

## 10MBX64 8 Ω

## Mid-Bass

- 700 W continuous program power capacity
- 64 mm (2.5 in) aluminium voice coil
- 65 - 6000 Hz response
- 100 dB sensitivity
- Neodymium inside slug magnet assembly
- Aluminium demodulating 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 aluminium wire voice coils, weatherproof impregnated paper cones, and a symmetrical inductance profile. The MBX Series is especially well suited for two-way loudspeaker enclosures.



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### SPECIFICATIONS

Nominal Diameter	<b>250 mm (10 in)</b>
Nominal Impedance	<b>8 Ω</b>
Minimum Impedance	<b>6.5 Ω</b>
Nominal Power Handling	<b>350 W</b>
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	<b>700 W</b>
Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	
Sensitivity	<b>100 dB</b>
Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.	
Frequency Range	<b>65 Hz - 6000 Hz</b>
Voice Coil Diameter	<b>64 mm (2.5 in)</b>
Winding Material	<b>Aluminium</b>
Former Material	<b>Glass Fibre</b>
Winding Depth	<b>12 mm (0.47 in)</b>
Magnetic Gap Depth	<b>8 mm (0.31 in)</b>
Flux Density	<b>1.25 T</b>
Woofer Cone Treatment	<b>Waterproof Impregnated Cone</b>

### PARAMETERS

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

Fs	<b>65 Hz</b>
Re	<b>5.5 Ω</b>
Qes	<b>0.27</b>
Qms	<b>5.6</b>
Qts	<b>0.26</b>
Vas	<b>28 dm<sup>3</sup> (0.99 ft<sup>3</sup>)</b>
Sd	<b>346 cm<sup>2</sup> (53.63 in<sup>2</sup>)</b>
η0	<b>3.2 %</b>
Xmax	<b>4 mm</b>
Xvar	<b>5.5 mm</b>
Mms	<b>32 g</b>
Bl	<b>16.9 Tm</b>
Le	<b>0.39 mH</b>
EBP	<b>241 Hz</b>

### DESIGN

Surround Shape	<b>Double Roll</b>
Cone Shape	<b>Radial</b>
Magnet Material	<b>Neodymium Inside Slug</b>
Spider	<b>Single</b>
Pole Design	<b>T-Pole</b>
Woofer Cone Treatment	<b>Waterproof Impregnated Cone</b>
Recommended Enclosure	<b>26 dm<sup>3</sup> (0.92 ft<sup>3</sup>)</b>
Recommended Tuning	<b>65 Hz</b>

### MOUNTING AND SHIPPING INFO

Overall Diameter	<b>261 mm (10.28 in)</b>
Bolt Circle Diameter	<b>245 mm (9.65 in)</b>
Baffle Cutout Diameter	<b>230 mm (9.06 in)</b>
Depth	<b>125 mm (4.92 in)</b>
Flange and Gasket Thickness	<b>14 mm (0.55 in)</b>
Air Volume Occupied by Driver	<b>1.5 dm<sup>3</sup> (0.05 ft<sup>3</sup>)</b>
Net Weight	<b>3.25 kg (7.17 lb)</b>
Shipping Units	<b>1 pcs</b>
Shipping Weight	<b>3.85 kg (8.49 lb)</b>
Shipping Box	<b>295x314x175 mm (11.61x12.36x6.89 in)</b>

### SERVICE KITS

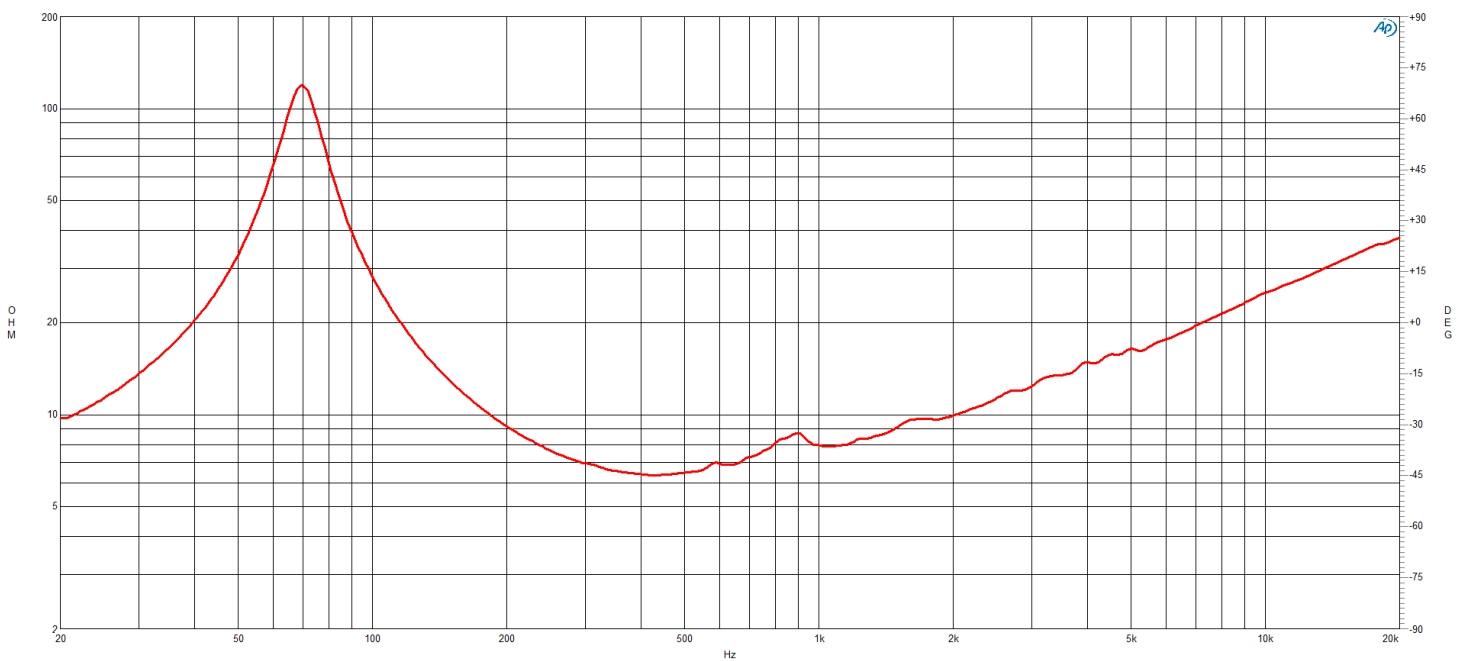
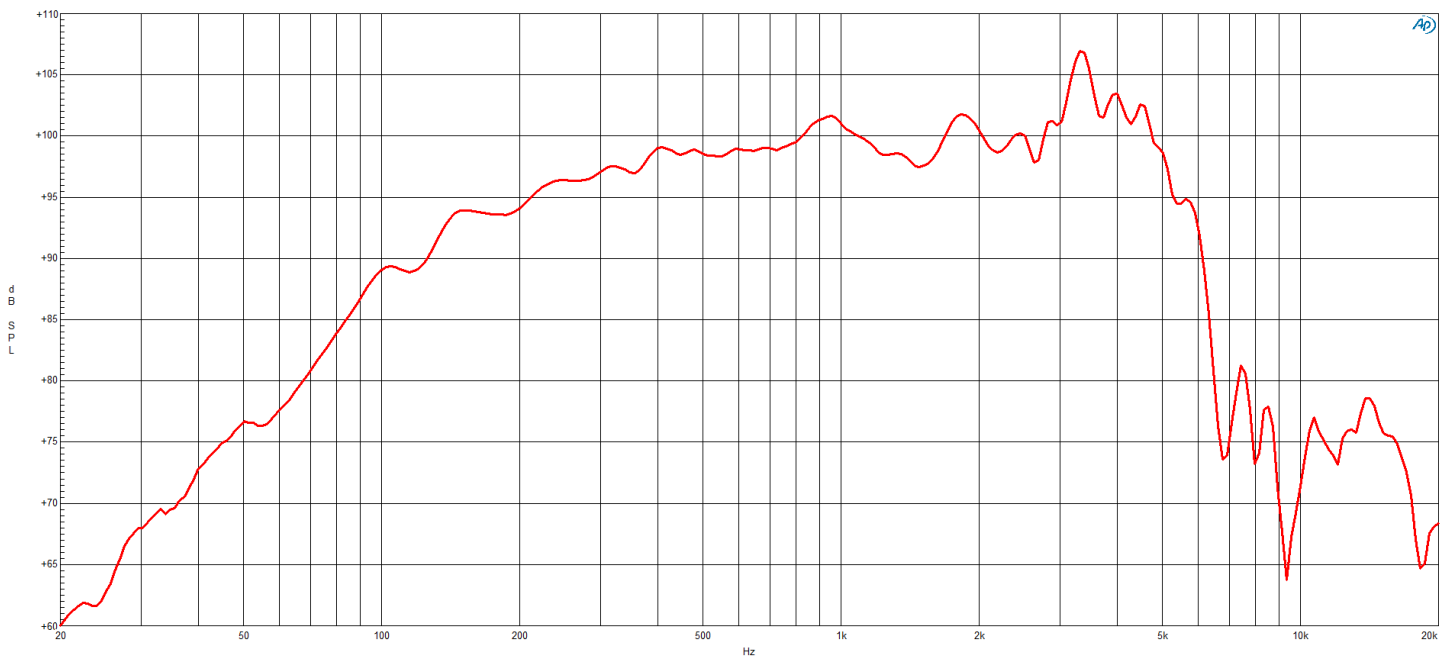
LF recone-kits	<b>RCK10MBX648</b>
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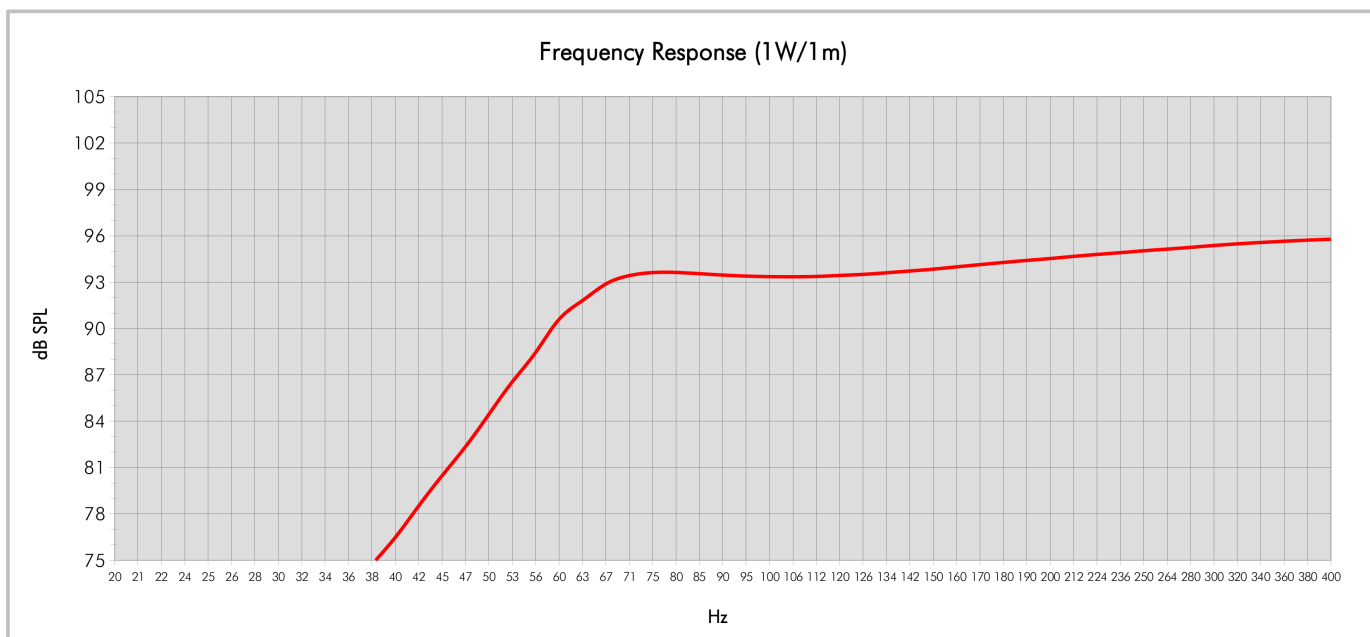
# LF Drivers

Ø 10 inches

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Model:	<b>10MBX64</b>	Configuration:	<b>One Driver</b>
Enclosure Type:	<b>Bass Reflex</b>		
Internal Net Volume (Litres):	<b>26</b>	QB:	<b>6</b>
Tuning Frequency (Hz):	<b>65</b>	Port Area (cm <sup>2</sup> ):	<b>111,0</b>
Frequency (-3 dB) (Hz):	<b>71,1</b>	Port Length (cm):	<b>20,0</b>
Frequency (-10 dB) (Hz):	<b>52,8</b>		

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