

DCX462 16 Ω

- Time coherent coaxial ring radiator design (Patents EP3644623B1, US11343608B2)
- 2" horn throat diameter
- 300 - 18000 Hz response
- 113.3 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 DCX462-16 coaxial ring radiator, designed from scratch to advance the state of the art. The DCX462's midrange diaphragm covers 300Hz – 5.5kHz with 112.7 dB sensitivity, and its 100mm voice coil handles 220 watts. The 64mm coil high frequency diaphragm covers 3.5 – 18kHz with 113.3 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 2" 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 DCX462 for your next design, and enjoy a new standard in fidelity, with the reliability and consistency you expect from B&C.



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SPECIFICATIONS MF UNIT

Driver mounted on 320 Hz exponential horn

Throat Diameter	50 mm (2 in)
Nominal Impedance	16 Ω
Minimum Impedance	8.6 Ω
Nominal Power Handling	110 W
Continuous Power Handling	220 W
Sensitivity	112.7 dB
Frequency Range	0.3 kHz - 5.5 kHz
Recommended Crossover	0.3 kHz
Voice Coil Diameter	100 mm (4 in)
Winding Material	Aluminum
Inductance	0.28 mH
Flux Density	1.9 T
Diaphragm Material	HT Polymer Ring

SPECIFICATIONS HF UNIT

Driver mounted on 320 Hz exponential horn

Throat Diameter	50 mm (2 in)
Nominal Impedance	16 Ω
Minimum Impedance	12.2 Ω
Nominal Power Handling	80 W
Continuous Power Handling	160 W
Sensitivity	113.3 dB
Frequency Range	3.5 kHz - 18 kHz
Recommended Crossover	4 kHz
Voice Coil Diameter	65 mm (2.5 in)
Winding Material	Aluminum
Inductance	0.14 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	110 mm (4.33 in)
Net Weight	3.26 kg (7.19 lb)
Shipping Units	1 pcs
Shipping Weight	3.46 kg (7.63 lb)
Shipping Box	170x170x140 mm (6.69x6.69x5.51 in)

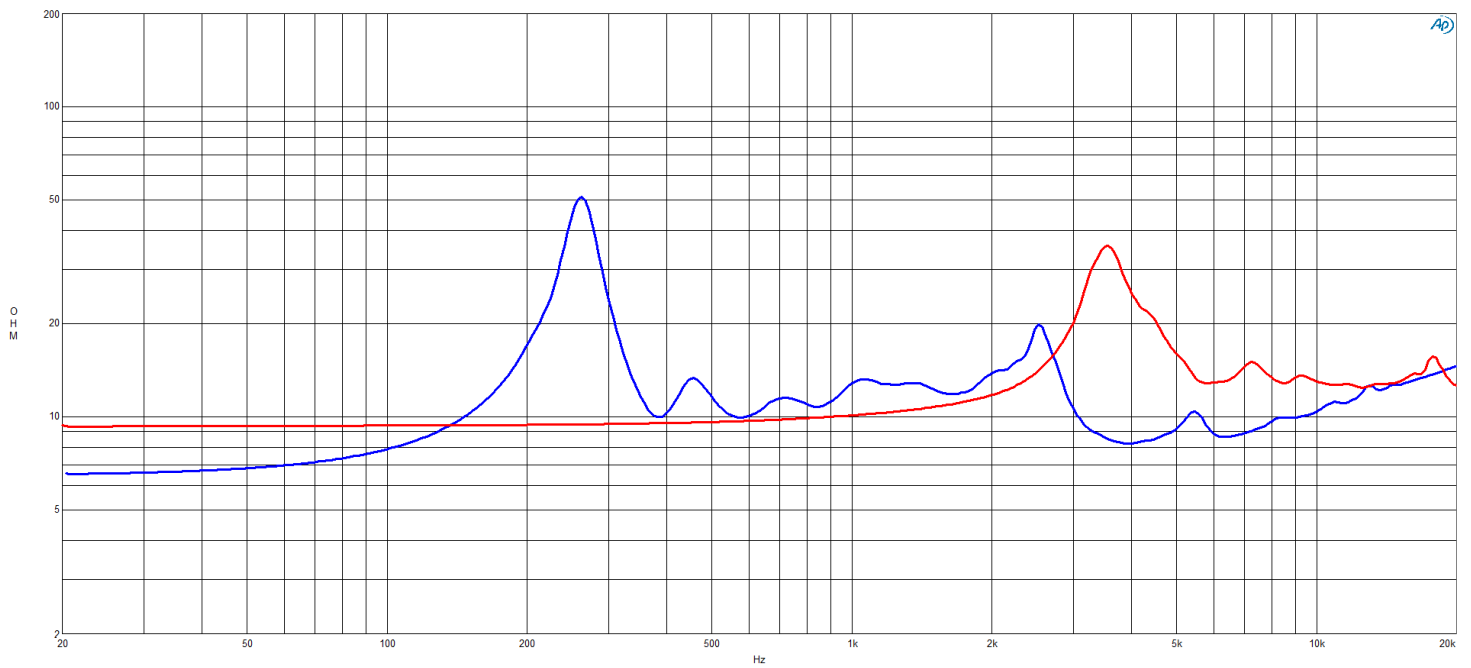
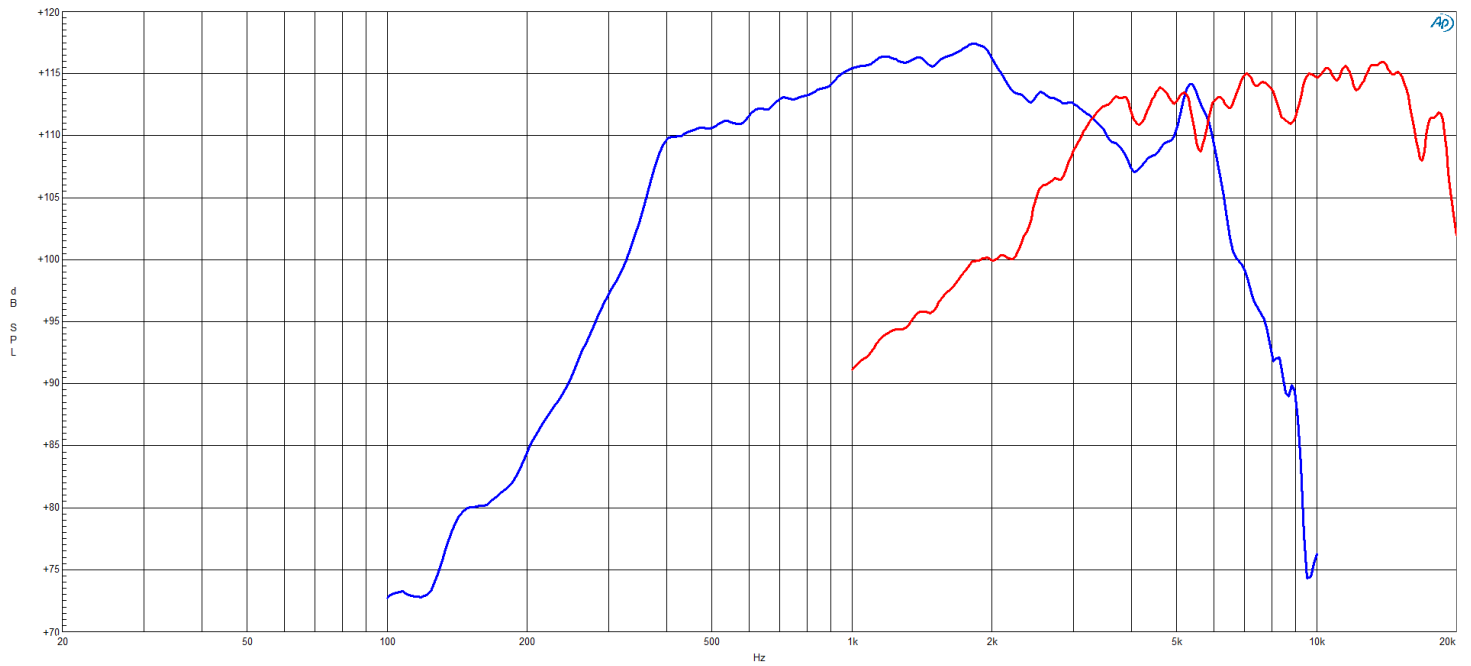
CROSSOVER

FB464	16Ω
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SERVICE KITS

HF replacement-diaphragm	MMDDCX464HF16
MF replacement-diaphragm	MMDDCX464MF16

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