8CXN51 8 Ω

- 500 W continuous program power capacity
- 100° nominal coverage
- 70 - 18000 Hz response
- 97 dB sensitivity
- Single Neodymium magnet assembly





B&C SPEAKERS

Professional loudspeaker transducers since 1946

B&C Speakers S.p.A. Via Poggiomoro, 1 - Loc. Vallina, 50012 Bagno a Ripoli (FI) | ITALY
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GENERAL

Nominal Diameter	**210 mm (8 in)**
Nominal Impedance	**8 Ω**
Frequency Range	**70 Hz - 18000 Hz**
Dispersion Angle Included by –6 dB down points.	**100 °**

PARAMETERS

Fs	**68 Hz**
Re	**4.9 Ω**
Qes	**0.29**
Qms	**4.7**
Qts	**0.27**
Vas	**17 dm³ (0.6 ft³)**
Sd	**220 cm² (34.1 in²)**
η0	**1.8 %**
Xvar	**6 mm**
Mms	**22 g**
Bl	**12.6 Tm**
Le	**0.9 mH**
EBP	**234 Hz**

SPECIFICATIONS HF UNIT

Nominal Diameter	**210 mm (8 in)**
Nominal Impedance	**8 Ω**
Minimum Impedance	**7.4 Ω**
Nominal Power Handling 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.	**50 W**
Continuous Power Handling Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	**100 W**
Sensitivity Applied RMS Voltage is set to 2.83V.	**104 dB**
Recommended Crossover 12 dB/oct. or higher slope high-pass filter.	**1.8 kHz**
Voice Coil Diameter	**44 mm (1.7 in)**
Winding Material	**Aluminium**
Inductance	**0.11 mH**
Flux Density	**1.8 T**
Diaphragm Material	**Polyimide**

SPECIFICATIONS LF UNIT

Nominal Diameter	**210 mm (8 in)**
Nominal Impedance	**8 Ω**
Minimum Impedance	**6 Ω**
Nominal Power Handling 2 hours test made with continuous pink noise signal within the range Fs-10Fs. Power calculated on rated minimum impedance. Loudspeaker in free air.	**250 W**
Continuous Power Handling Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	**500 W**
Sensitivity Applied RMS Voltage is set to 2.83V.	**97 dB**
Voice Coil Diameter	**51 mm (2 in)**
Winding Material	**Aluminium**
Former Material	**Glass Fibre**
Winding Depth	**17 mm (0.67 in)**
Magnetic Gap Depth	**8 mm (0.31 in)**
Flux Density	**1.15 T**
Woofer Cone Treatment	**WP Waterproof Front Side**

DESIGN

Magnet Material	**Neodymium Ring**
Woofer Cone Treatment	**WP Waterproof Front Side**

MOUNTING AND SHIPPING INFO

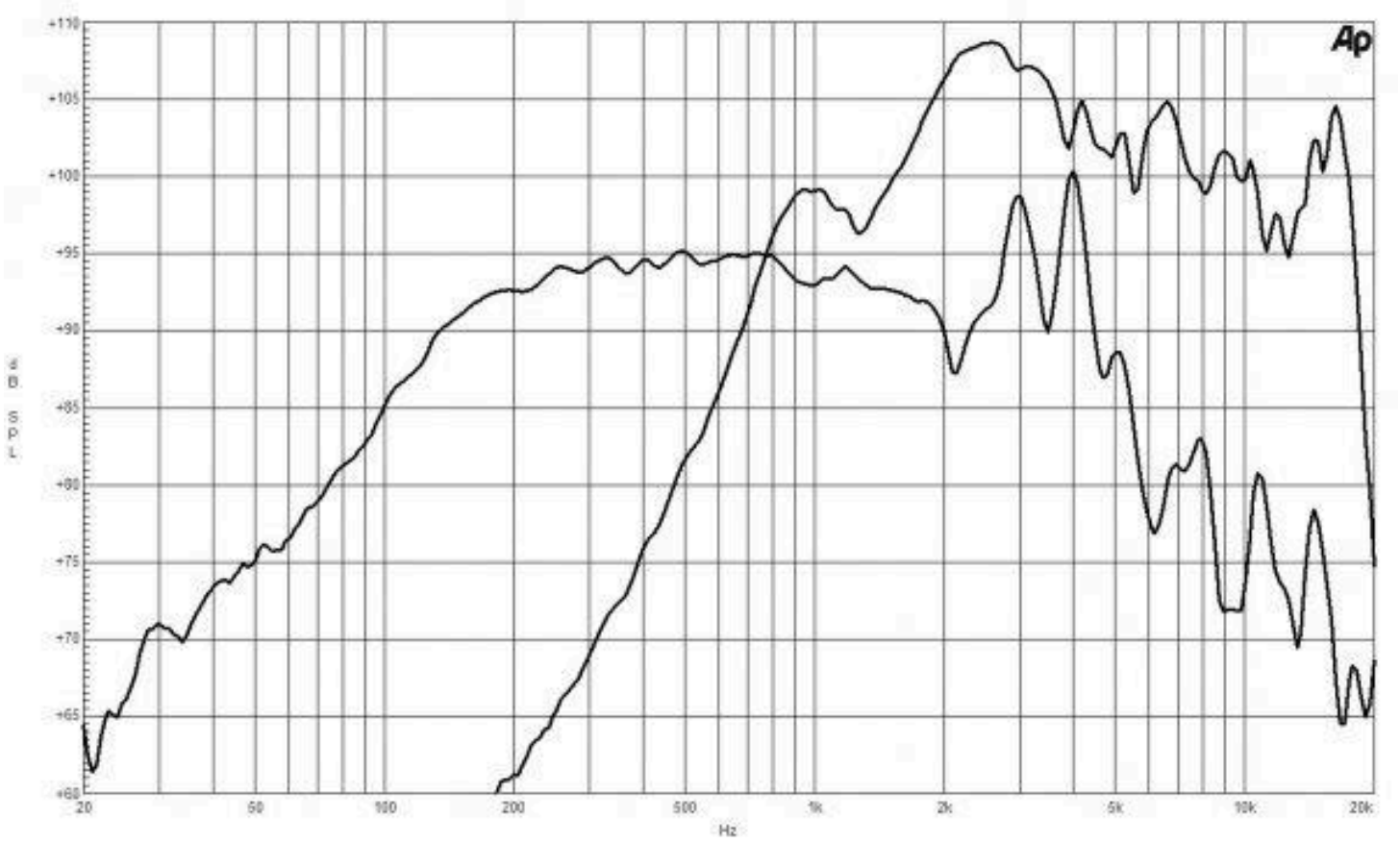
Overall Diameter	**225 mm (8.8 in)**
Bolt Circle Diameter	**210 mm (8.3 in)**
Baffle Cutout Diameter	**187 mm (7.4 in)**
Depth	**111 mm (4.4 in)**
Flange and Gasket Thickness	**10 mm (0.4 in)**
Net Weight	**2.6 kg (5.73 lb)**
Shipping Units	**1 pcs**
Shipping Weight	**3.2 kg (7.05 lb)**
Shipping Box	**295x314x175 mm (11.61x12.36x6.89 in)**

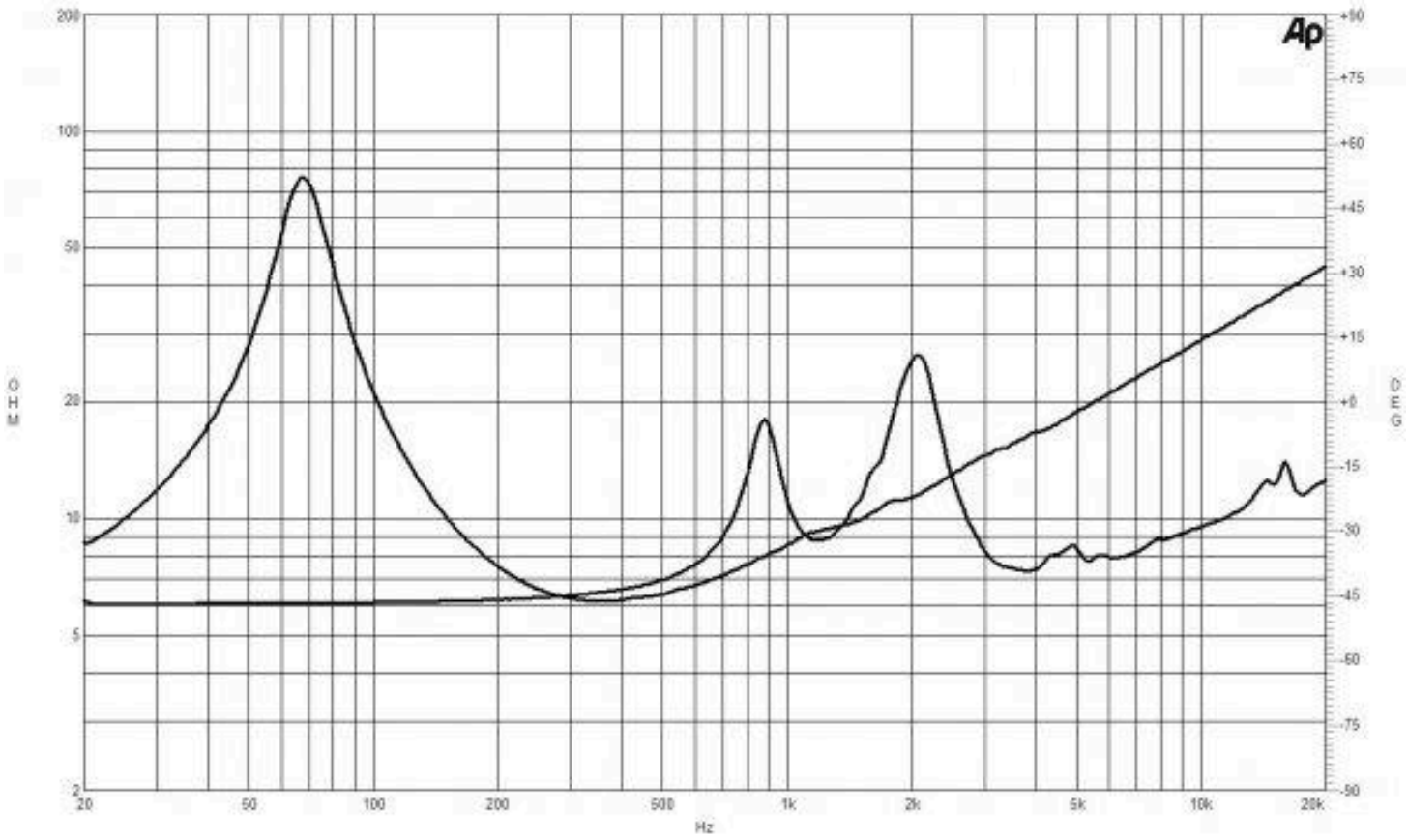
SERVICE KITS

HF replacement-diaphragm	**MMD4008**
LF recone-kits	**RCK008CXN518**

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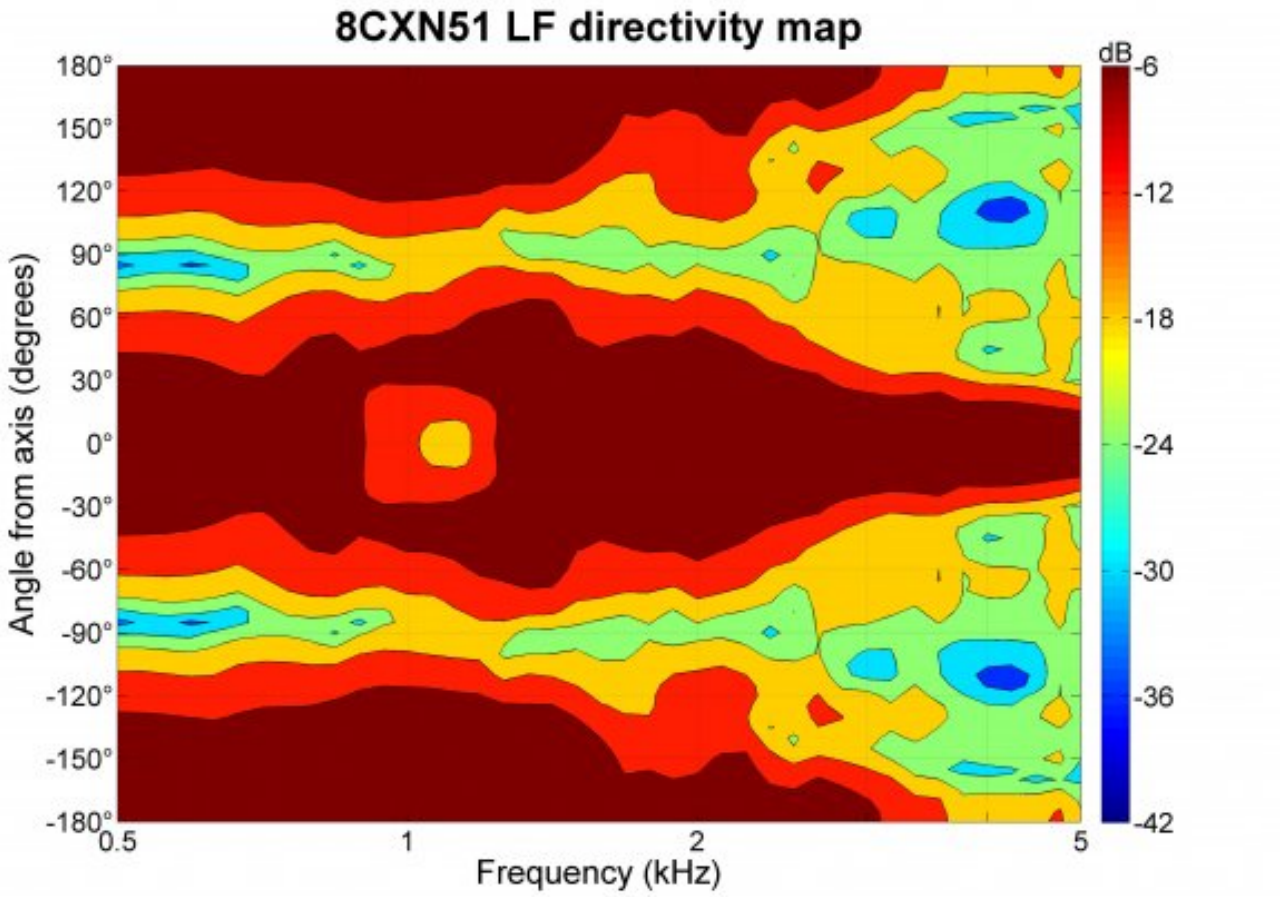
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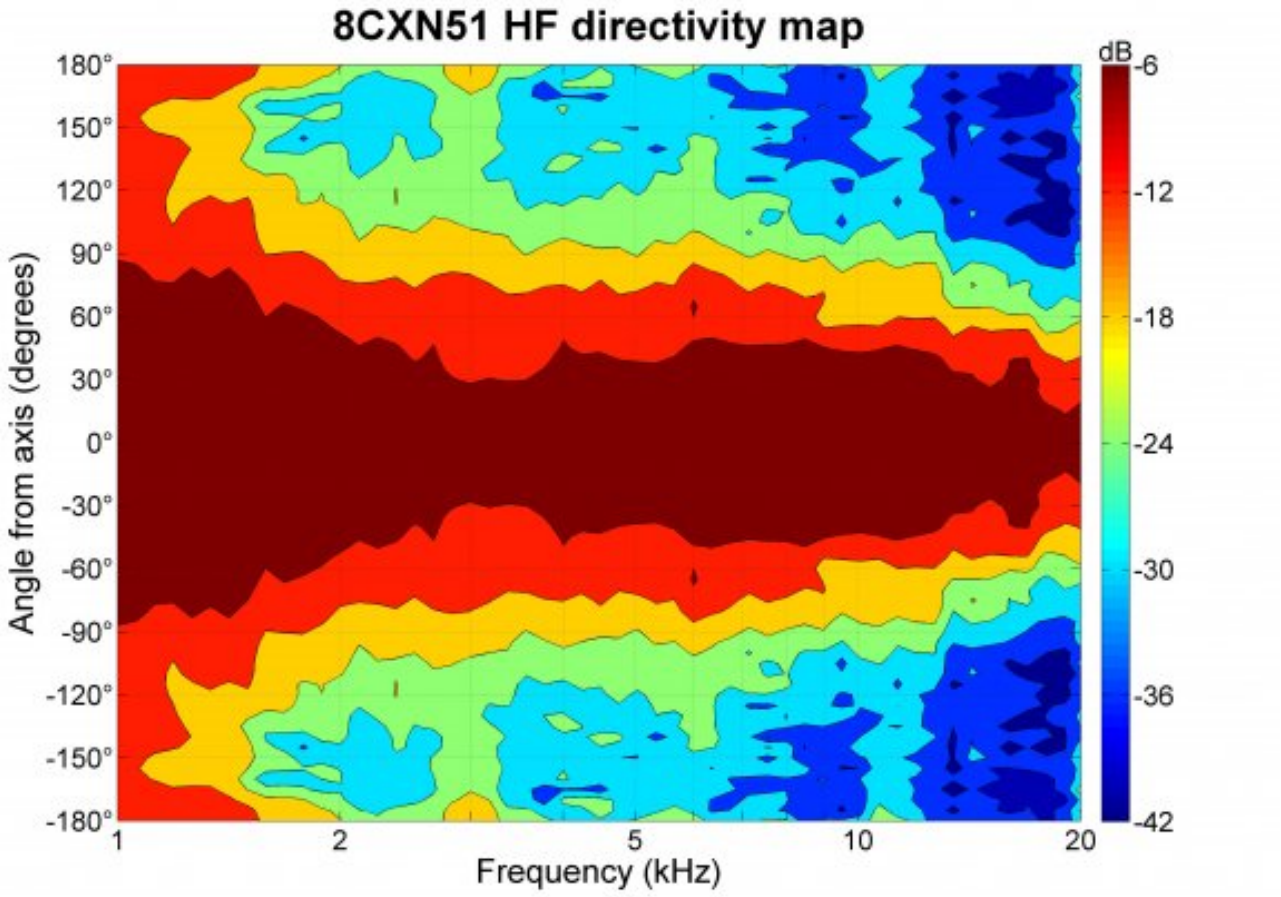




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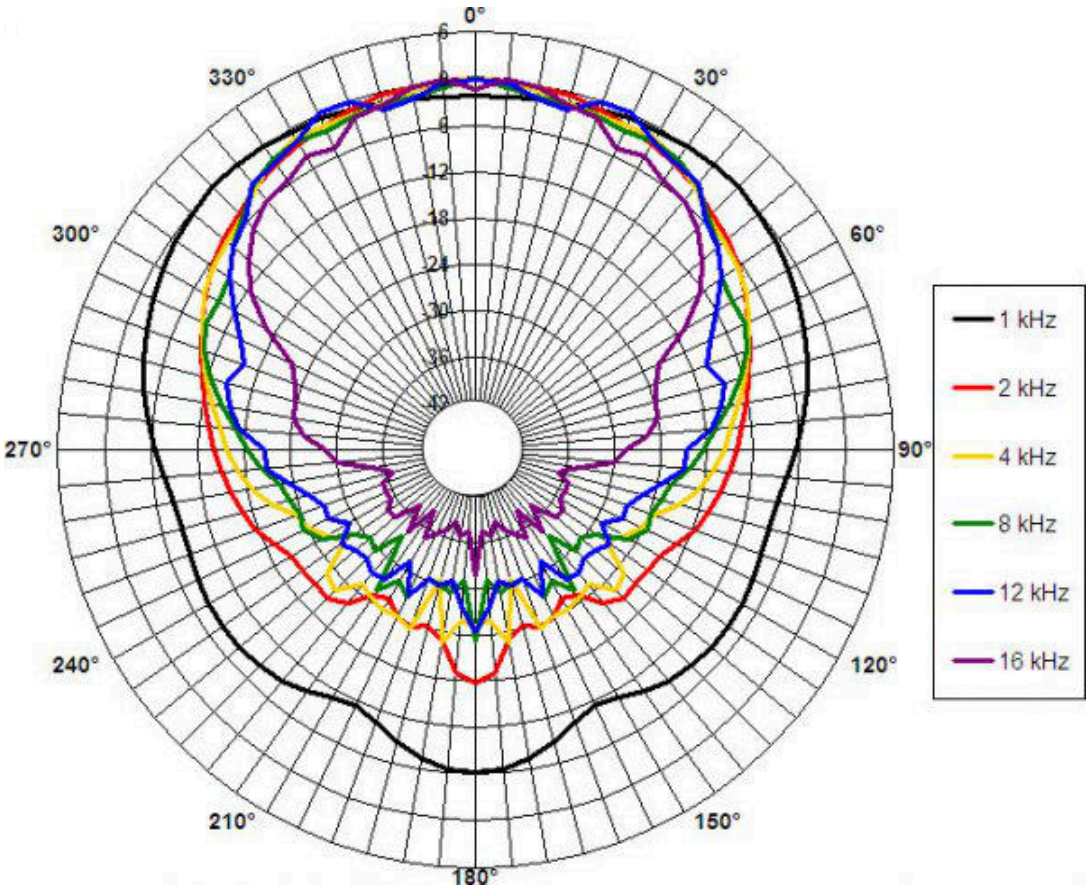
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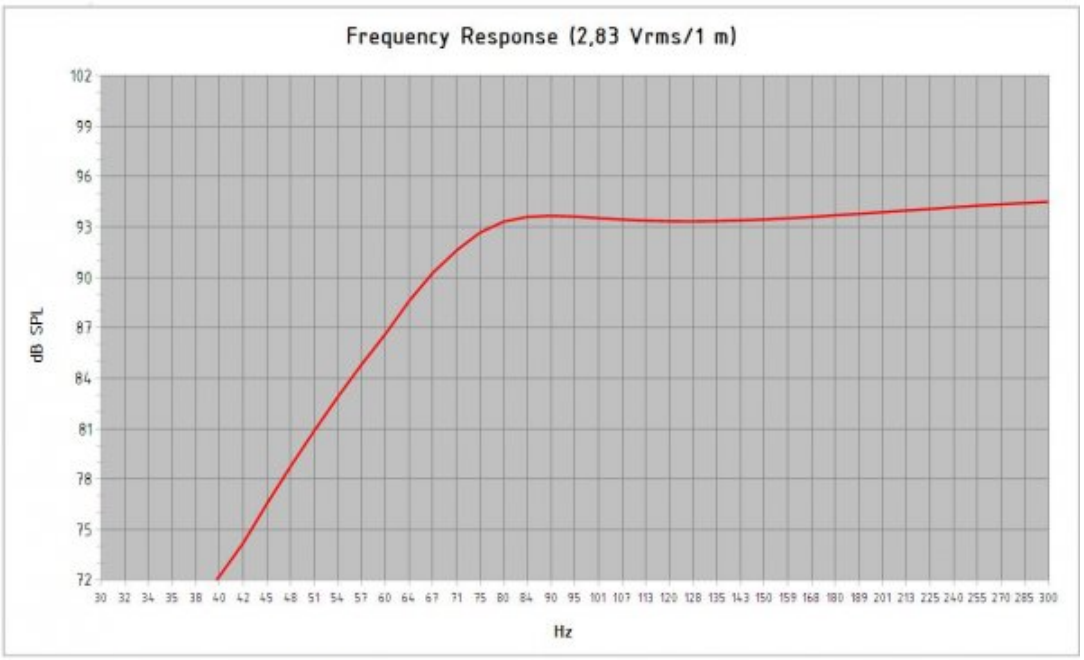




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Model:	***8 CXN 51***				
Enclosure Type:	***Bass Reflex***				
Internal Net Volume (Liters):	***15***				
Tuning Frequency (Hz):	***73***	*Port Area (cm²):*	***43,0***		
Frequency (-3 dB) (Hz):	***73,6***	*Port Length (cm):*	***9,7***		
Excursion 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)*

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