8MBX51 8 Ω

Mid-Bass

- 400 W continuous program power capacity
- 51 mm (2 in) aluminium voice coil
- 60 - 4000 Hz response
- 96.5 dB sensitivity
- Neodymium ring magnet assembly
- Aluminium ring allows a very low distortion figure
- Ventilated voice coil gap for reduced power compression

The MBX series mid-bass woofers from B&C Speakers offer acoustic designers a new range of high efficiency, wide bandwidth alternatives that are not currently available in the B&C range. These full-featured transducers incorporate lightweight neodymium motors, inside/outside wound copper clad aluminum wire voice coils, weatherproof impregnated paper cones, and a symmetrical inductance profile. The MBX Series is especially well suited for two-way loudspeaker enclosures.





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

Nominal Diameter	**200 mm (8 in)**
Nominal Impedance	**8 Ω**
Minimum Impedance	**5.9 Ω**
Nominal Power Handling 2 hours test made with continuous pink noise signal within the range Fs-10Fs. Power calculated on rated minumum impedance. Loudspeaker in free air.	**200 W**
Continuous Power Handling Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	**400 W**
Sensitivity Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.	**96.5 dB**
Frequency Range	**60 Hz - 4000 Hz**
Voice Coil Diameter	**51 mm (2 in)**
Winding Material	**Aluminium**
Former Material	**Glass Fibre**
Winding Depth	**15 mm (0.59 in)**
Magnetic Gap Depth	**7 mm (0.28 in)**
Flux Density	**1.3 T**
Woofer Cone Treatment	**Waterproof Impregnated Cone**

PARAMETERS

Thiele-Small parameters are measured after a high level 20 Hz sine wave preconditioning test.

Fs	**60 Hz**
Re	**4.9 Ω**
Qes	**0.31**
Qms	**5.6**
Qts	**0.29**
Vas	**23 dm³ (0.81 ft³)**
Sd	**220 cm² (34.1 in²)**
η0	**1.7 %**
Xmax	**6 mm**
Xvar	**8 mm**
Mms	**20 g**
Bl	**11.4 Tm**
Le	**0.4 mH**
EBP	**194 Hz**

DESIGN

Surround Shape	**Triple Roll**
Cone Shape	**Curvilinear**
Magnet Material	**Neodymium Ring**
Spider	**Single**
Pole Design	**T-Pole**
Woofer Cone Treatment	**Waterproof Impregnated Cone**
Recommended Enclosure	**19 dm³ (0.67 ft³)**
Recommended Tuning	**63 Hz**

MOUNTING AND SHIPPING INFO

Overall Diameter	**225 mm (8.86 in)**
Bolt Circle Diameter	**210 mm (8.27 in)**
Baffle Cutout Diameter	**187 mm (7.36 in)**
Depth	**93 mm (3.66 in)**
Flange and Gasket Thickness	**9 mm (0.35 in)**
Air Volume Occupied by Driver	**1.1 dm³ (0.04 ft³)**
Net Weight	**1.8 kg (3.97 lb)**
Shipping Units	**1 pcs**
Shipping Weight	**2.25 kg (4.96 lb)**
Shipping Box	**255x255x150 mm (10.04x10.04x5.91 in)**

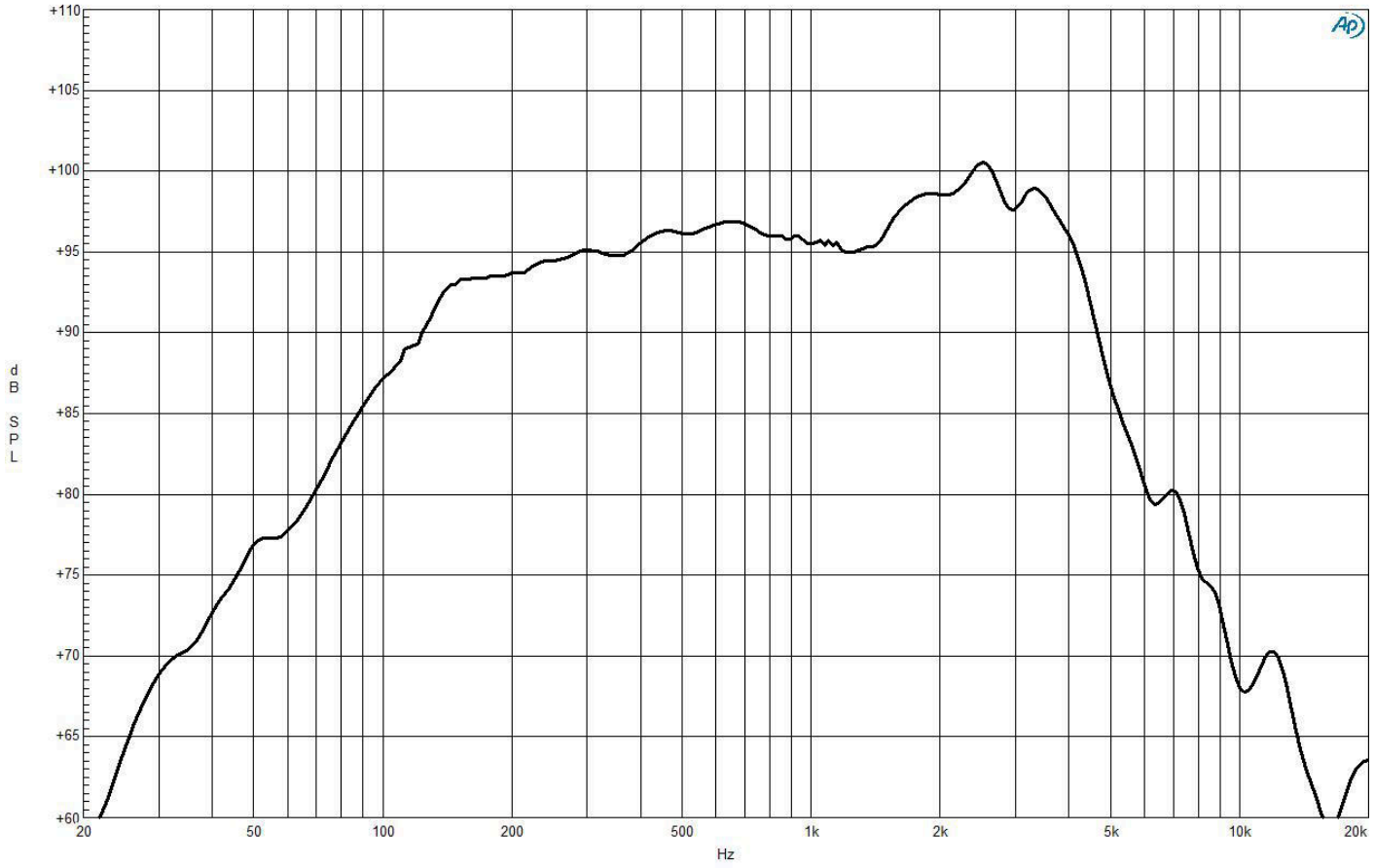
SERVICE KITS

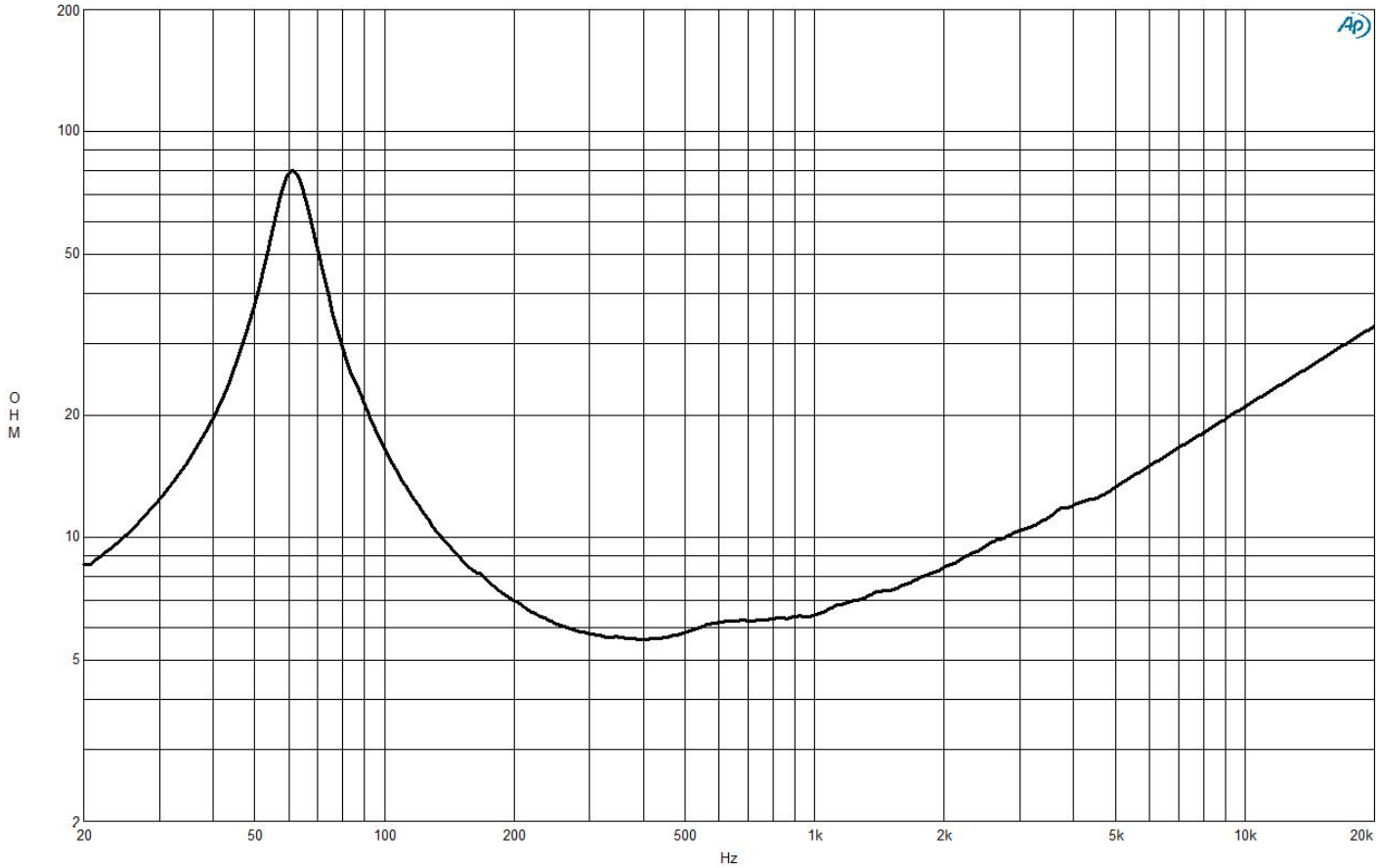
LF recone-kits	**RCK008MBX518**

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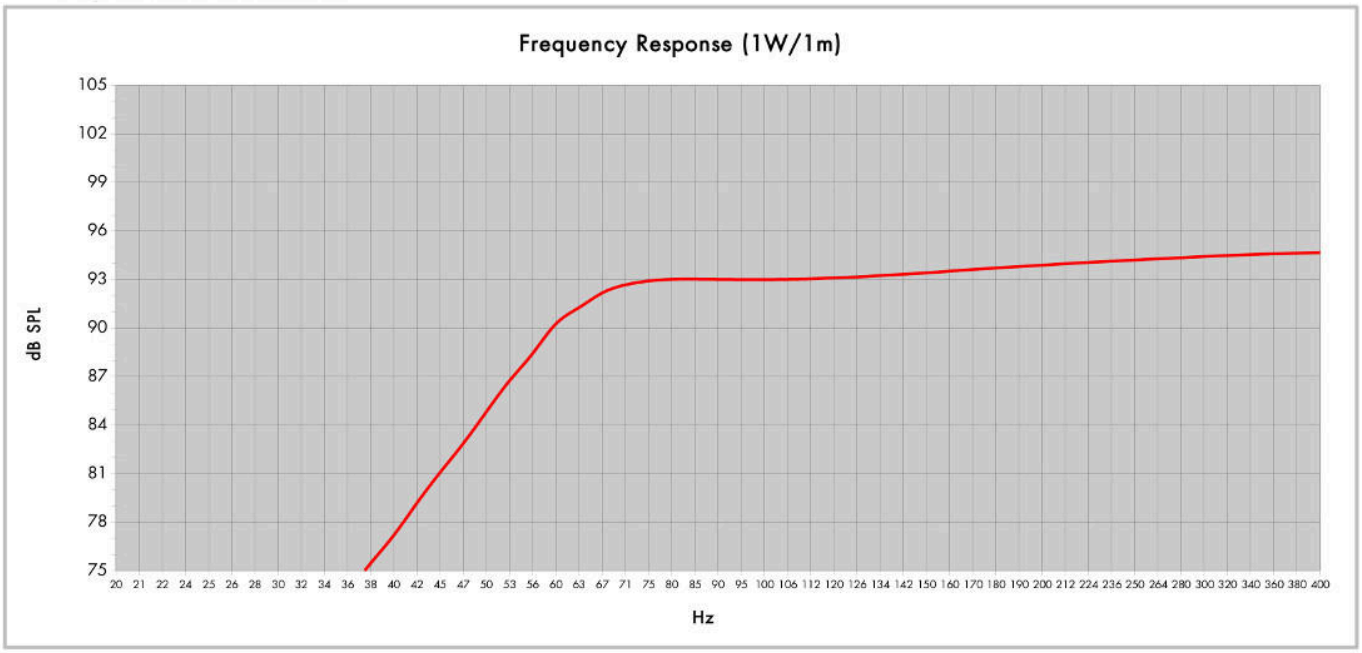




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Model:	8MBX51		
Enclosure Type:	Bass Reflex	Configuration:	One Driver
Internal Net Volume (Litres):	19	QB:	7
Tuning Frequency (Hz):	63	Port Area (cm²):	50,0
Frequency (-3 dB) (Hz):	66,4	Port Length (cm):	13,0
Frequency (-10 dB) (Hz):	50,3		

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