8FMB51 16 Ω

Mid-Bass

- 500 W continuous program power capacity
- 51 mm (2 in) aluminium voice coil
- 68 - 4500 Hz response
- 96 dB sensitivity
- Ventilated voice coil gap for reduced power compression

The FMB 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 lower cost ferrite motors, inside/outside wound copper clad aluminum wire voice coils, weatherproof impregnated paper cones, and a symmetrical inductance profile. The FMB Series is especially well suited for two-way loudspeaker enclosures.





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SPECIFICATIONS

Nominal Diameter	**200 mm (8 in)**
Nominal Impedance	**16 Ω**
Minimum Impedance	**11 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.	**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 4 V for 16 ohms Nominal Impedance.	**96 dB**
Frequency Range	**68 Hz - 4500 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	**8 mm (0.31 in)**
Flux Density	**1.19 T**
Woofer Cone Treatment	**Waterproof Impregnated Cone**

PARAMETERS

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

Fs	**68 Hz**
Re	**9.8 Ω**
Qes	**0.43**
Qms	**4.1**
Qts	**0.39**
Vas	**20.5 dm^3 (0.72 ft^3)**
Sd	**227 cm^2 (35.19 in^2)**
η0	**1.4 %**
Xmax	**5.5 mm**
Xvar	**5 mm**
Mms	**19.7 g**
Bl	**13.73 Tm**
Le	**0.83 mH**
EBP	**158 Hz**

DESIGN

Surround Shape	**Triple Roll**
Cone Shape	**Curvilinear**
Magnet Material	**Ferrite**
Spider	**Single**
Pole Design	**T-Pole**
Woofer Cone Treatment	**Waterproof Impregnated Cone**
Recommended Enclosure	**14 dm^3 (0.49 ft^3)**
Recommended Tuning	**80 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	**92 mm (3.62 in)**
Flange and Gasket Thickness	**9 mm (0.35 in)**
Air Volume Occupied by Driver	**1.1 dm^3 (0.04 ft^3)**
Net Weight	**3.4 kg (7.5 lb)**
Shipping Units	**1 pcs**
Shipping Weight	**3.85 kg (8.49 lb)**
Shipping Box	**255x255x150 mm (10.04x10.04x5.91 in)**

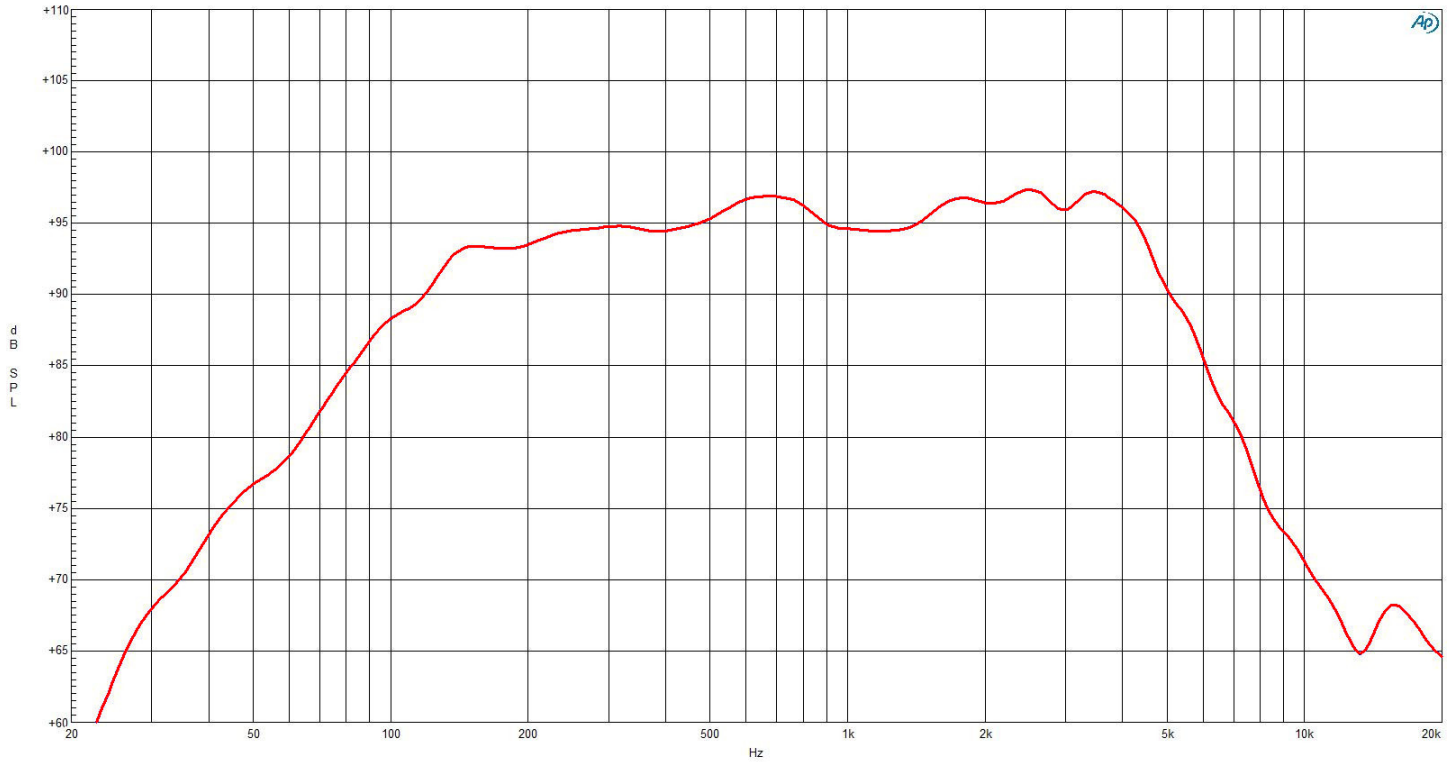
SERVICE KITS

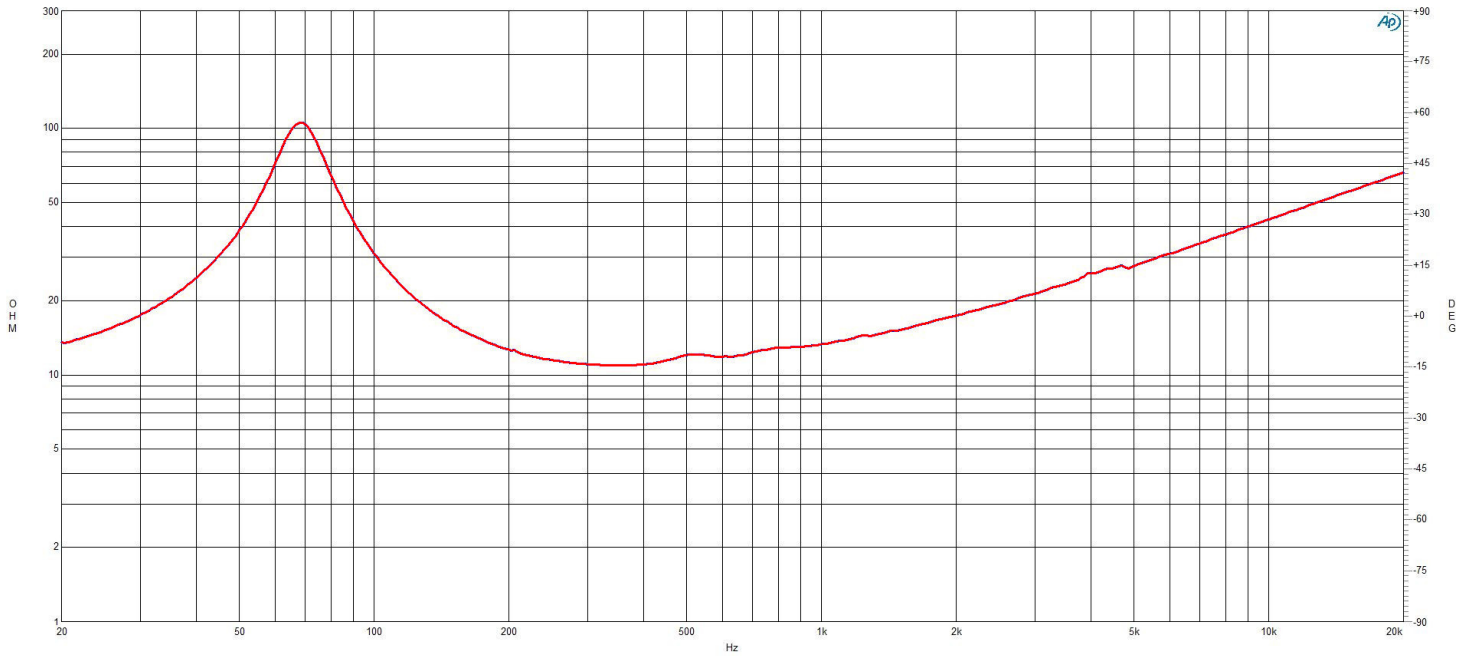
LF recone-kits	**RCK008FMB5116**

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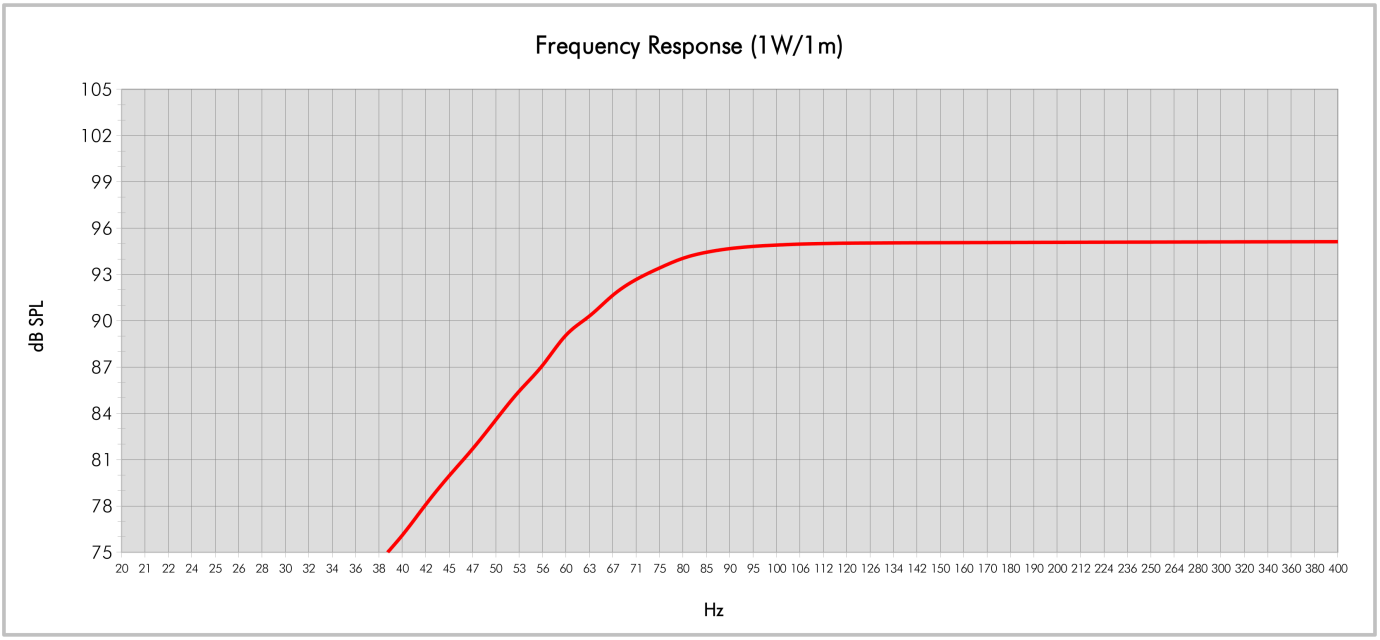
Mid-Bass





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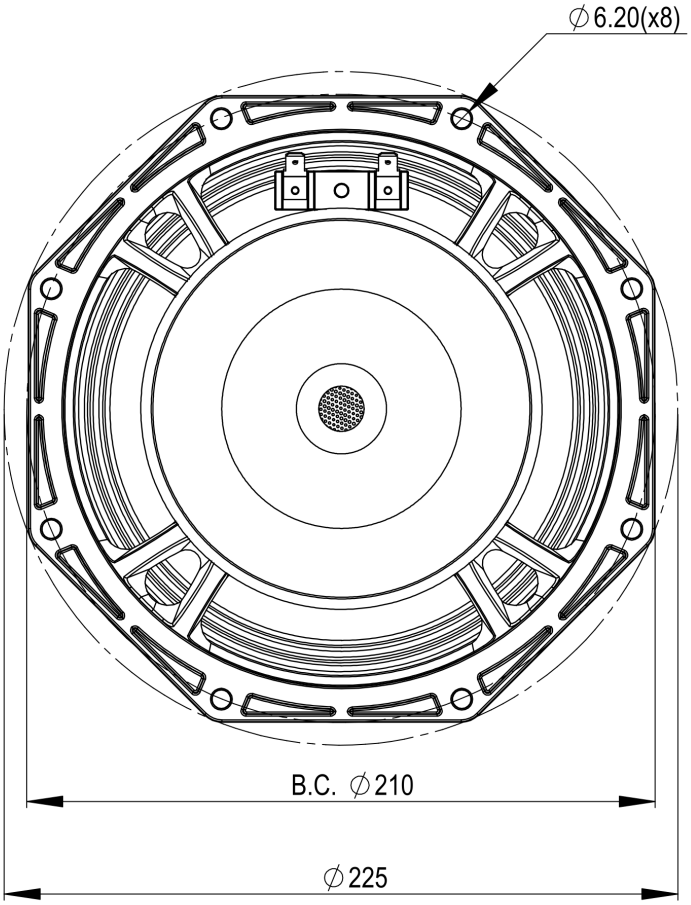


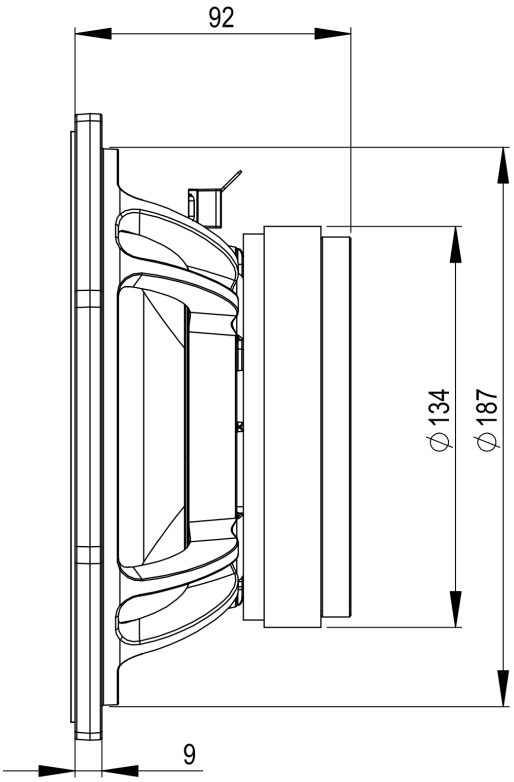
Model:	8FMB51-16		
Enclosure Type:	Bass Reflex	Configuration:	One Driver
Internal Net Volume (Litres):	19	QB:	7
Tuning Frequency (Hz):	69	Port Area (cm²):	51,0
Frequency (-3 dB) (Hz):	68,9	Port Length (cm):	9,9
Frequency (-10 dB) (Hz):	52,5		

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