6MBX44 8 Ω

Mid-Bass

- 400 W continuous program power capacity
- 44 mm (1.7 in) aluminium voice coil
- 115 - 5000 Hz response
- 98 dB sensitivity
- Neodymium magnet allows a very light yet powerful motor assembly
- Aluminium ring allows a very low distortion figure

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.





B&C Speakers S.p.A. Via Poggiomoro, 1 - Loc. Vallina, 50012 Bagno a Ripoli (FI) | ITALY
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Mid-Bass

SPECIFICATIONS

Nominal Diameter	**170 mm (6.5 in)**
Nominal Impedance	**8 Ω**
Minimum Impedance	**6 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.	**200 W**
Continuous Power Handling Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	**400 W**
Sensitivity Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.	**98 dB**
Frequency Range	**115 Hz - 5000 Hz**
Voice Coil Diameter	**44 mm (1.7 in)**
Winding Material	**Aluminium**
Former Material	**Glass Fibre**
Winding Depth	**10 mm (0.37 in)**
Magnetic Gap Depth	**6 mm (0.25 in)**
Flux Density	**1.55 T**
Woofer Cone Treatment	**Waterproof Impregnated Cone**

PARAMETERS

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

Fs	**113 Hz**
Re	**5.4 Ω**
Qes	**0.34**
Qms	**3.9**
Qts	**0.31**
Vas	**4.1 dm^3 (0.14 ft^3)**
Sd	**132 cm^2 (20.46 in^2)**
η0	**1.4 %**
Xmax	**3.5 mm**
Xvar	**3 mm**
Mms	**12 g**
Bl	**11.7 Tm**
Le	**0.2 mH**
EBP	**332 Hz**

DESIGN

Surround Shape	**Triple Roll**
Cone Shape	**Exponential**
Magnet Material	**Neodymium Ring**
Spider	**Single**
Pole Design	**T-Pole**
Woofer Cone Treatment	**Waterproof Impregnated Cone**
Recommended Enclosure	**3 dm^3 (0.11 ft^3)**
Recommended Tuning	**120 Hz**

MOUNTING AND SHIPPING INFO

Overall Diameter	**187 mm (7.36 in)**
Bolt Circle Diameter	**172 mm (6.7 in)**
Baffle Cutout Diameter	**145 mm (5.7 in)**
Depth	**87 mm (3.43 in)**
Flange and Gasket Thickness	**11 mm (0.4 in)**
Air Volume Occupied by Driver	**0.6 dm^3 (0.02 ft^3)**
Net Weight	**1.59 kg (3.51 lb)**
Shipping Units	**1 pcs**
Shipping Weight	**1.79 kg (3.95 lb)**
Shipping Box	**210x210x125 mm (8.27x8.27x4.92 in)**

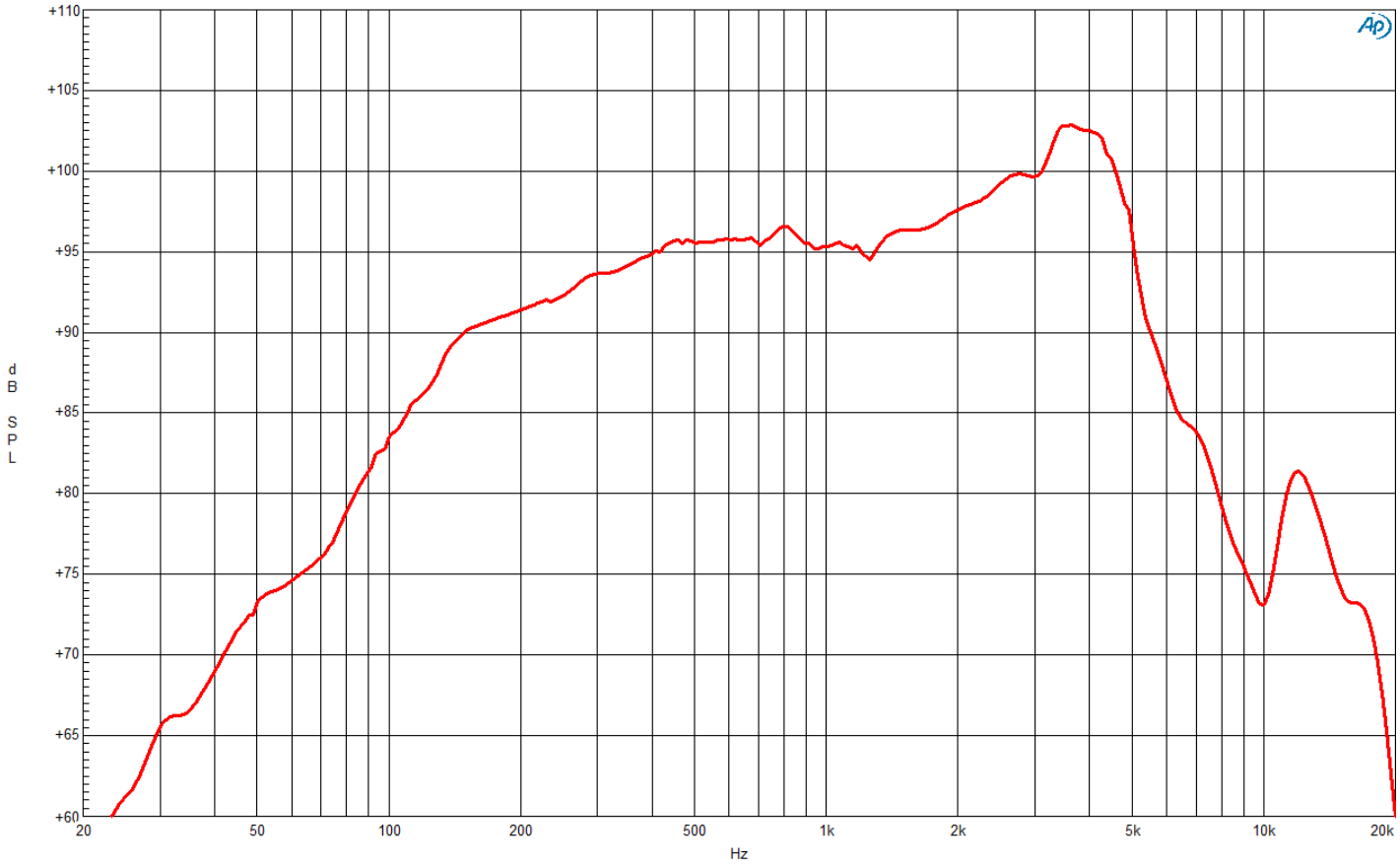
SERVICE KITS

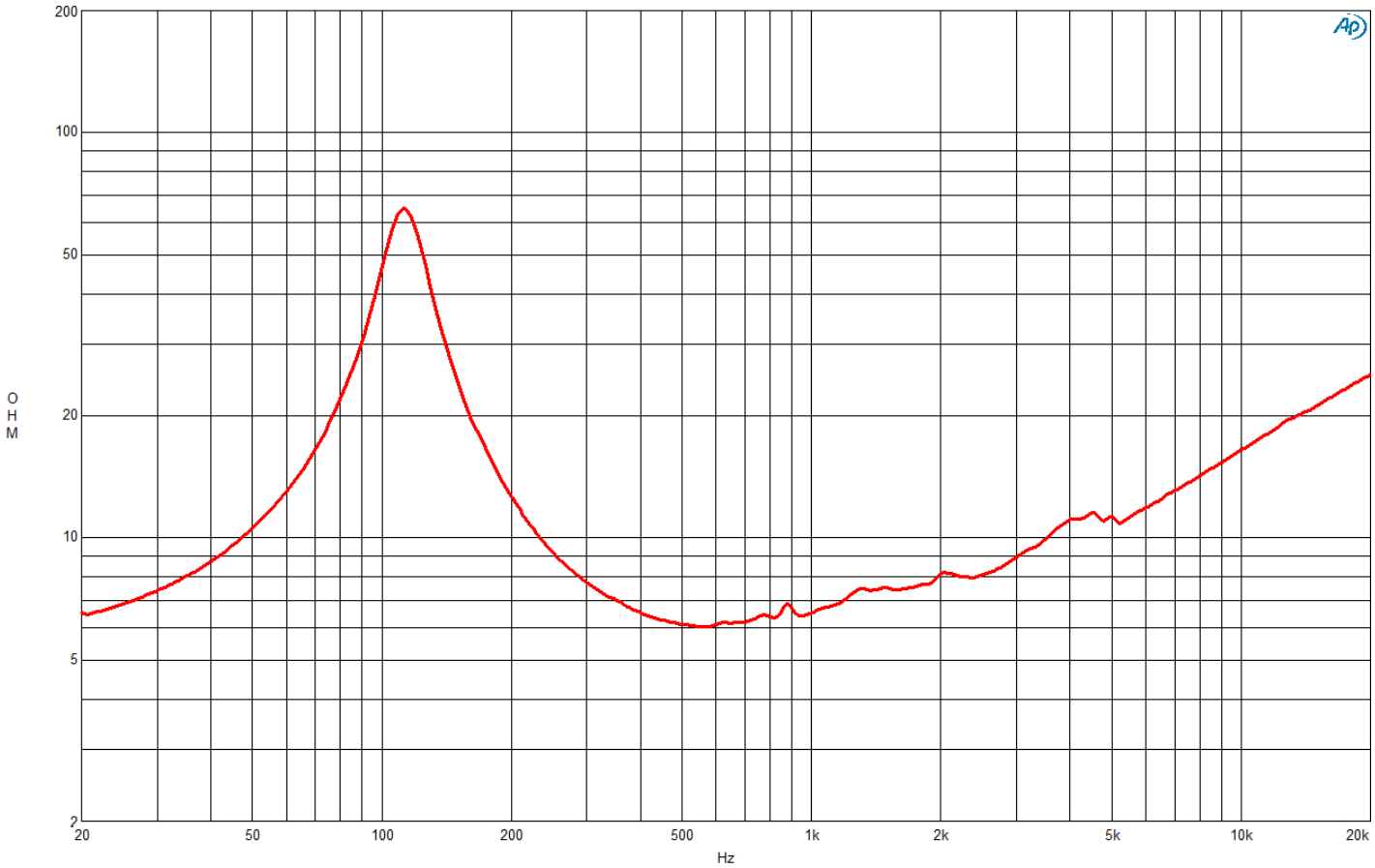
LF recone-kits	**RCK06MBX448**

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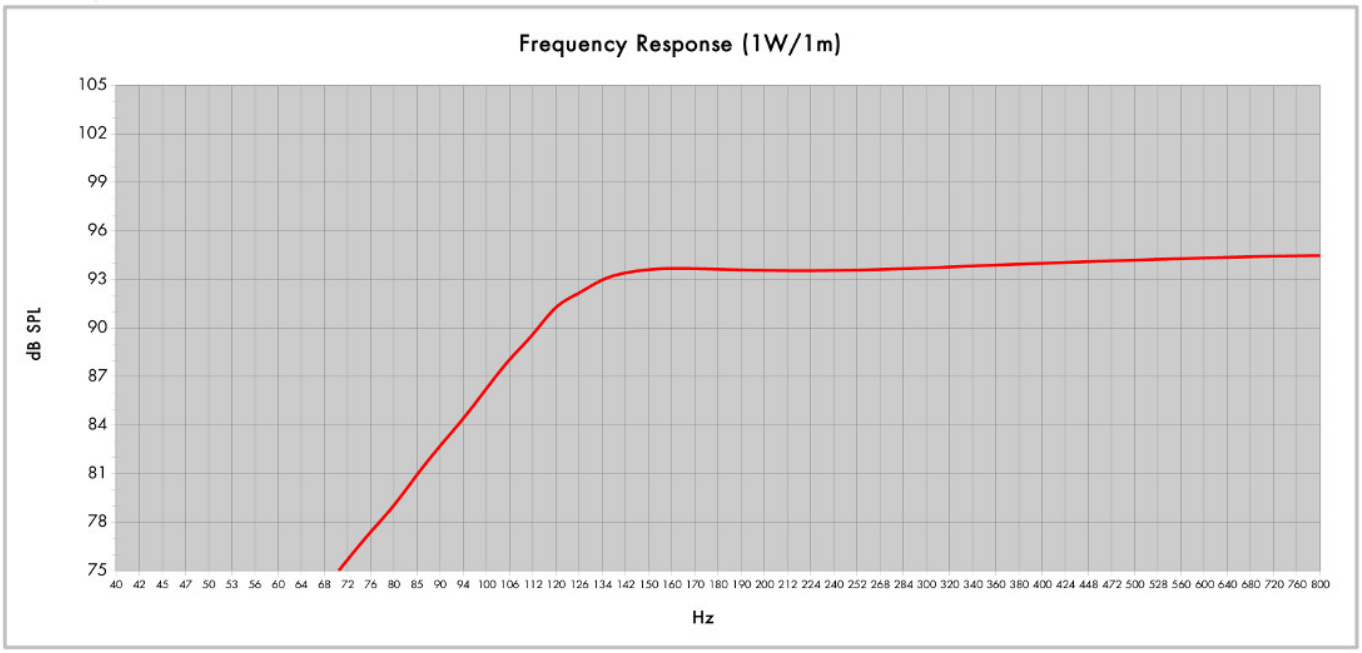




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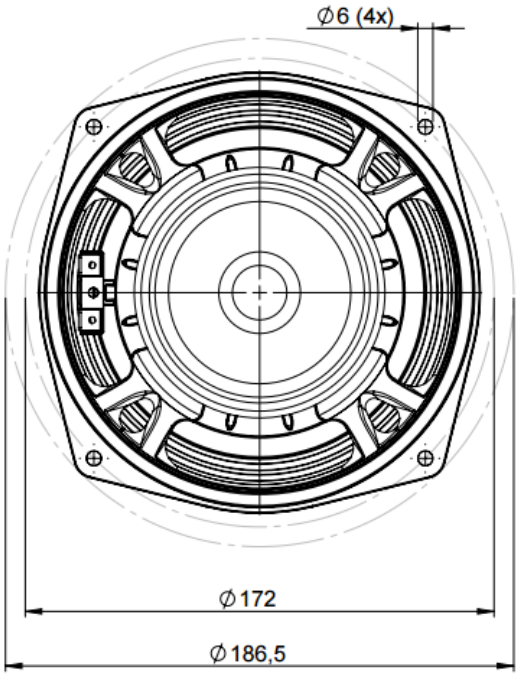


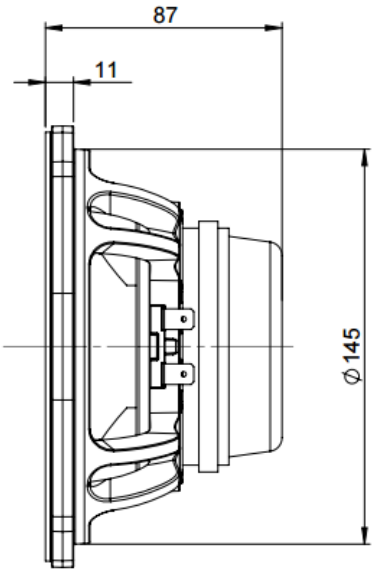
Model:	6MBX44		
Enclosure Type:	Bass Reflex	Configuration:	One Driver
Internal Net Volume (Litres):	3	QB:	7
Tuning Frequency (Hz):	120	Port Area (cm^2):	25,0
Frequency (-3 dB) (Hz):	123,0	Port Length (cm):	12,5
Frequency (-10 dB) (Hz):	95,3		

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