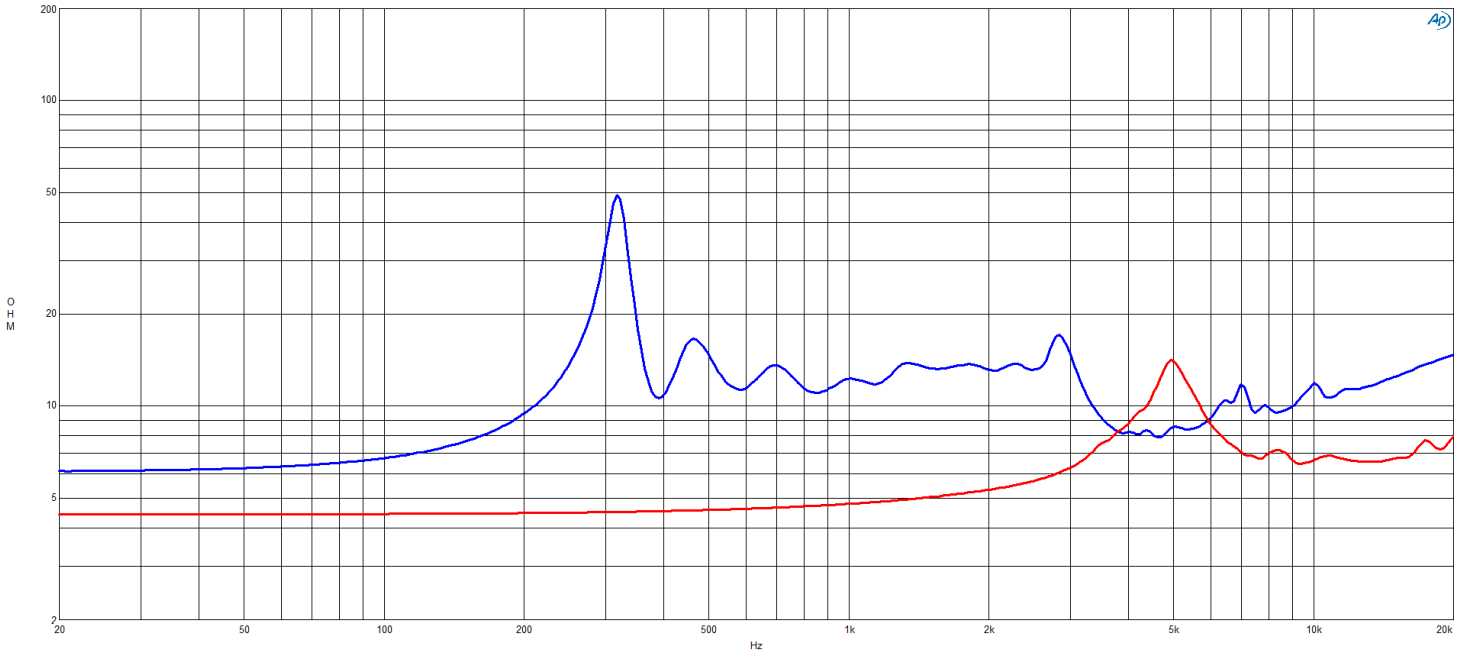
SERVICE KITS

HF replacement-diaphragm	**MMDDCX354HF8**
MF replacement-diaphragm	**MMDDCX354MF8**

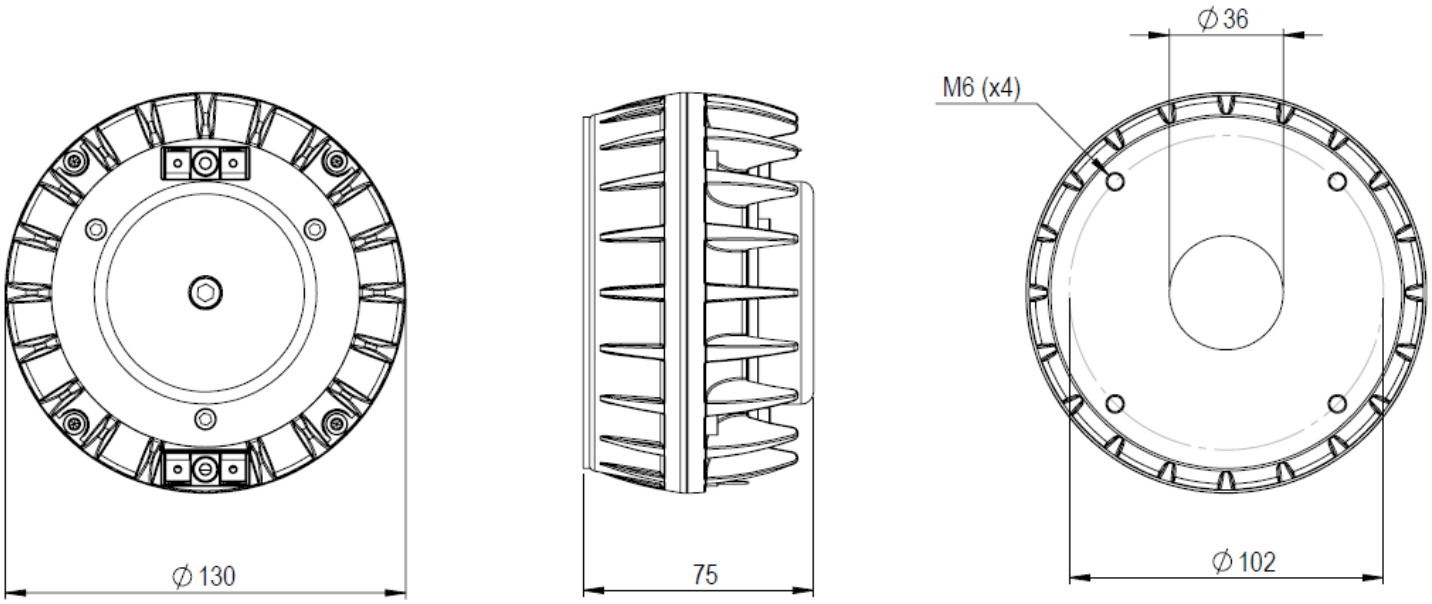
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dB SPL
+120
+115
+110
+105
+100
+95
+90
+85
+80
+75
+70
20
50
100
200
500
1k
2k
5k
10k
20k
Hz


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

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