



Time coherent coaxial ring radiator design (Patents EP3644623B1, US11343608B2)

2" horn throat diameter

300 - 18000 Hz response

111.4 dB sensitivity

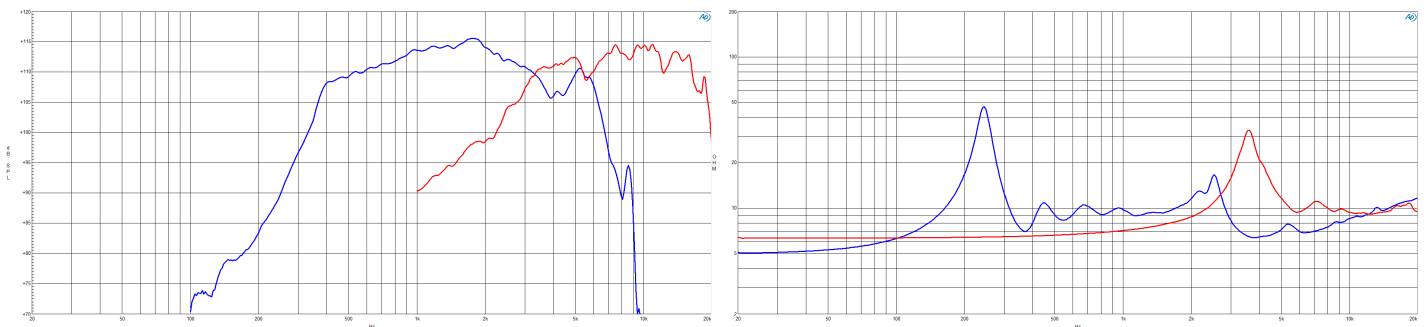
220 W continuous program power capacity

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 coaxial ring radiator, designed from scratch to advance the state of the art. The DCX462's midrange diaphragm covers 300Hz – 5.5kHz with 111.1 dB sensitivity, and its 100mm voice coil handles 220 watts. The 64mm coil high frequency diaphragm covers 3.5 – 18kHz with 111.4 dB sensitivity and handles 160 watts. A patented midrange integrator 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.



**SPECIFICATIONS HF UNIT**

Throat Diameter	50 mm (2 in)
Nominal Impedance	8 Ω
Minimum Impedance	9 Ω
Nominal Power Handling	80 W
Continuous Power Handling	160 W
Sensitivity	111.4 dB
Frequency Range	3.5 kHz - 18 kHz
Recommended Crossover	4 kHz
Voice Coil Diameter	65 mm (2.5 in)
Winding Material	Aluminium
Inductance	0.1 mH
Diaphragm Material	HT Polymer
Flux Density	2.14 T

**SPECIFICATIONS MF UNIT**

Throat Diameter	50 mm (2 in)
Nominal Impedance	8 Ω
Minimum Impedance	6.4 Ω
Nominal Power Handling	110 W
Continuous Power Handling	220 W
Sensitivity	111.1 dB
Frequency Range	0.3 kHz - 5.5 kHz
Recommended Crossover	0.3 kHz
Voice Coil Diameter	100 mm (4 in)
Winding Material	Aluminium
Inductance	0.21 mH
Diaphragm Material	HT Polymer
Flux Density	1.9 T

**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)

**SERVICE KITS**

HF replacement-diaphragm	MMDDCX464HF8
MF replacement-diaphragm	MMDDCX464MF8

**CROSSOVER**

FB464V2	8 Ω
FB464	8 Ω