

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.



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SPECIFICATIONS MF UNIT

Driver mounted on 320 Hz exponential horn

Throat Diameter	36 mm (1.4 in)
Nominal Impedance	16 Ω
Minimum Impedance	12 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 4 V for 16 ohms Nominal Impedance.	112.7 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	0.33 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	16 Ω
Minimum Impedance	10.6 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 4 V for 16 ohms Nominal Impedance.	114.6 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	0.15 mH
Flux Density	1.96 T
Diaphragm Material	HT Polymer Ring

MOUNTING AND SHIPPING INFO

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

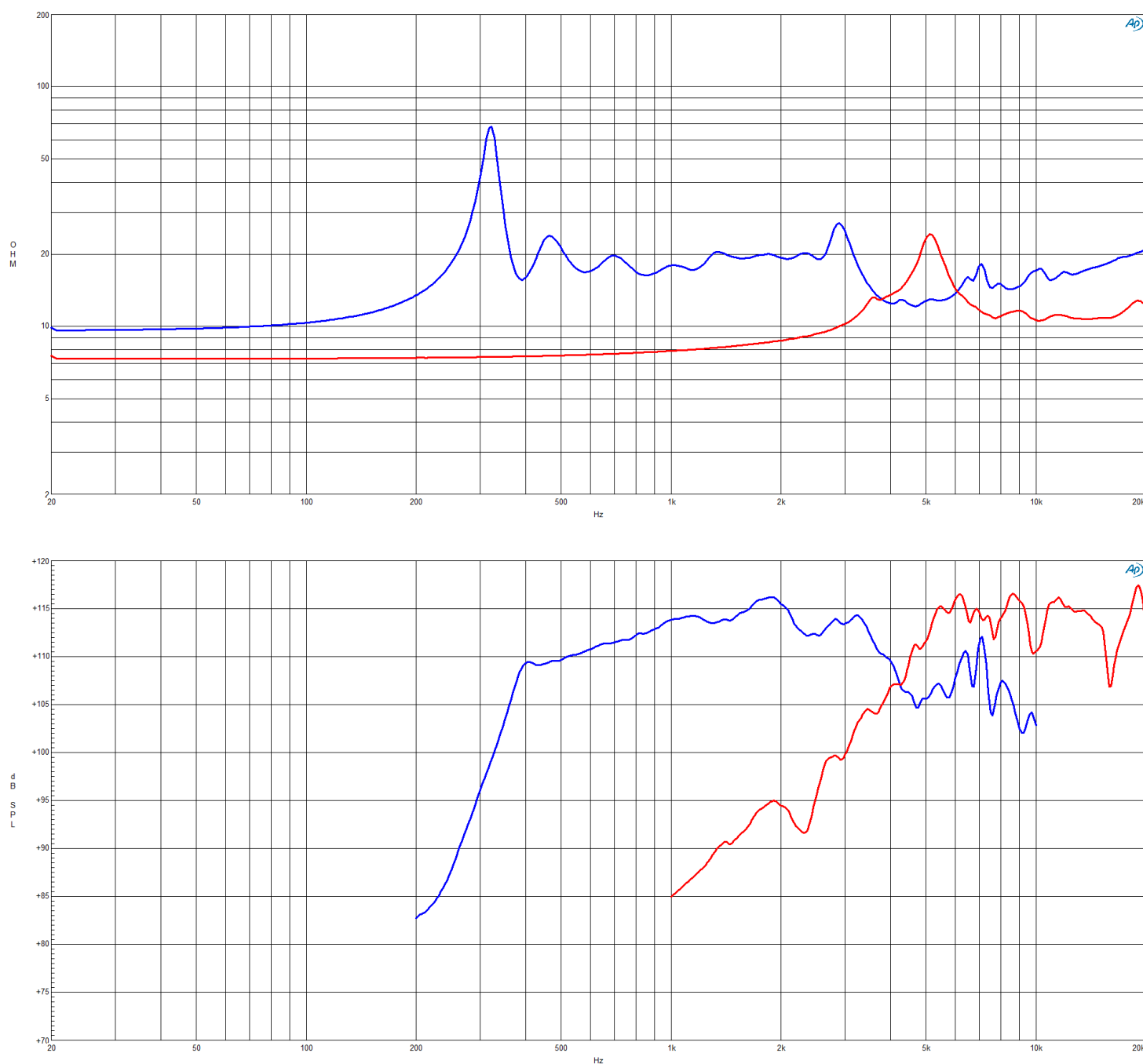
Overall Diameter	130 mm (5.12 in)
Depth	73 mm (2.87 in)
Net Weight	2.43 kg (5.35 lb)
Shipping Units	1 pcs
Shipping Weight	2.63 kg (5.79 lb)
Shipping Box	170x170x140 mm (6.69x6.69x5.51 in)

CROSSOVER

FB354	16Ω
FB354V2	16Ω

SERVICE KITS

HF replacement-diaphragm	MMDDCX354HF16
MF replacement-diaphragm	MMDDCX354MF16

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