10MBX64 16 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 aluminum 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	**250 mm (10 in)**
Nominal Impedance	**16 Ω**
Minimum Impedance	**11.3 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.	**350 W**
Continuous Power Handling Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	**700 W**
Sensitivity Applied RMS Voltage is set to 4 V for 16 ohms Nominal Impedance.	**100 dB**
Frequency Range	**65 Hz - 6000 Hz**
Voice Coil Diameter	**64 mm (2.5 in)**
Winding Material	**Aluminium**
Former Material	**Glass Fibre**
Winding Depth	**12 mm (0.47 in)**
Magnetic Gap Depth	**8 mm (0.31 in)**
Flux Density	**1.25 T**
Woofer Cone Treatment	**Waterproof Impregnated Cone**

PARAMETERS

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

Fs	**65 Hz**
Re	**10.2 Ω**
Qes	**0.32**
Qms	**5.8**
Qts	**0.3**
Vas	**30 dm³ (1.06 ft³)**
Sd	**346 cm² (53.63 in²)**
η0	**3 %**
Xmax	**4 mm**
Xvar	**5.5 mm**
Mms	**30 g**
Bl	**20.5 Tm**
Le	**0.57 mH**
EBP	**203 Hz**

DESIGN

Surround Shape	**Double Roll**
Cone Shape	**Radial**
Magnet Material	**Neodymium Inside Slug**
Spider	**Single**
Pole Design	**T-Pole**
Woofer Cone Treatment	**Waterproof Impregnated Cone**
Recommended Enclosure	**26 dm³ (0.92 ft³)**
Recommended Tuning	**65 Hz**

MOUNTING AND SHIPPING INFO

Overall Diameter	**261 mm (10.28 in)**
Bolt Circle Diameter	**245 mm (9.65 in)**
Baffle Cutout Diameter	**230 mm (9.06 in)**
Depth	**125 mm (4.92 in)**
Flange and Gasket Thickness	**14 mm (0.55 in)**
Air Volume Occupied by Driver	**1.5 dm³ (0.05 ft³)**
Net Weight	**3.25 kg (7.17 lb)**
Shipping Units	**1 pcs**
Shipping Weight	**3.85 kg (8.49 lb)**
Shipping Box	**295x314x175 mm (11.61x12.36x6.89 in)**

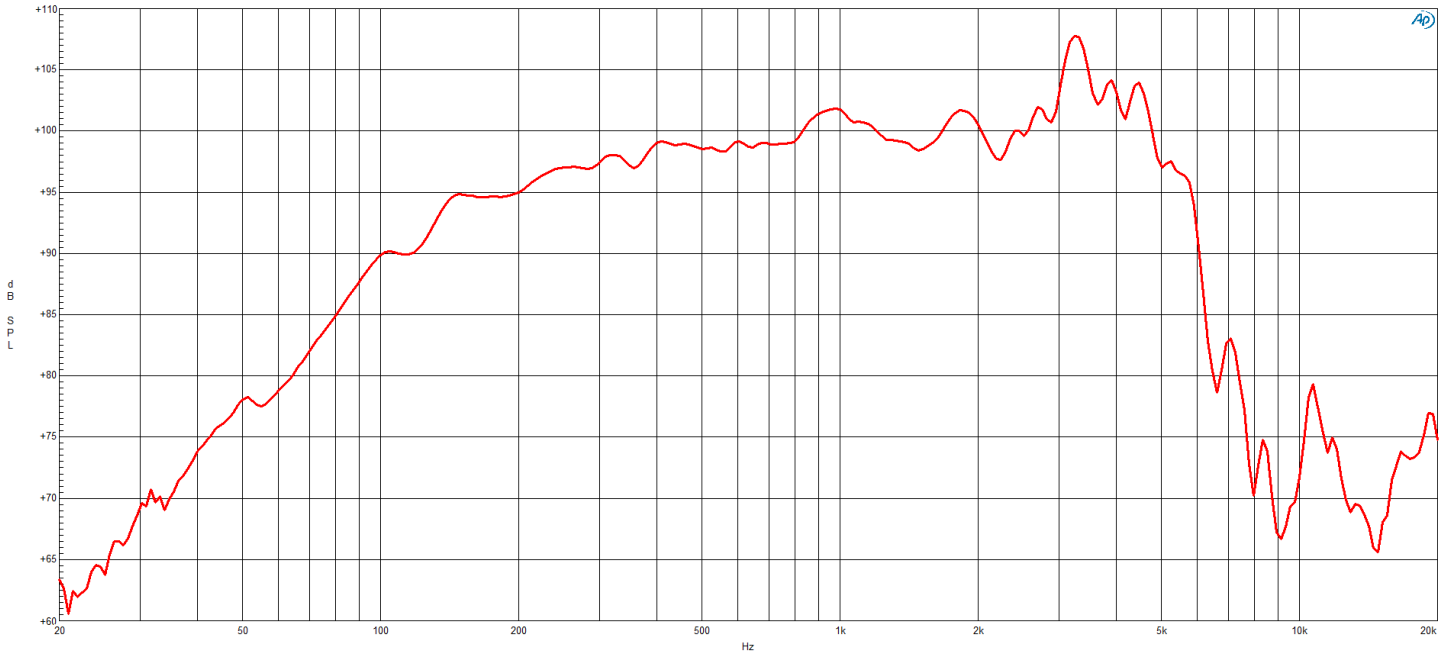
SERVICE KITS

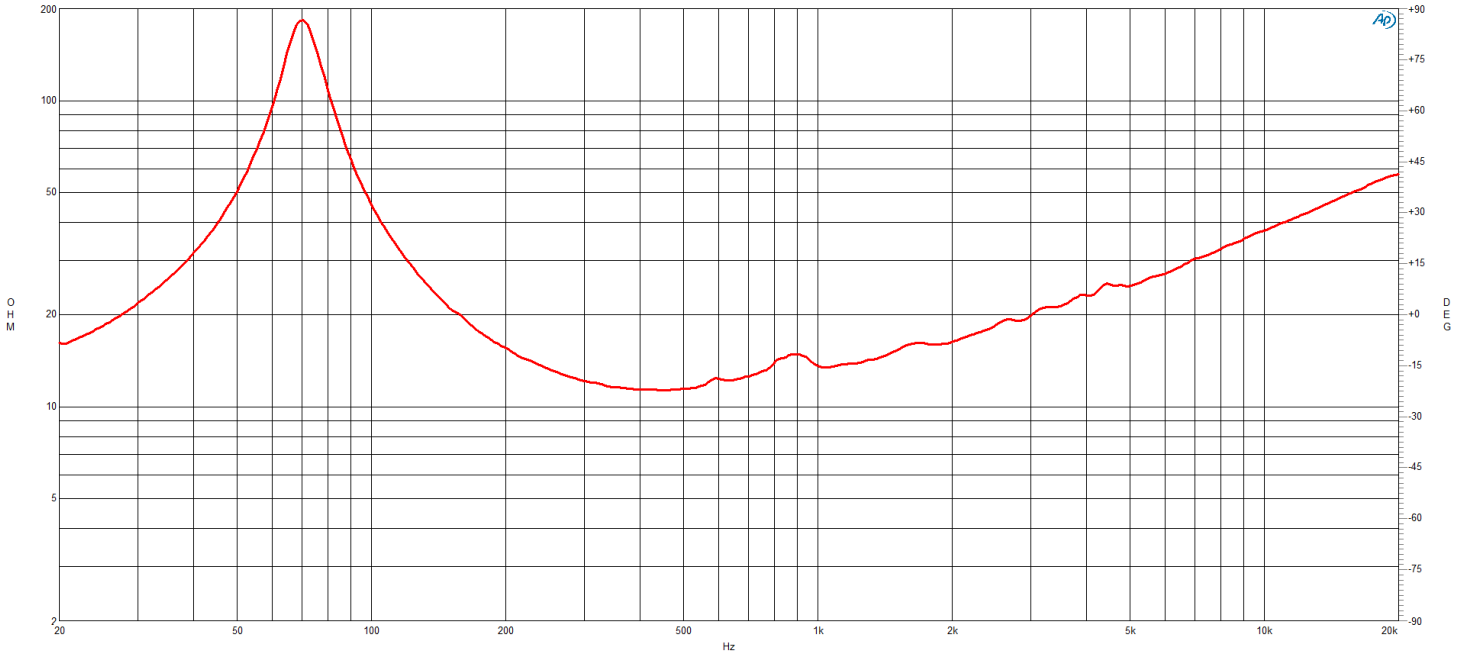
LF recone-kits	**RCK10MBX6416**

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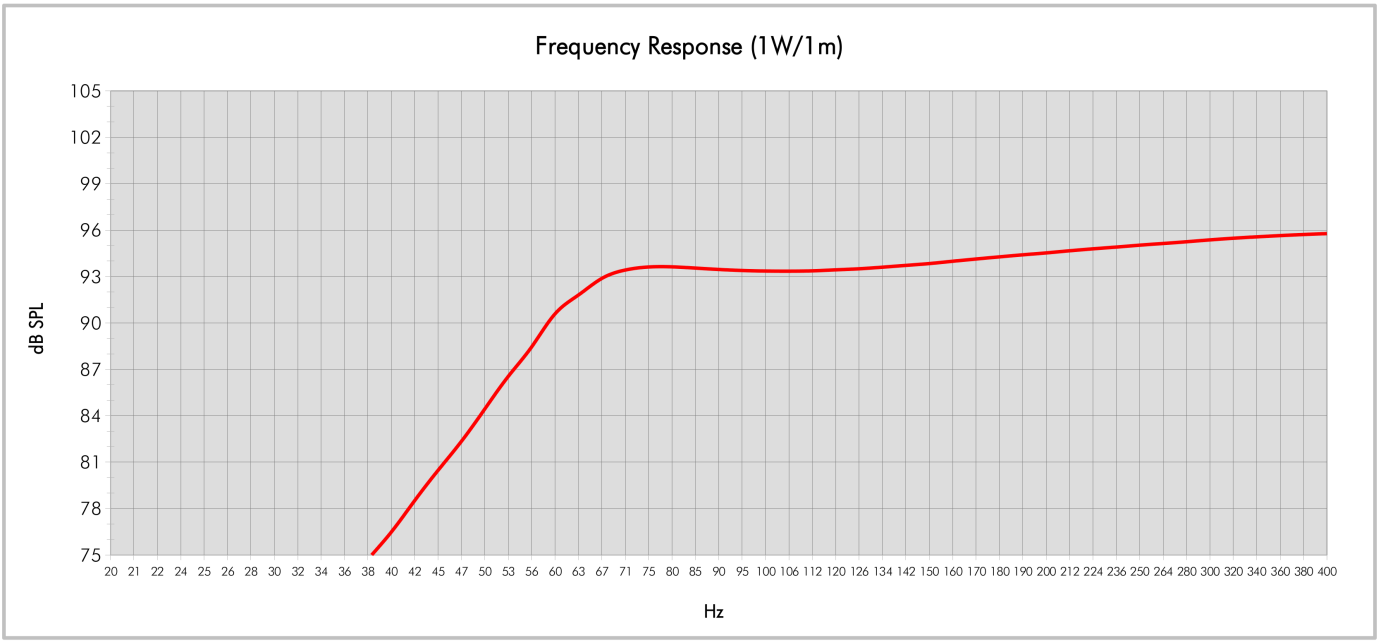
Mid-Bass





10MBX64 16 Ω

Mid-Bass

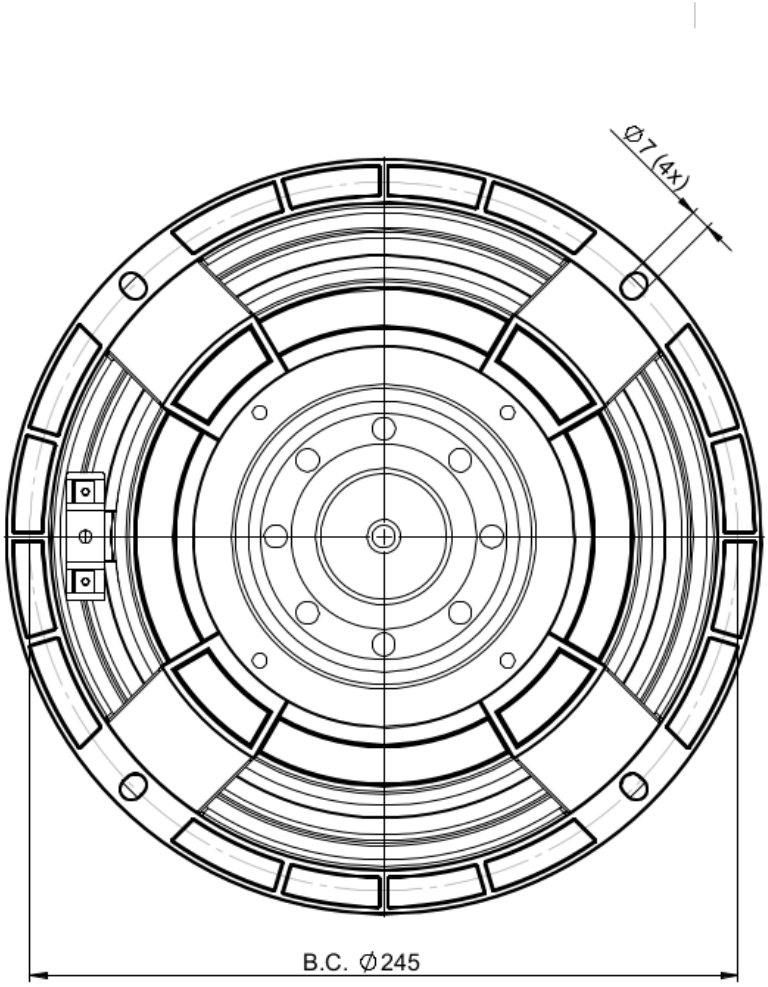


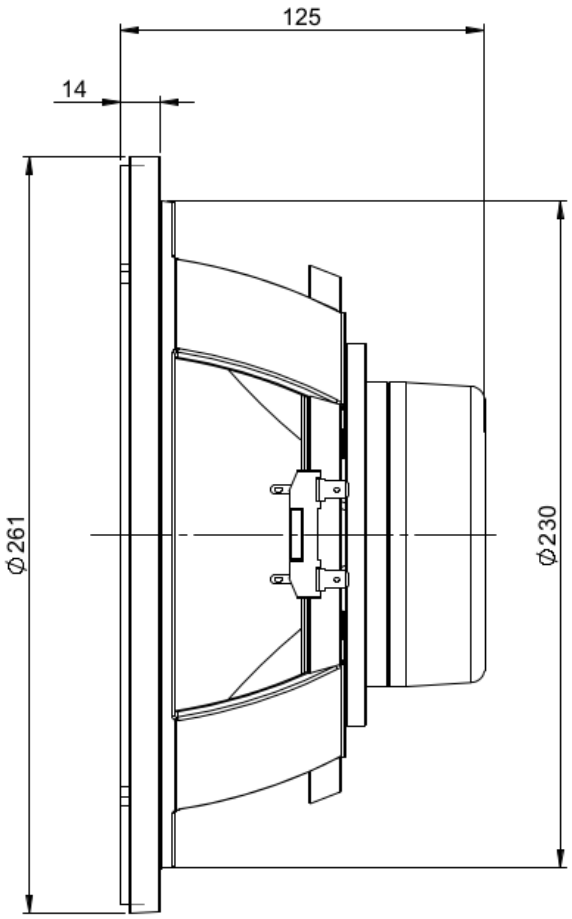
Model:	10MBX64		
Enclosure Type:	Bass Reflex	Configuration:	One Driver
Internal Net Volume (Litres):	26	QB:	6
Tuning Frequency (Hz):	65	Port Area (cm^2):	111,0
Frequency (-3 dB) (Hz):	71,1	Port Length (cm):	20,0
Frequency (-10 dB) (Hz):	52,8		

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