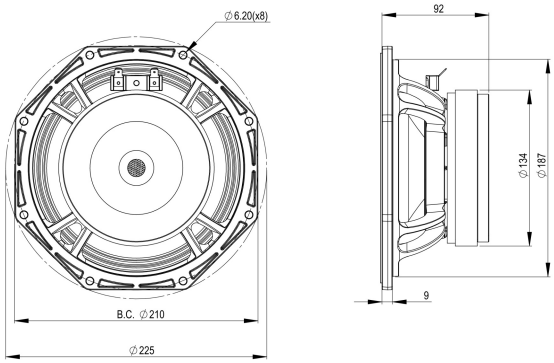
# 8FMB51

8Ω

**LF Drivers** - 8.0 Inches




- 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.**

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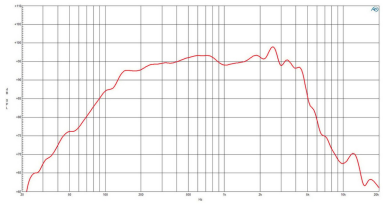

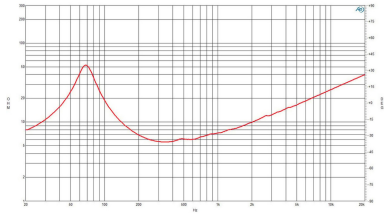

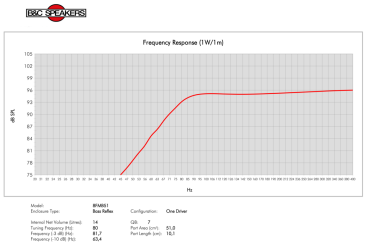


## SPECIFICATIONS

| | |
|---|---|
| Nominal Diameter | 200 mm (8.0 in) |
| Nominal Impedance | 8 Ω |
| Minimum Impedance | 5.5 Ω |
| Nominal Power Handling[1] | 250 W |
| Continuous power handling[2] | 500 W |
| Sensitivity (1W/1m)[3] | 96.5 dB |
| Frequency Range | 67 - 4500 Hz |
| Voice Coil Diameter | 51 mm (2.0 in) |
| Winding Material | Aluminium |
| Former Material | Glass Fibre |
| Winding Depth | 15.0 mm (0.59 in) |
| Magnetic Gap Depth | 8.0 mm (0.31 in) |
| Flux Density | 1.19 T |

## DESIGN

| | |
|---|---|
| Surround Shape | Triple Roll |
| Cone Shape | Curvilinear |
| Magnet Material | Ferrite Ring |
| Spider | Single |
| Pole Design | T-Pole |
| Woofer Cone Treatment | Waterproof Impregnated Cone |
| Recommended Enclosure | 14.0 $dm^3$ (0.49 $ft^3$) |
| Recommended Tuning | 80 Hz |

## PARAMETERS[4]

| | |
|---|---|
| Resonance Frequency | 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 | 227.0 $cm^2$ (35.19 $in^2$) |
| $\eta_0$ | 1.91 % |
| Xmax | ± 5.5 mm |
| Xvar | ± 5.0 mm |
| Mms | 20.2 g |
| Bl | 11.3 Txm |
| Le | 0.48 mH |
| EBP | 216 Hz |

## MOUNTING AND SHIPPING INFO

| | |
|---|---|
| Overall Diameter | 225 mm (8.86 in) |
| Bolt Circle Diameter | 210 mm (8.27 in) |
| Baffle Cutout Diameter | 187.0 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 | 4.0 kg (8.82 lb) |
| Shipping Units | 1 |
| Shipping Weight | 4.45 kg (9.81 lb) |
| Shipping Box | 255x255x150 mm (10.04x10.04x5.91 in) |

1. 2 hours test made with continuous pink noise signal within the range Fs-10Fs. Power calculated on rated minumum impedance. Loudspeaker in free air.
2. Power on Continuous Program is defined as 3 dB greater than the Nominal rating.
3. Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.
4. Thiele-Small parameters are measured after a high level 20 Hz sine wave preconditioning test.

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