

**DCX354** 16 Ω

- Time coherent coaxial ring radiator design
- 1.4" horn throat diameter
- 112.2 dB MF sensitivity
- 114.3 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.



# DCX354 16 Ω

## SPECIFICATIONS MF UNIT

Driver mounted on 320 Hz exponential horn

Throat Diameter	<b>36 mm (1.4 in)</b>
Nominal Impedance	<b>16 Ω</b>
Minimum Impedance	<b>12 Ω</b>
Nominal Power Handling AES Standard	<b>90 W</b>
Continuous Power Handling Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	<b>180 W</b>
Sensitivity Applied RMS Voltage is set to 4 V for 16 ohms Nominal Impedance.	<b>112.7 dB</b>
Frequency Range	<b>0.4 kHz - 6 kHz</b>
Recommended Crossover 12 dB/oct. or higher slope high-pass filter.	<b>0.4 kHz</b>
Voice Coil Diameter	<b>76 mm (3 in)</b>
Winding Material	<b>Aluminum</b>
Inductance	<b>0.33 mH</b>
Flux Density	<b>1.93 T</b>
Diaphragm Material	<b>HT Polymer Ring</b>

## SPECIFICATIONS HF UNIT

Driver mounted on 320 Hz exponential horn

Throat Diameter	<b>36 mm (1.4 in)</b>
Nominal Impedance	<b>16 Ω</b>
Minimum Impedance	<b>10.6 Ω</b>
Nominal Power Handling AES Standard	<b>50 W</b>
Continuous Power Handling Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	<b>100 W</b>
Sensitivity Applied RMS Voltage is set to 4 V for 16 ohms Nominal Impedance.	<b>114.6 dB</b>
Frequency Range	<b>5 kHz - 20 kHz</b>
Recommended Crossover 12 dB/oct. or higher slope high-pass filter.	<b>4.5 kHz</b>
Voice Coil Diameter	<b>51 mm (2 in)</b>
Winding Material	<b>Aluminum</b>
Inductance	<b>0.15 mH</b>
Flux Density	<b>1.96 T</b>
Diaphragm Material	<b>HT Polymer Ring</b>

## MOUNTING AND SHIPPING INFO

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

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

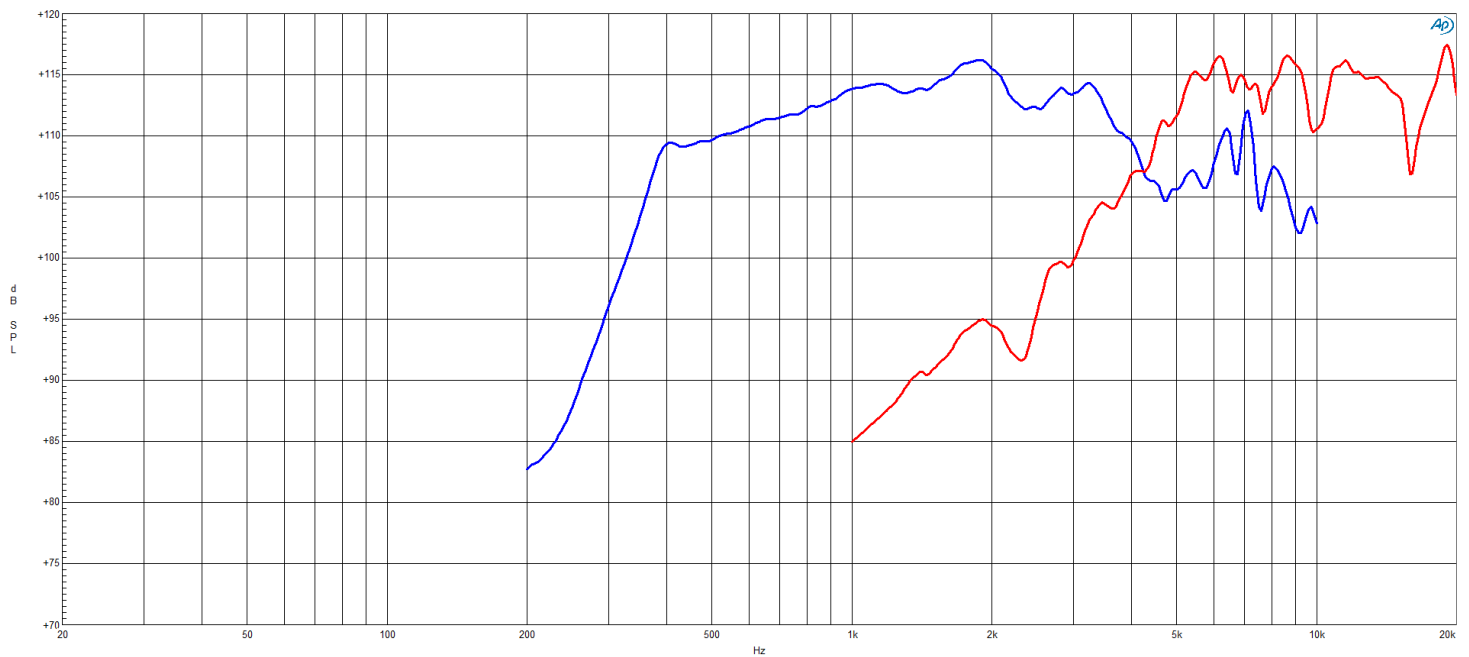
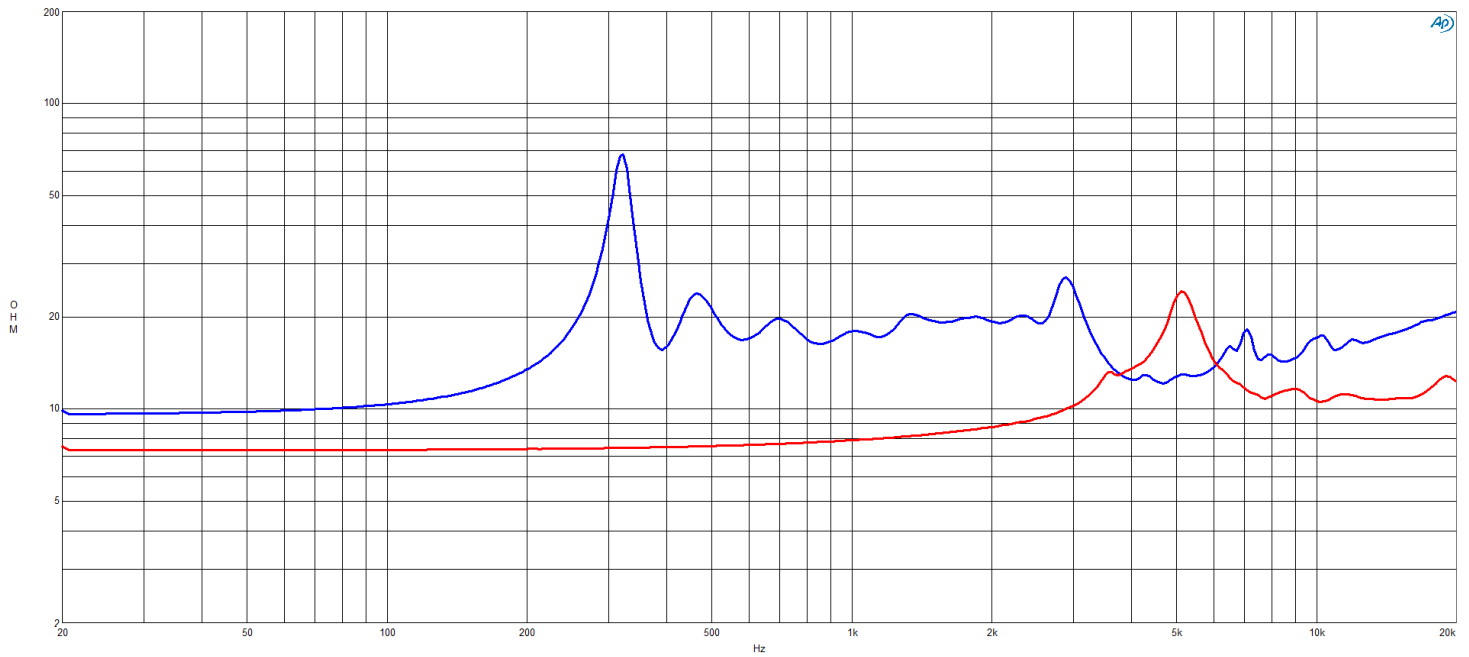
## CROSSOVER

FB354	<b>16Ω</b>
FB354V2	<b>16Ω</b>

## SERVICE KITS

HF replacement-diaphragm	<b>MMDDCX354HF16</b>
MF replacement-diaphragm	<b>MMDDCX354MF16</b>

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