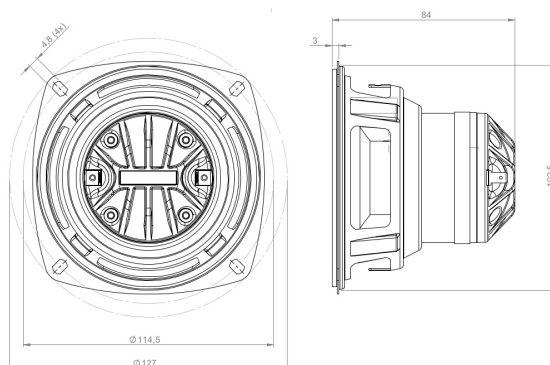


# 4CXN36

8Ω

**Coaxials** - 4.0 Inches



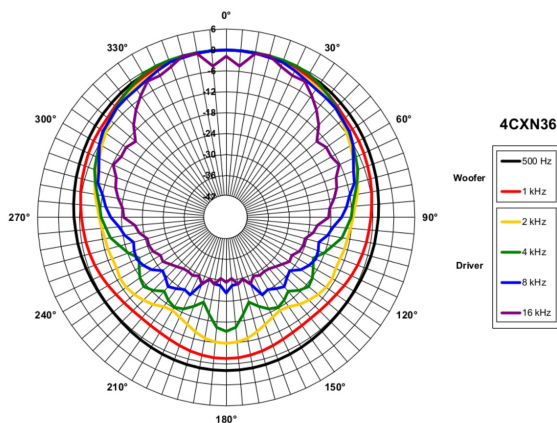
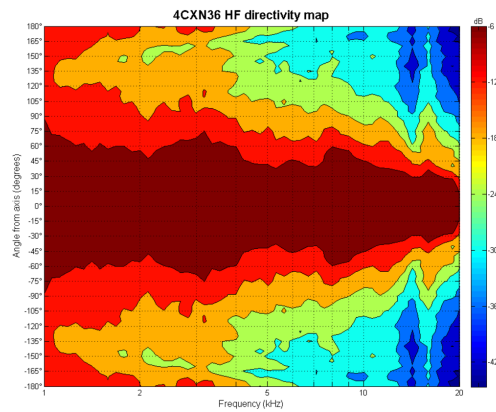
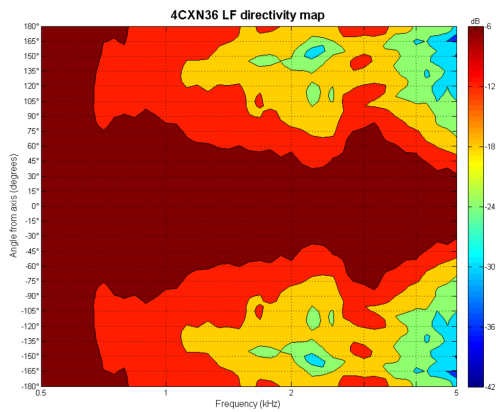
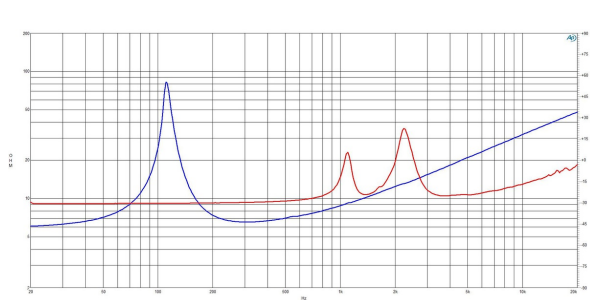
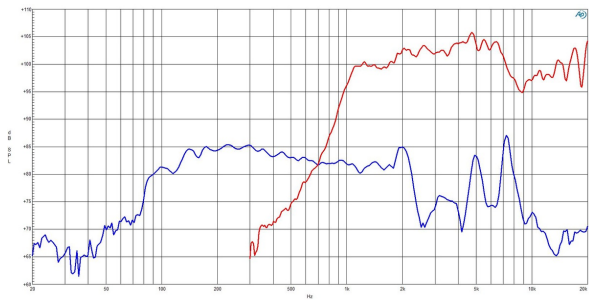
- 8 ohm LF unit, 16 ohm HF unit
- 200 W continuous program power capacity
- 70° nominal coverage
- 110 - 18000 Hz response
- 86 dB sensitivity
- Neodymium magnet allows a very light yet powerful motor assembly
- Aluminium demodulating ring allows a very low distortion figure



Unique to B&C, a complete lineup of high sensitivity and power handling 4", 5" and 6.5" frame transducers. These high technology products are made with our famously critical quality control, allowing new compact loudspeaker designs with appropriately scaled performance. Combined with a 1.4" dome compression driver, our 4CXN36 coaxial is the most compact and cost effective full range transducer we have ever built, offering 110 - 18000Hz frequency response and a 70° conical coverage pattern.

# 4CXN36

Coaxials- 4.0 Inches



## SPECIFICATIONS

Nominal Diameter	100 mm (4.0 in)
Nominal Impedance	8 $\Omega$
Minimum Impedance LF	6.5 $\Omega$
Minimum Impedance HF	10.2 $\Omega$
Frequency Range	110 - 18000 Hz
Dispersion Angle <sup>1</sup>	70 °
Woofer Cone Treatment	WP Waterproof Front Side
Magnet Material	Neodymium Ring

## SPECIFICATIONS LF UNIT

LF Sensitivity <sup>2</sup>	86.0 dB
LF Nominal Power Handling <sup>3</sup>	100 W
LF Continuous Power Handling <sup>4</sup>	200 W
LF Voice Coil Diameter	34 mm (1.34 in)
LF Winding Material	Copper
LF Flux Density	0.74 T
Former Material	Glass Fibre
Winding Depth	11.0 mm (0.43 in)
Magnetic Gap Depth	6.0 mm (0.24 in)

## SPECIFICATIONS HF UNIT

HF Sensitivity <sup>5</sup>	102.0 dB
HF Nominal Power Handling <sup>6</sup>	25 W
HF Continuous Power Handling <sup>7</sup>	50 W
HF Voice Coil Diameter	36 mm (1.42 in)
HF Winding Material	Aluminium
HF Flux Density	1.65 T
Diaphragm Material	HT Polymer
Recommended Crossover <sup>8</sup>	2.0 kHz
Inductance	0.14 mH

PARAMETERS		MOUNTING AND SHIPPING INFO		CROSSOVER
Resonance Frequency	113 Hz	Overall Diameter	127 mm (5.0 in)	FBCXN36 8Ω
Re	5.6 Ω	Bolt Circle Diameter	114 mm (4.51 in)	
Qes	0.9	Baffle Cutout Diameter	103 mm (4.06 in)	
Qms	12.7	Depth	84 mm (3.31 in)	
Qts	0.83	Flange and Gasket Thickness	3 mm (0.12 in)	
Vas	1.5 dm <sup>3</sup> (0.05 ft <sup>3</sup> )	Net Weight	0.54 kg (1.19 lb)	
Sd	56.0 cm <sup>2</sup> (8.68 in <sup>2</sup> )	Shipping Units	1	
ηo	0.22 %	Shipping Weight	0.75 kg (1.65 lb)	
Xmax	± 4.0 mm	Shipping Box 210x210x125 mm (8.27x8.27x4.92 in)		
Xvar	± 5.0 mm			
Mms	6.0 g			
Bl	5.13 Txm			
Le	0.3 mH			
EBP	125 Hz			
SERVICE KIT				
LF recone kit	RCK004CXN368			
MF replacement diaphragm	MMDDE11016			

1. Included by -6 dB down points.
2. Applied RMS Voltage is set to 2.83V.
3. 2 hours test made with continuous pink noise signal within the range Fs-10Fs. Power calculated on rated minimum impedance. Loudspeaker in free air.
4. Power on Continuous Program is defined as 3 dB greater than the Nominal rating.
5. Applied RMS Voltage is set to 4V.
6. 2 hour test made with continuous pink noise signal within the range from the recommended crossover frequency to 20 kHz. Power calculated on rated minimum impedance. Loudspeaker in free air.
7. Power on Continuous Program is defined as 3 dB greater than the Nominal rating.
8. 12 dB/oct. or higher slope high-pass filter.