

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	250 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	500 W
Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	
Sensitivity	96 dB
Applied RMS Voltage is set to 4 V for 16 ohms Nominal Impedance.	
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 dm³ (0.72 ft³)
Sd	227 cm² (35.19 in²)
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

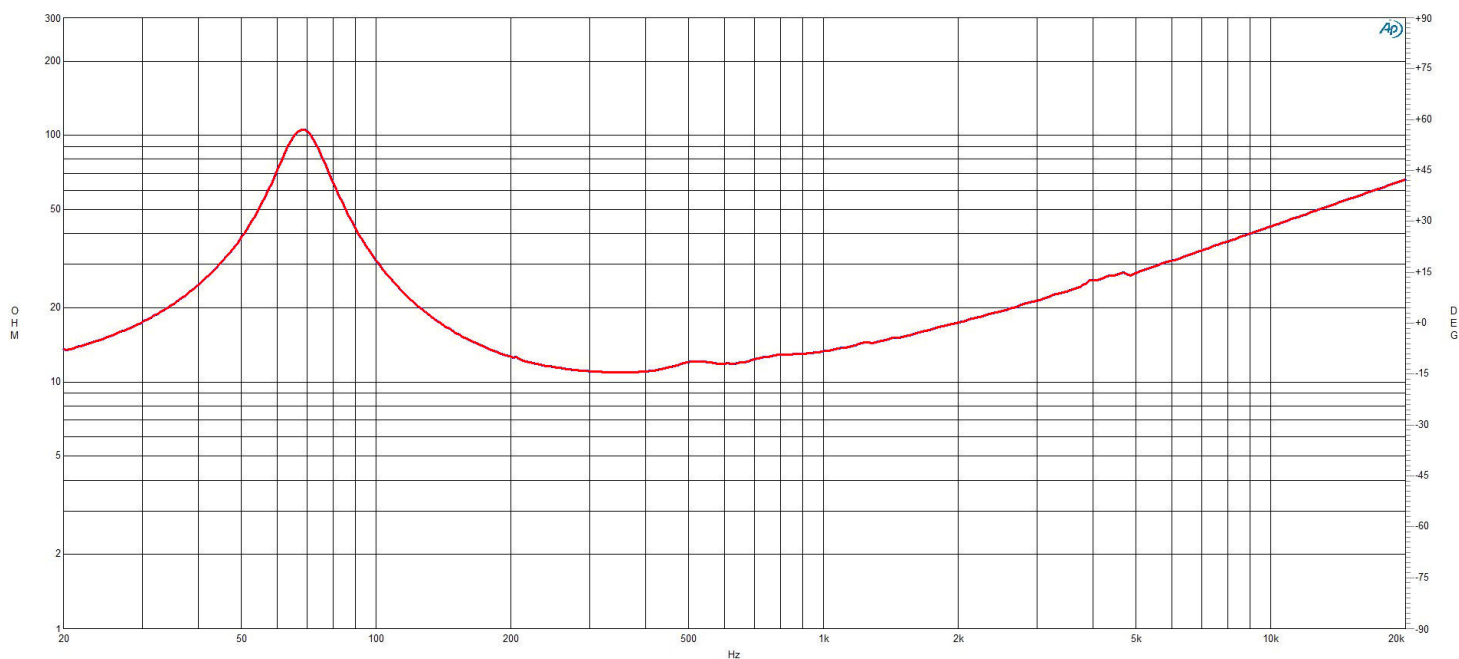
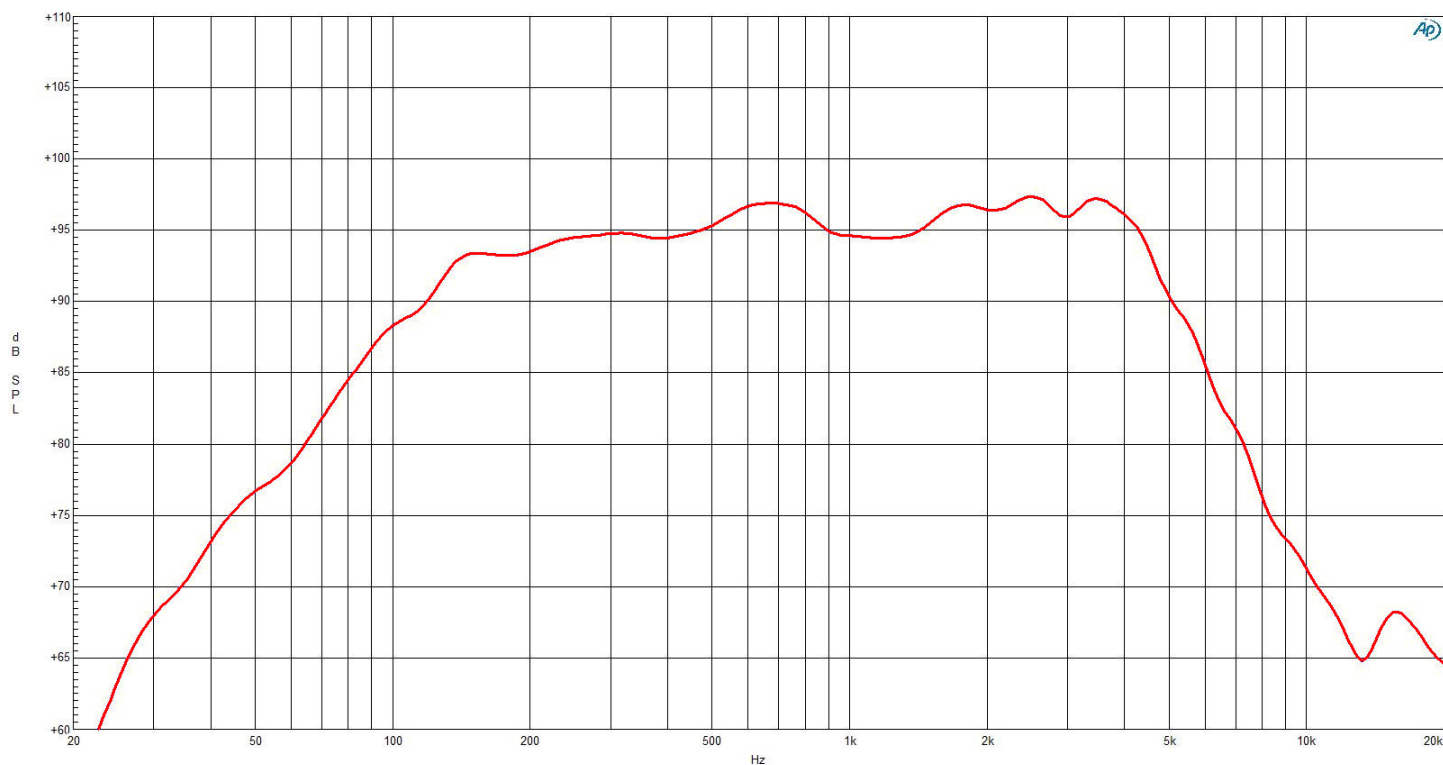
Surround Shape	Triple Roll
Cone Shape	Curvilinear
Magnet Material	Ferrite
Spider	Single
Pole Design	T-Pole
Woofer Cone Treatment	Waterproof Impregnated Cone
Recommended Enclosure	14 dm³ (0.49 ft³)
Recommended Tuning	80 Hz

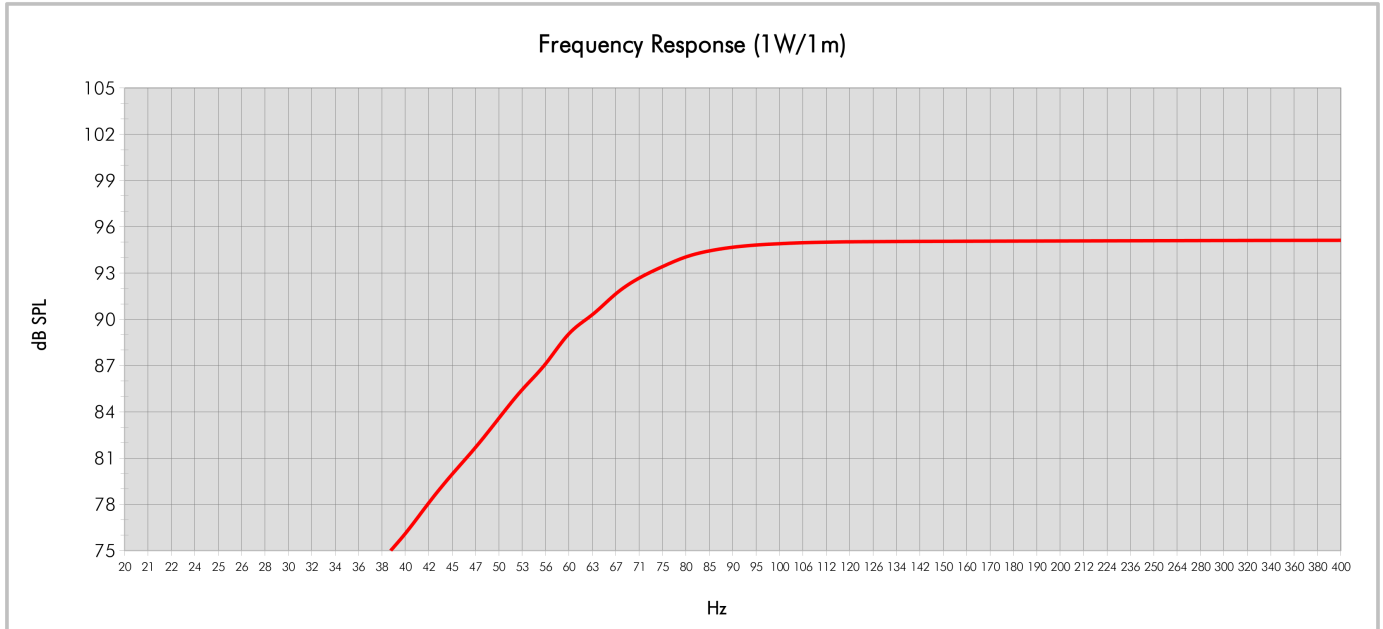
MOUNTING AND SHIPPING INFO

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 dm³ (0.04 ft³)
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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Model:	8FMB51-16	Configuration:	One Driver
Enclosure Type:	Bass Reflex		
Internal Net Volume (Litres):	19	QB:	7
Tuning Frequency (Hz):	69	Port Area (cm ²):	51,0
Frequency (-3 dB) (Hz):	68,9	Port Length (cm):	9,9
Frequency (-10 dB) (Hz):	52,5		

LF Drivers

Ø 8 inches

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