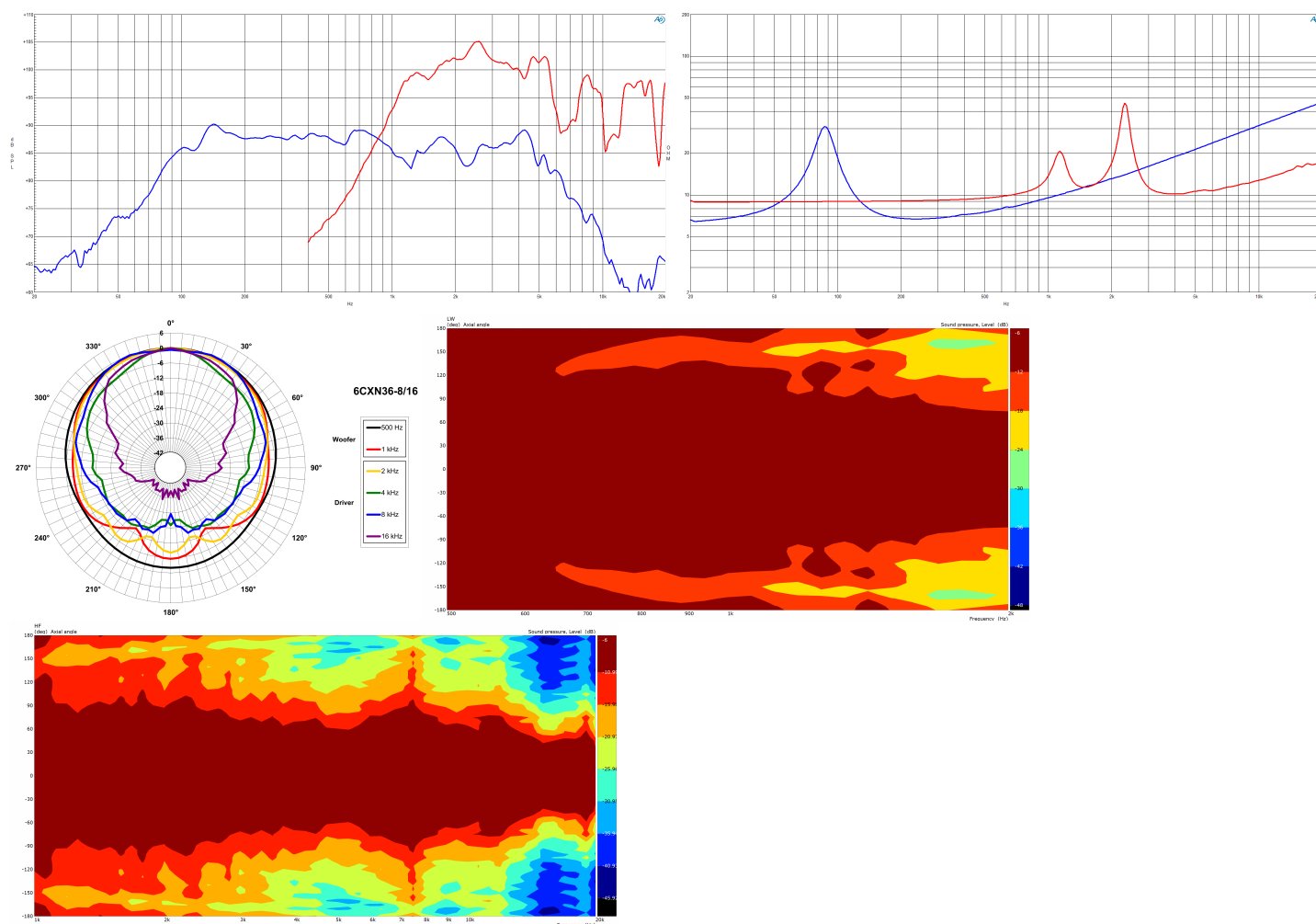


8 ohm LF unit, 16 ohm HF unit
 200 W continuous program power capacity
 90° nominal coverage
 90 - 18000 Hz response
 90 dB sensitivity
 Aluminium demodulating ring for very low distortion

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 6CXN36 coaxial is one of the most compact and cost effective full range transducers that we have ever built, offering 90 - 18000Hz frequency response and a 90° conical coverage pattern.



GENERAL

Nominal Diameter	165 mm (6.5 in)
Nominal Impedance	8 Ω
Frequency Range	90 Hz - 18000 Hz
Dispersion Angle	90 ° Included by -6 dB down points.

DESIGN

Magnet Material	Neodymium Ring
Woofer Cone Treatment	WP Waterproof Front Side

SERVICE KITS

HF replacement-diaphragm	MMDDE11016
LF recone-kits	RCK006CXN368

CROSSOVER

FBCXN36	8Ω
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SPECIFICATIONS LF UNIT

Sensitivity	90 dB Applied RMS Voltage is set to 2.83V.
Nominal Power Handling	100 W 2 hours test made with continuous pink noise signal within the range Fs-10Fs. Power calculated on rated minimum impedance. Loudspeaker in free air.
Continuous Power Handling	200 W Power on Continuous Program is defined as 3 dB greater than the Nominal rating.
Voice Coil Diameter	34 mm (1.3 in)
Winding Material	Copper
Flux Density	0.74 T
Nominal Diameter	165 mm (6.5 in)
Nominal Impedance	8 Ω
Minimum Impedance	6.8 Ω
Former Material	Glass Fibre
Winding Depth	11 mm (0.43 in)
Magnetic Gap Depth	6 mm (0.24 in)
Woofer Cone Treatment	WP Waterproof Front Side

PARAMETERS

Fs	90 Hz
Re	5.8 Ω
Qes	1.17
Qms	5
Qts	0.95
Vas	7.5 dm ³ (0.26 ft ³)
Sd	132 cm ² (20.46 sq ²)
η0	0.45 %
Xvar	5 mm
Mms	10.2 g
Bl	5.34 Tm
Le	0.94 mH
EBP	77 Hz

SPECIFICATIONS HF UNIT

Sensitivity	100 dB Applied RMS Voltage is set to 4V
Nominal Power Handling	25 W 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.
Continuous Power Handling	50 W Power on Continuous Program is defined as 3 dB greater than the Nominal rating.
Voice Coil Diameter	36 mm (1.4 in)
Winding Material	Aluminium
Flux Density	1.65 T
Nominal Diameter	165 mm (6.5 in)
Nominal Impedance	8 Ω
Minimum Impedance	10.2 Ω
Recommended Crossover	2 kHz 12 dB/oct. or higher slope high-pass filter.
Inductance	0.14 mH
Diaphragm Material	HT Polymer

MOUNTING AND SHIPPING INFO

Overall Diameter	180 mm (7.09 in)
Bolt Circle Diameter	165 mm (6.5 in)
Baffle Cutout Diameter	146 mm (5.75 in)
Depth	91 mm (3.58 in)
Flange and Gasket Thickness	6 mm (0.25 in)
Net Weight	0.7 kg (1.54 lb)
Shipping Units	1 pcs
Shipping Weight	1.15 kg (2.54 lb)
Shipping Box	255x255x150 mm (10.04x10.04x5.91 in)