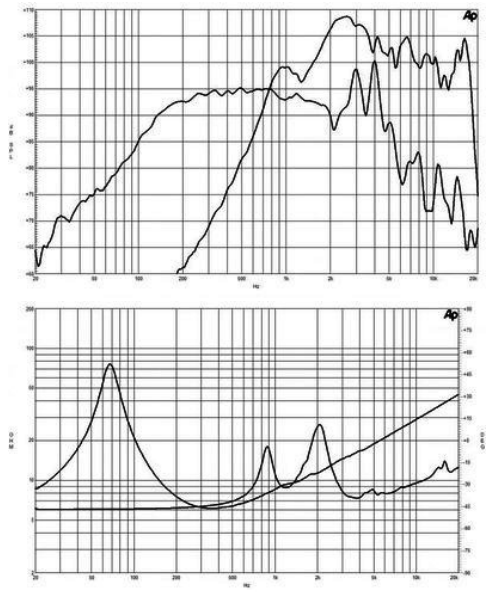


8CXN51

Coaxials - 8.0 Inches

500 W continuous program power capacity
100° nominal coverage
70 - 18000 Hz response
97 dB sensitivity
Single Neodymium magnet assembly
20.1 mm (0.79”) HF unit exit diameter

Specifications

Nominal diameter	210 mm (8.0 in)
Nominal impedance	8 Ω
Minimum impedance lf	6.0 Ω
Minimum impedance hf	7.4 Ω
Frequency range	70 - 18000 Hz
Dispersion angle[1]	100 °
Magnet material	Neodymium Ring

Specifications LF Unit

LF Sensitivity[2]	97.0 dB
LF Nominal Power Handling[3]	250 W
LF Continuous Power Handling[4]	500 W
LF Voice Coil Diameter	51 mm (2.0 in)
LF Winding Material	Aluminium

Specifications HF Unit

HF Sensitivity[5]	104.0 dB
HF Nominal Power Handling[6]	50 W
HF Continuous Power Handling[7]	100 W
HF Voice Coil Diameter	44 mm (1.7 in)

Specifications HF Unit

HF Winding Material	Aluminium
Diaphragm material	Polyimide
Recommended crossover[8]	1.8 kHz

Parameters

Fs	68 Hz
Re	4.9 Ω
Qes	0.29
Qms	4.7
Qts	0.27
Vas	17.0 dm^3 (0.6 ft^3)
Sd	220.0 cm^2 (34.1 in^2)
η_0	1.8 %
Xmax	6.0 mm
Xvar	6.0 mm
Mms	22 g
Bl	12.6 Txm
Le	0.9 mH
EBP	234 Hz

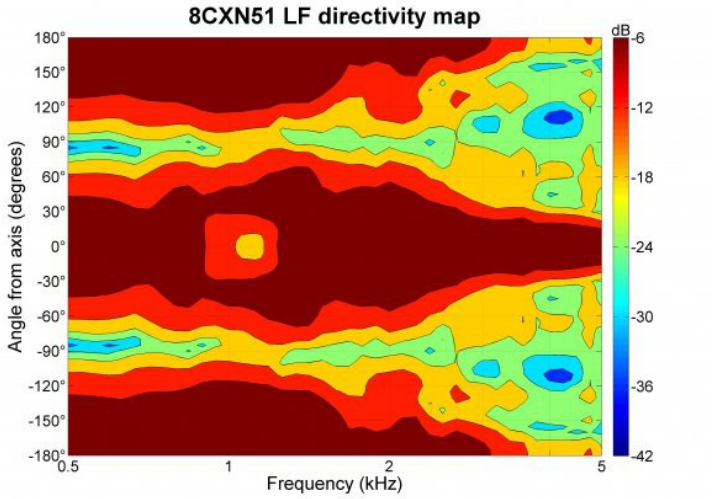
Mounting And Shipping Info

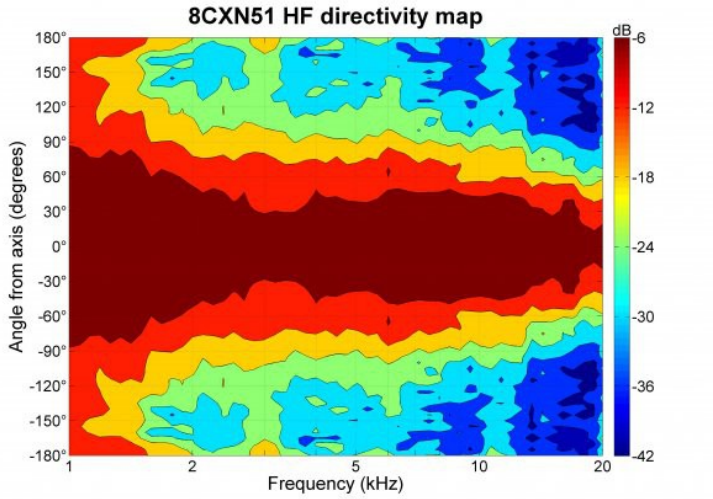
Overall diameter	225 mm (8.8 in)
Bolt circle diameter	210 mm (8.3 in)
Baffle cutout diameter	187 mm (7.4 in)
Depth	111 mm (4.4 in)
Flange and gasket thickness	10 mm (0.4 in)
Net weight	2.5 kg (5.5 lb)
Shipping units	1
Shipping weight	3.2 kg (7.0 lb)
Shipping box	260x260x170 mm (10.2x10.2x6.7 in)

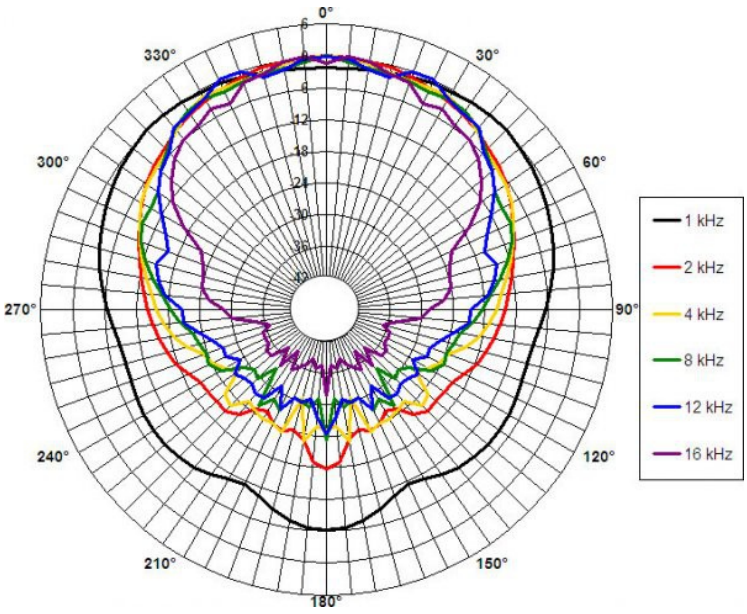
Service Kit

Service kit lf	RCK008CXN518
Replacement diaphragm	MMD4008

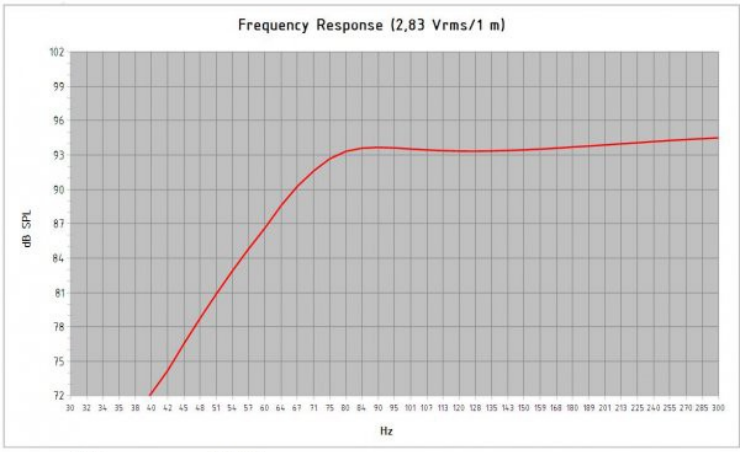
1. Included by –6 dB down points.
2. Applied RMS Voltage is set to 2.83V.
3. 2 hours test made with continuous pink noise signal (6 dB crest factor) within the range Fs-10Fs. Power calculated on rated minimum impedance. Loudspeaker in free air.
4. Power on Continuous Program is defined as 3 dB greater than the Nominal rating.
5. Applied RMS Voltage is set to 2.83V.
6. 2 hour test made with continuous pink noise signal (6 dB crest factor) 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.







B&C SPEAKERS



Model:	***8 CXN 51***			
Enclosure Type:	***Bass Reflex***			
Internal Net Volume (Liters):	***15***			
Tuning Frequency (Hz):	***73***	*Port Area (cm²):*	***43,0***	
Frequency (-3 dB) (Hz):	***73,6***	*Port Length (cm):*	***9,7***	
Excursion Limited Maximum SPL at 1 meter (dB):	***114,3*** *equal to*	***105,8*** *Watts*	*(Bass Band Power Rating)*	
Thermal Limited Maximum SPL at 1 meter (dB):	***118,1*** *equal to*	***250,0*** *Watts*	*(Mid Band Power Rating)*	