

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	350 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	700 W
Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	
Sensitivity	100 dB
Applied RMS Voltage is set to 4 V for 16 ohms Nominal Impedance.	
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)
η ₀	3 %
X _{max}	4 mm
X _{var}	5.5 mm
M _{ms}	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

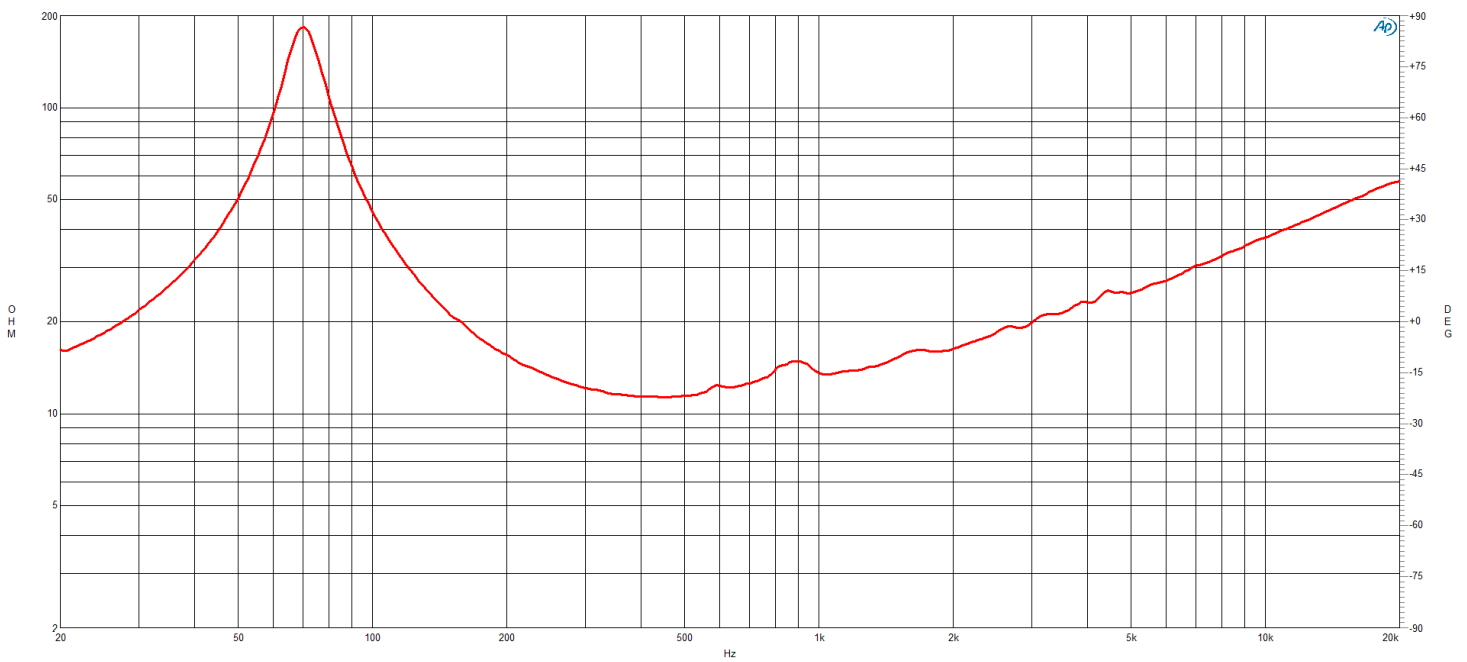
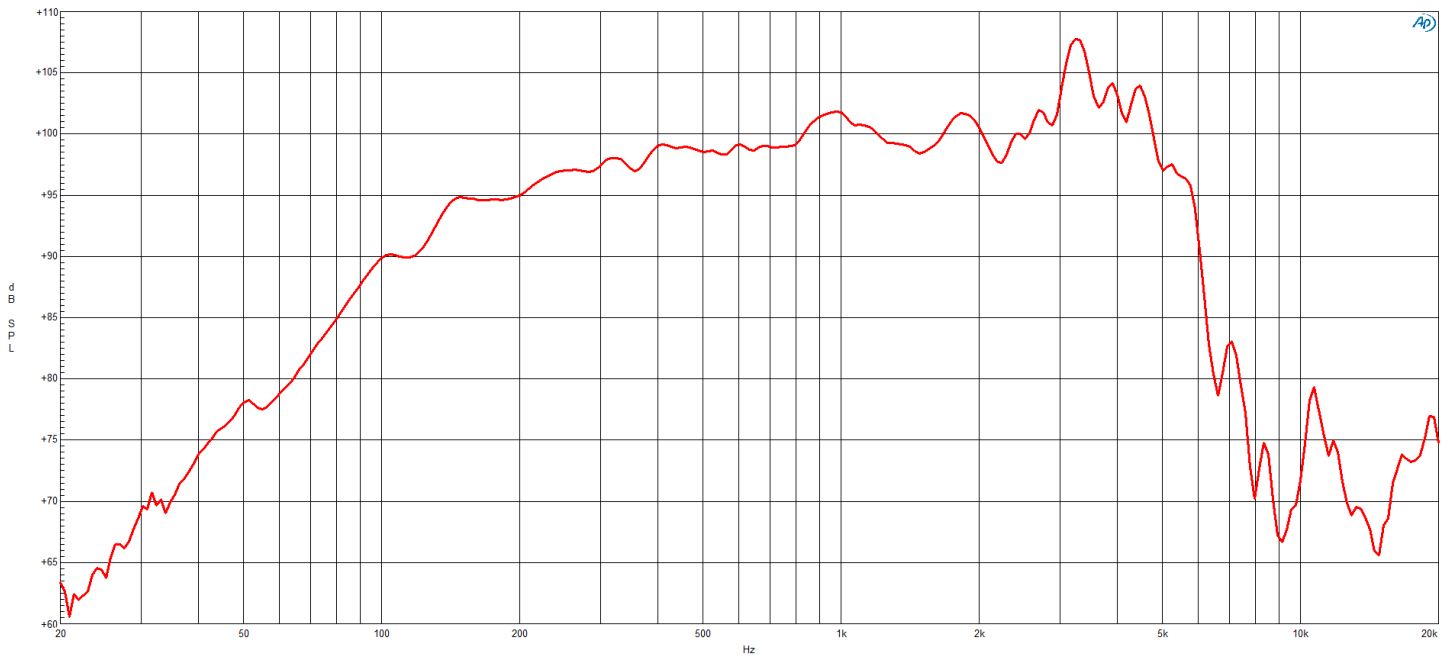
Overall Diameter	261 mm (10.28 in)
Bolt Circle Diameter	245 mm (9.65 in)
Baffle Cutout Diameter	230 mm (9.06 in)
Depth	125 mm (4.92 in)
Flange and Gasket Thickness	14 mm (0.55 in)
Air Volume Occupied by Driver	1.5 dm³ (0.05 ft³)
Net Weight	3.25 kg (7.17 lb)
Shipping Units	1 pcs
Shipping Weight	3.85 kg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

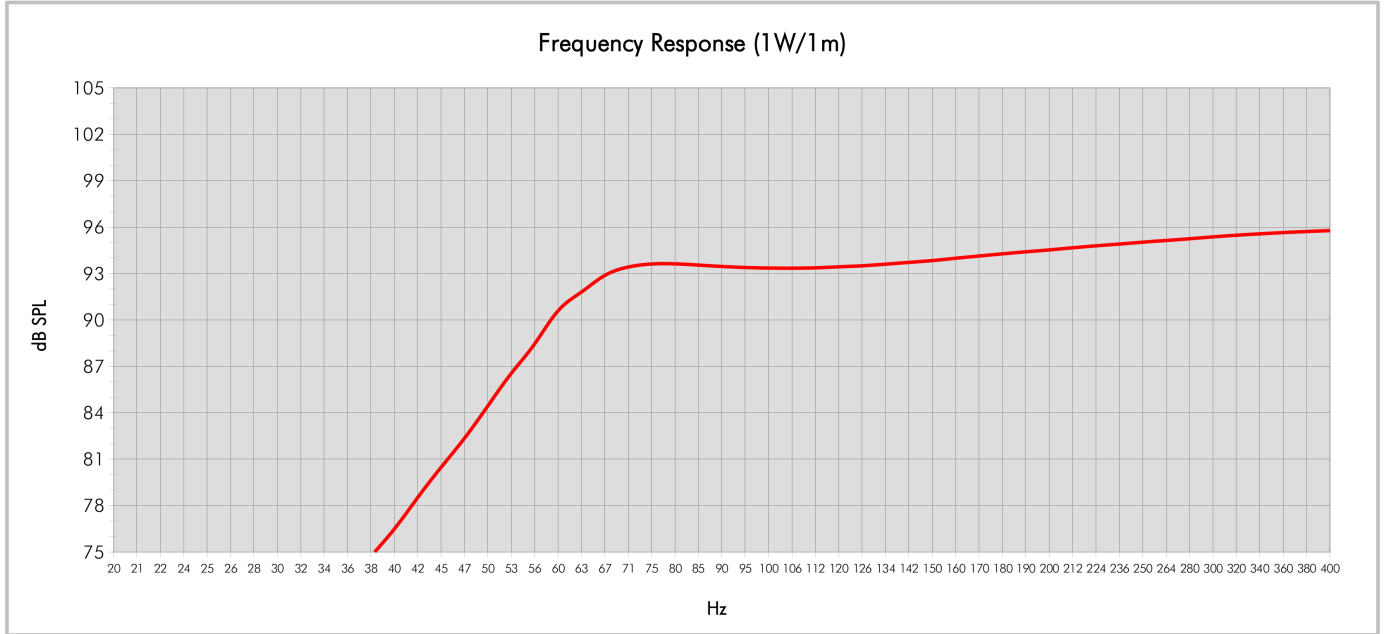
SERVICE KITS

LF recone-kits	RCK10MBX6416
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Model:	10MBX64	Configuration:	One Driver
Enclosure Type:	Bass Reflex		
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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