

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) |

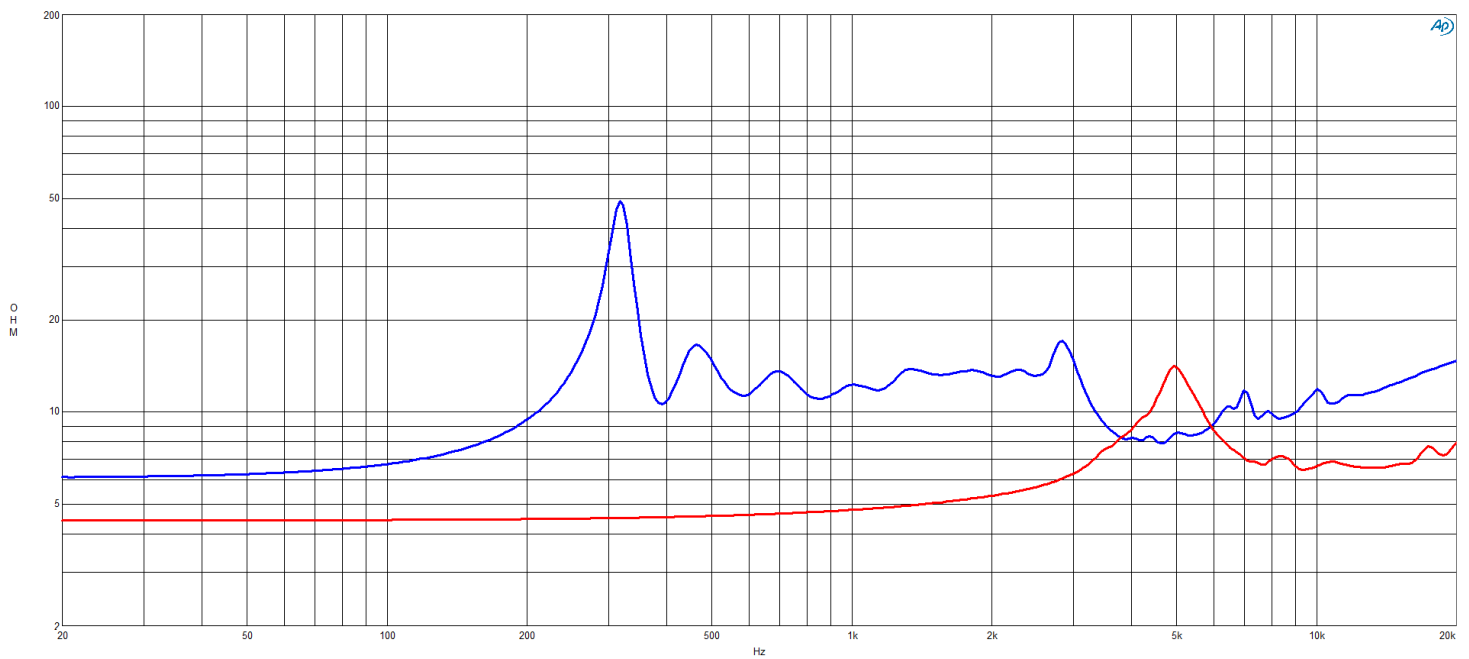
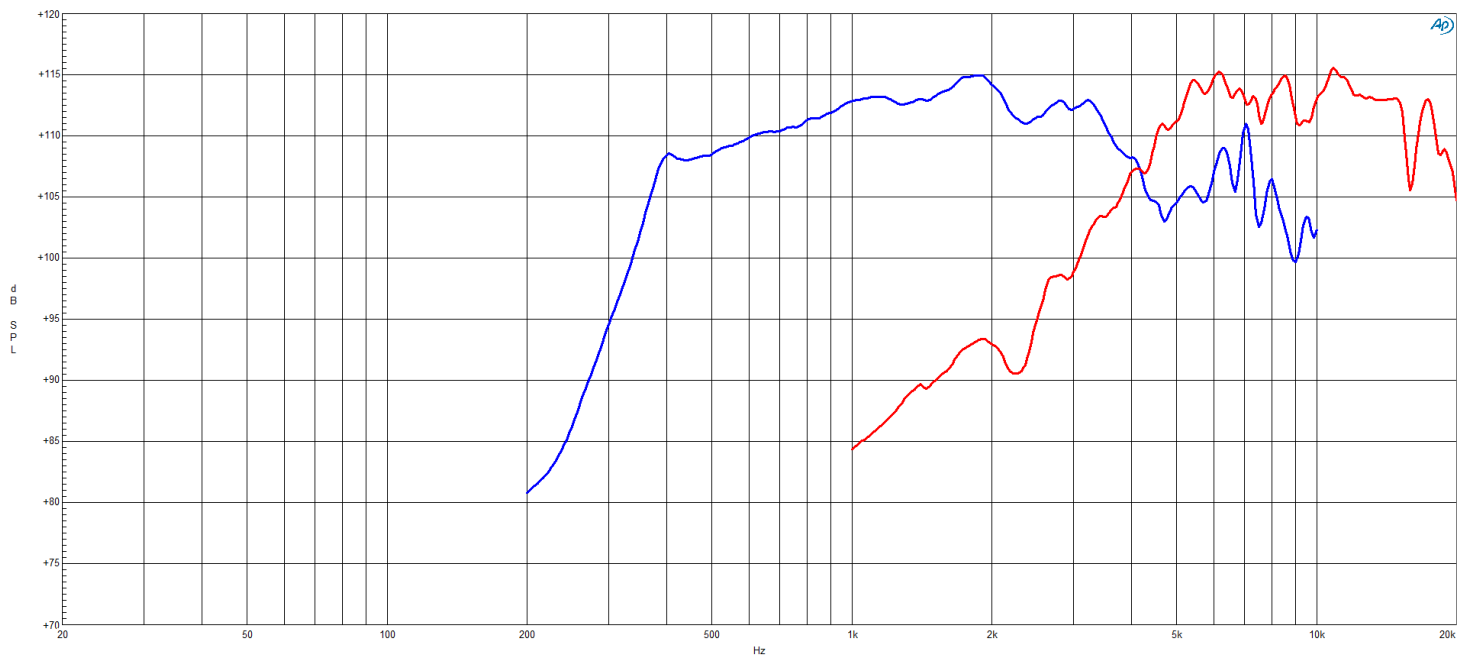
CROSSOVER

| | |
|---------|------------|
| FB354 | 8 Ω |
| FB354V2 | 8 Ω |

SERVICE KITS

| | |
|--------------------------|---------------------|
| HF replacement-diaphragm | MMDDCX354HF8 |
| MF replacement-diaphragm | MMDDCX354MF8 |

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