# 8FMB51 8 Ω

## Mid-Bass

- 500 W continuous program power capacity
- 51 mm (2 in) aluminium voice coil
- 67 - 4500 Hz response
- 96.5 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.







**B&C Speakers S.p.A.** Via Poggiomoro, 1 - Loc. Vallina, 50012 Bagno a Ripoli (FI) | ITALY
Tel. +39 055 65721 | Fax +39 055 6572312 | mail@bcspeakers.com

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## SPECIFICATIONS

| | |
|---|---|
| Nominal Diameter | **200 mm (8 in)** |
| Nominal Impedance | **8 Ω** |
| Minimum Impedance | **5.5 Ω** |
| Nominal Power Handling<br>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<br>Power on Continuous Program is defined as 3 dB greater than the Nominal rating. | **500 W** |
| Sensitivity<br>Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance. | **96.5 dB** |
| Frequency Range | **67 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 | **67 Hz** |
| Re | **4.7 Ω** |
| Qes | **0.31** |
| Qms | **3.07** |
| Qts | **0.28** |
| Vas | **20.7 $dm^3$ (0.73 $ft^3$)** |
| Sd | **227 $cm^2$ (35.19 $in^2$)** |
| η0 | **1.91 %** |
| Xmax | **5.5 mm** |
| Xvar | **5 mm** |
| Mms | **20.2 g** |
| Bl | **11.3 Tm** |
| Le | **0.48 mH** |
| EBP | **216 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 | **1.2 $dm^3$ (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

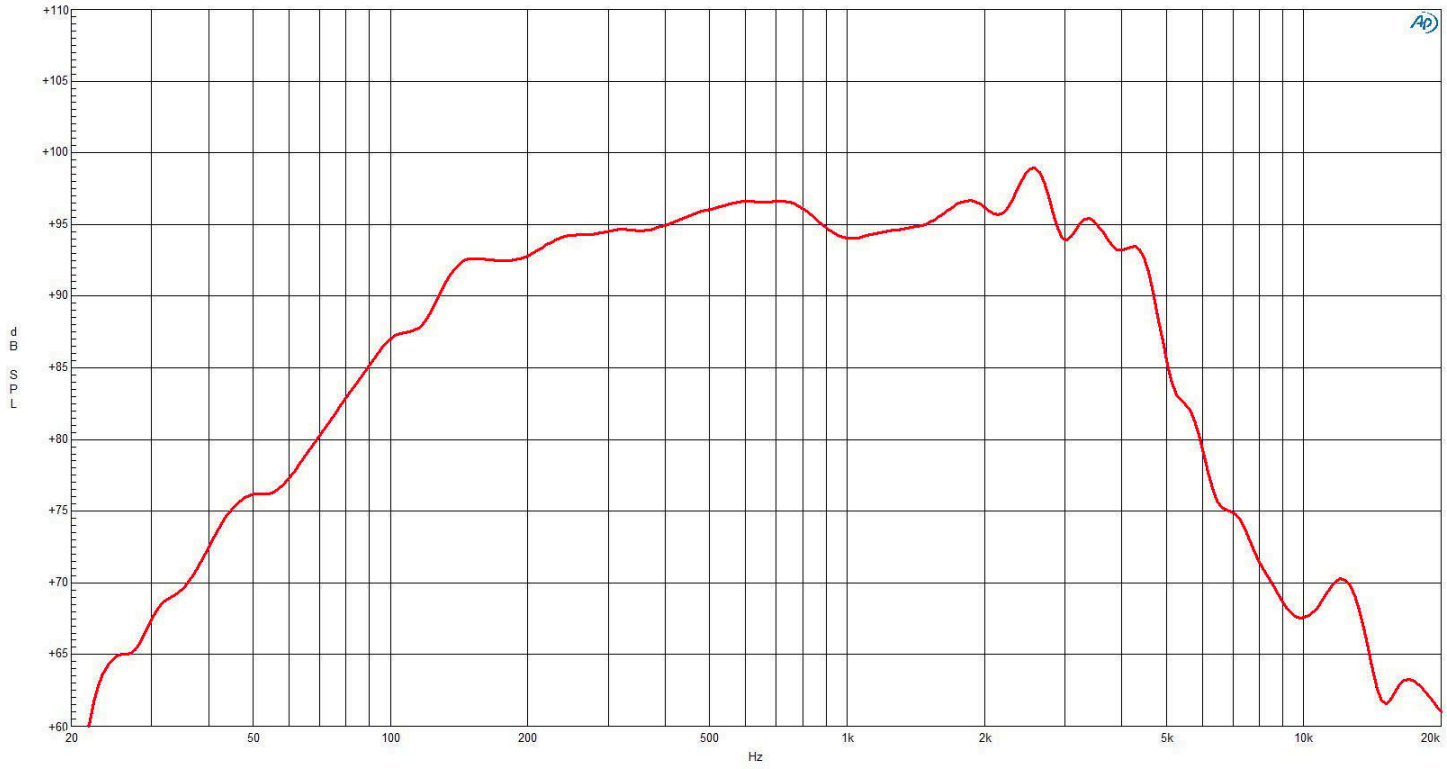
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| LF recone-kits | **RCK008FMB518** |

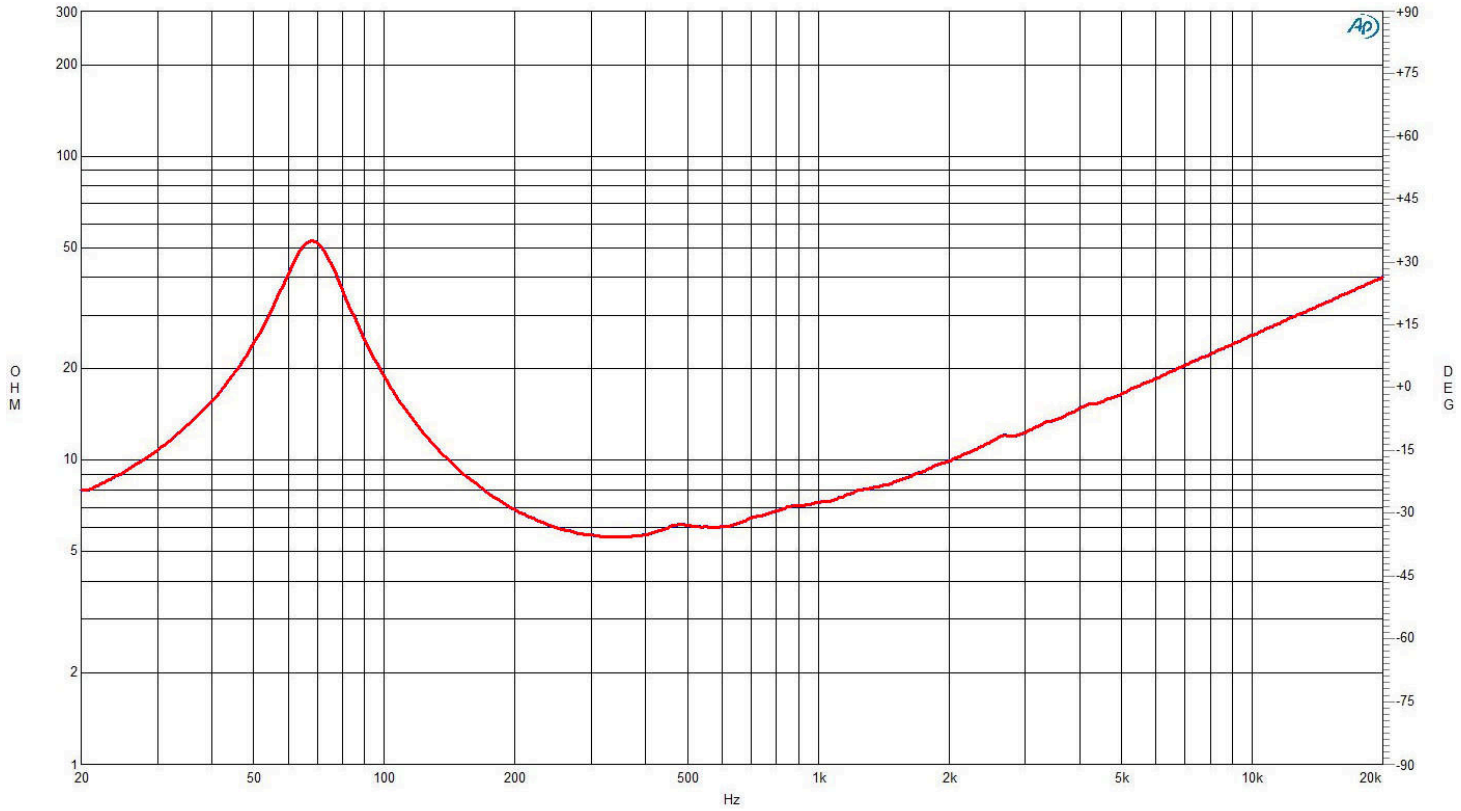


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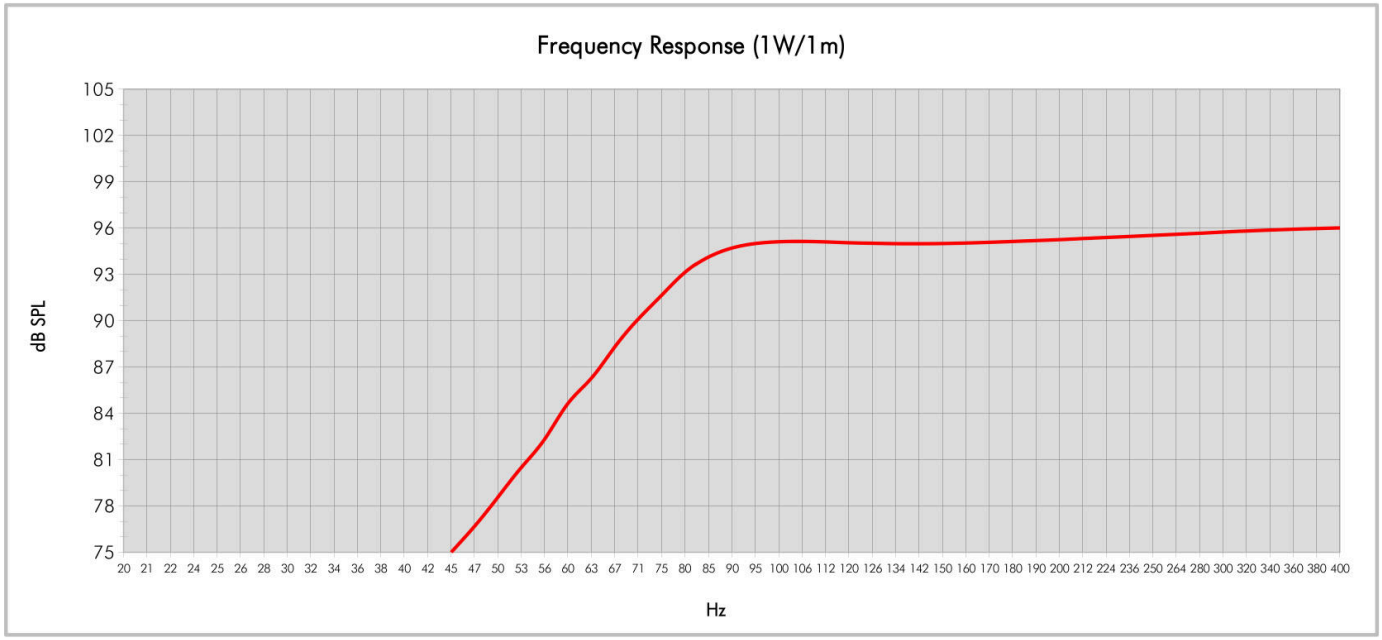






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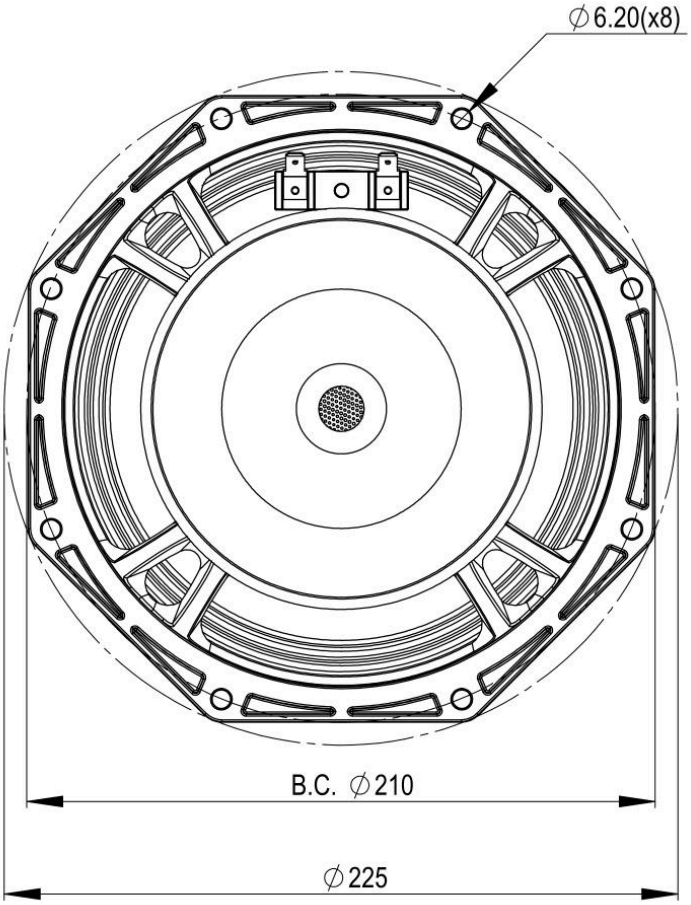

| | | | |
|---|---|---|---|
| Model: | 8FMB51 | | |
| Enclosure Type: | Bass Reflex | Configuration: | One Driver |
| Internal Net Volume (Litres): | 14 | QB: | 7 |
| Tuning Frequency (Hz): | 80 | Port Area (cm²): | 51,0 |
| Frequency (-3 dB) (Hz): | 81,7 | Port Length (cm): | 10,1 |
| Frequency (-10 dB) (Hz): | 63,4 | | |

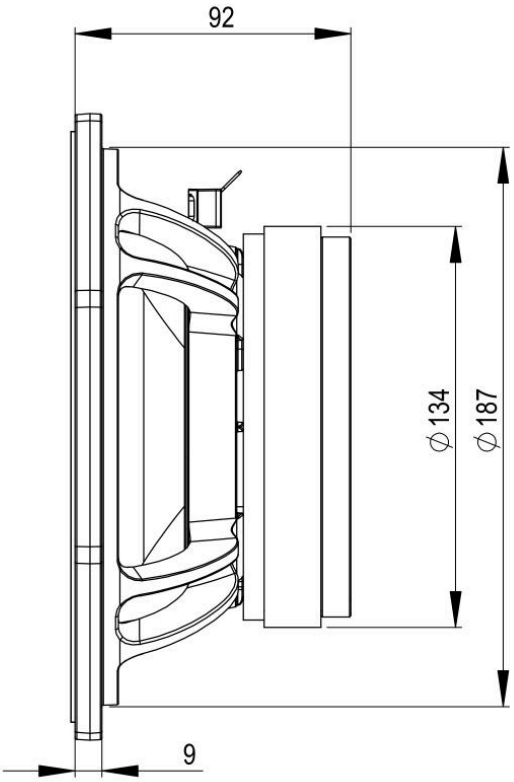


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