8CL51 8 Ω

Woofer

- 400 W continuous program power capacity
- 51 mm (2 in) copper voice coil
- 70 - 5000 Hz response
- 94 dB sensitivity
- Neodymium magnet allows a very light yet powerful motor assembly
- Shorting copper cap for extended HF response





B&C SPEAKERS

Professional loudspeaker transducers since 1946

B&C Speakers S.p.A. Via Poggiomoro, 1 - Loc. Vallina, 50012 Bagno a Ripoli (FI) | ITALY
Tel. +39 055 65721 | Fax +39 055 6572312 | mail@bcspeakers.com

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SPECIFICATIONS

Nominal Diameter	**200 mm (8 in)**
Nominal Impedance	**8 Ω**
Minimum Impedance	**6.3 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.	**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.	**94 dB**
Frequency Range	**70 Hz - 5000 Hz**
Voice Coil Diameter	**51 mm (2 in)**
Winding Material	**Copper**
Former Material	**Glass Fibre**
Winding Depth	**17 mm (0.67 in)**
Magnetic Gap Depth	**8 mm (0.31 in)**
Flux Density	**1.15 T**
Woofer Cone Treatment	**WP Waterproof Front Side**

PARAMETERS

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

Fs	**69 Hz**
Re	**5.1 Ω**
Qes	**0.44**
Qms	**5.6**
Qts	**0.41**
Vas	**12.5 dm^3 (0.44 ft^3)**
Sd	**220 cm^2 (34.1 in^2)**
η0	**0.9 %**
Xmax	**6.5 mm**
Xvar	**6 mm**
Mms	**29 g**
Bl	**12 Tm**
Le	**0.5 mH**
EBP	**157 Hz**

DESIGN

Surround Shape	**Double Roll**
Cone Shape	**Exponential**
Magnet Material	**Neodymium Inside Slug**
Spider	**Single**
Pole Design	**Straight Pole**
Woofer Cone Treatment	**WP Waterproof Front Side**
Recommended Enclosure	**17 dm^3 (0.6 ft^3)**
Recommended Tuning	**63 Hz**

MOUNTING AND SHIPPING INFO

Overall Diameter	**209 mm (8.23 in)**
Bolt Circle Diameter	**199 mm (7.83 in)**
Baffle Cutout Diameter	**186 mm (7.32 in)**
Depth	**96 mm (3.78 in)**
Flange and Gasket Thickness	**9 mm (0.35 in)**
Air Volume Occupied by Driver	**1.1 dm^3 (0.04 ft^3)**
Net Weight	**1.25 kg (2.76 lb)**
Shipping Units	**1 pcs**
Shipping Weight	**1.7 kg (3.75 lb)**
Shipping Box	**255x255x150 mm (10.04x10.04x5.91 in)**

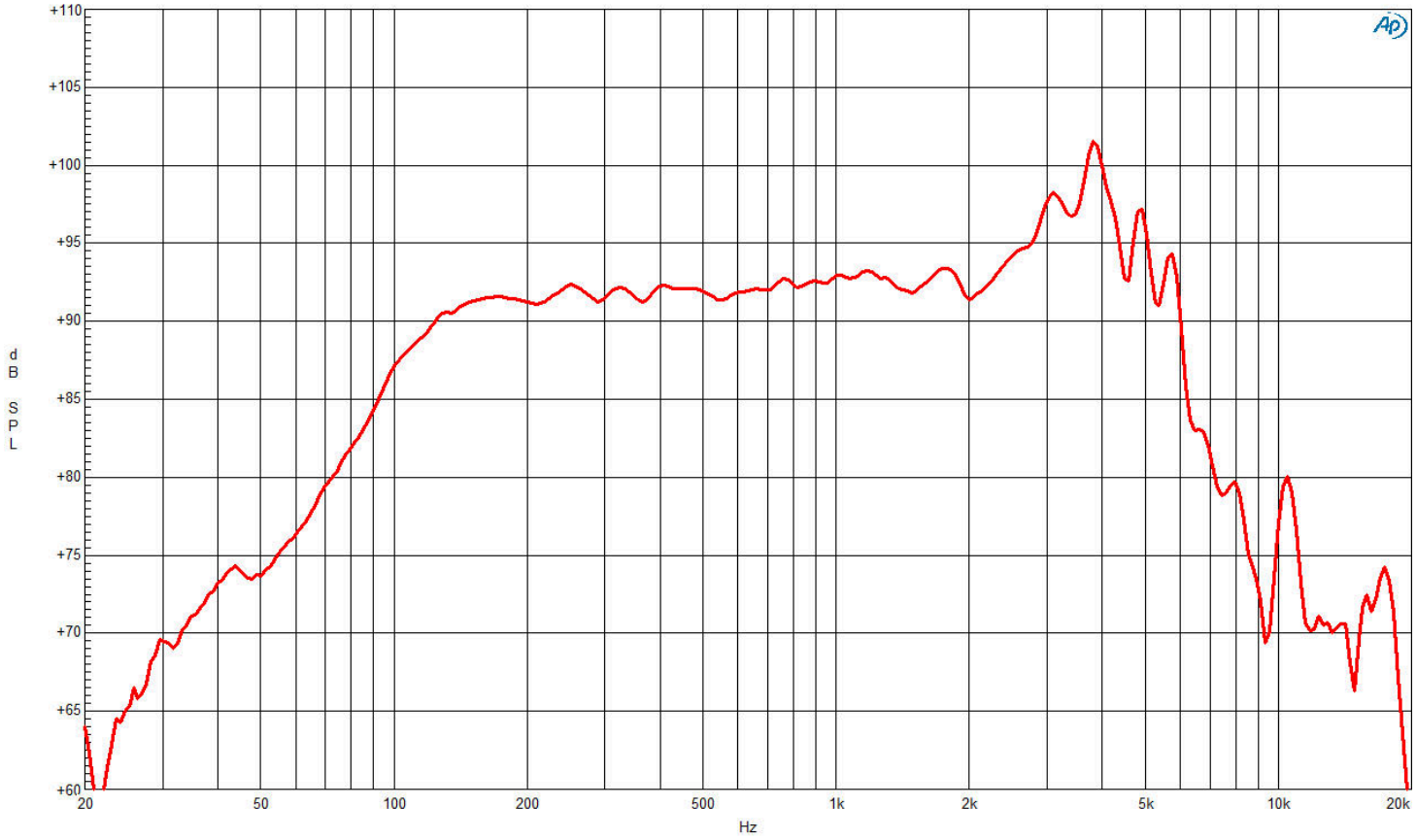
SERVICE KITS

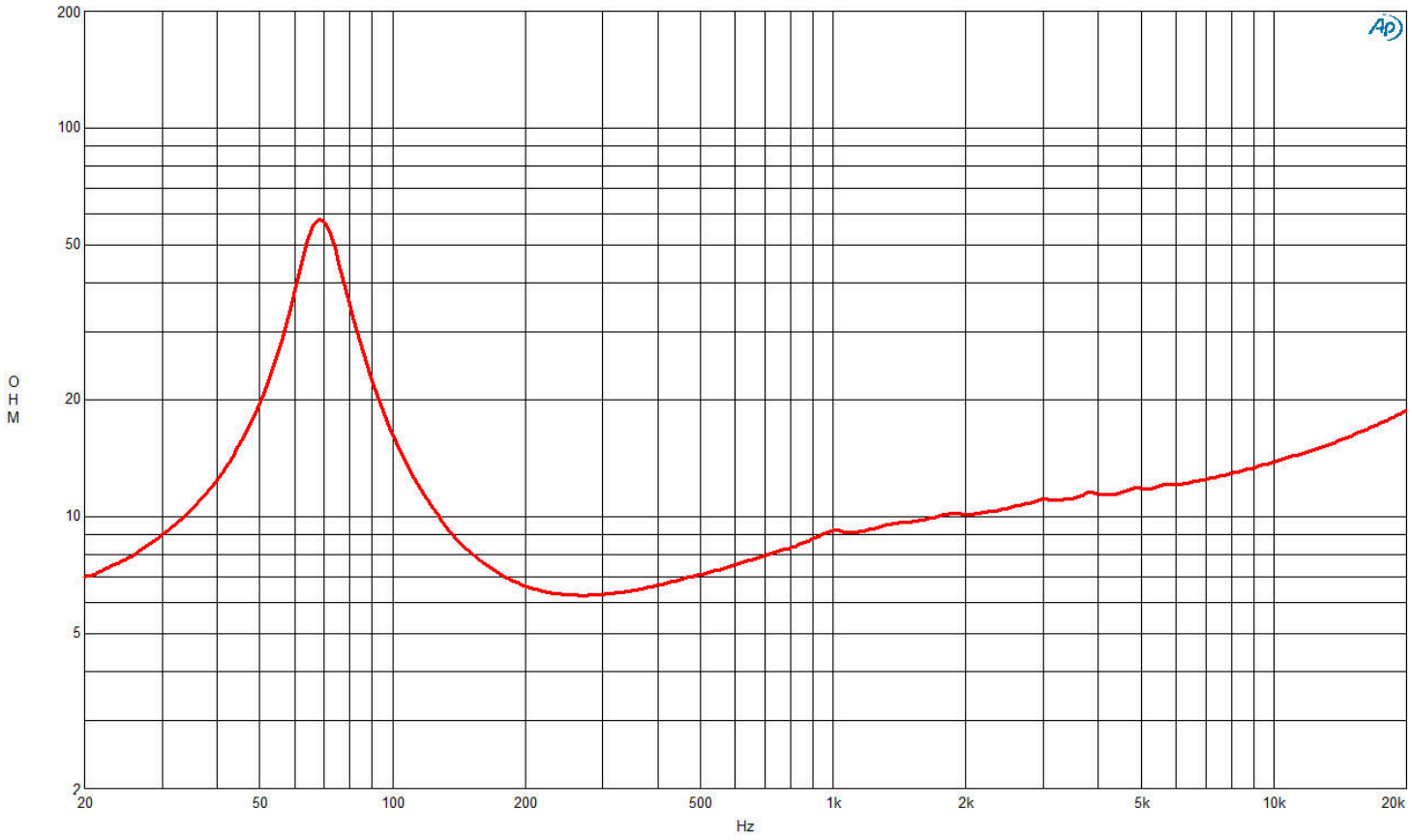
LF recone-kits	**RCK008CL518**

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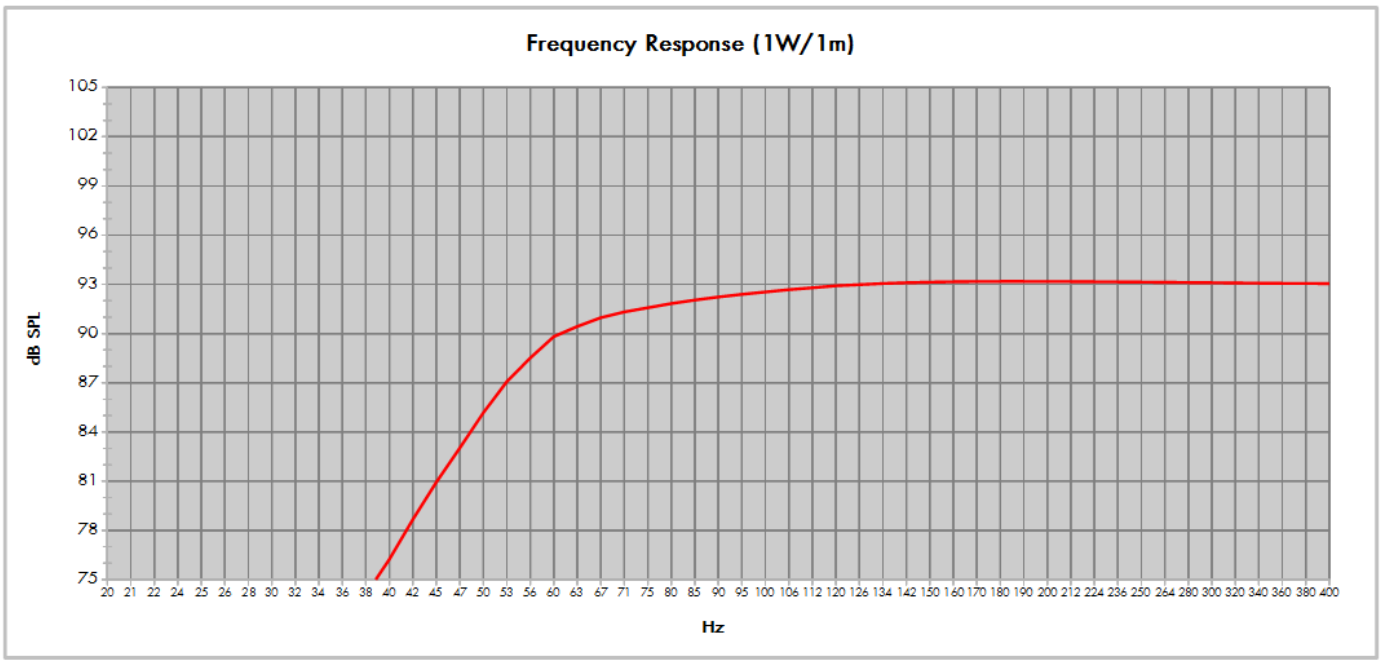
Woofer





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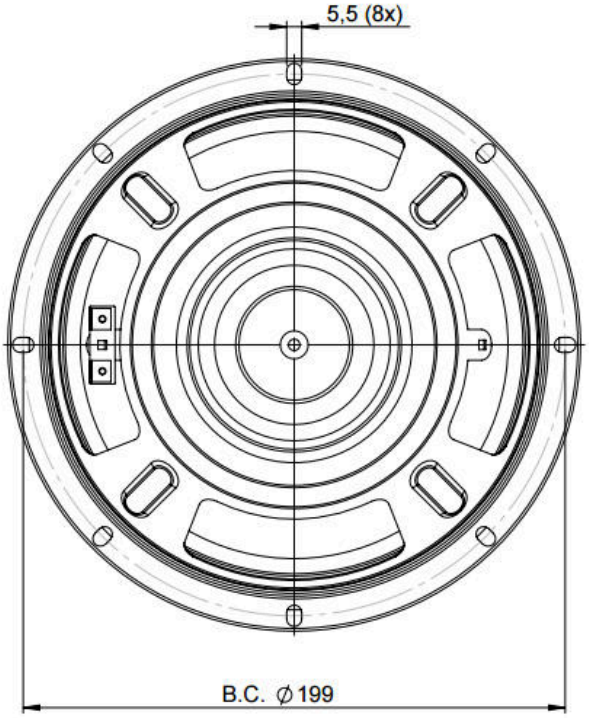


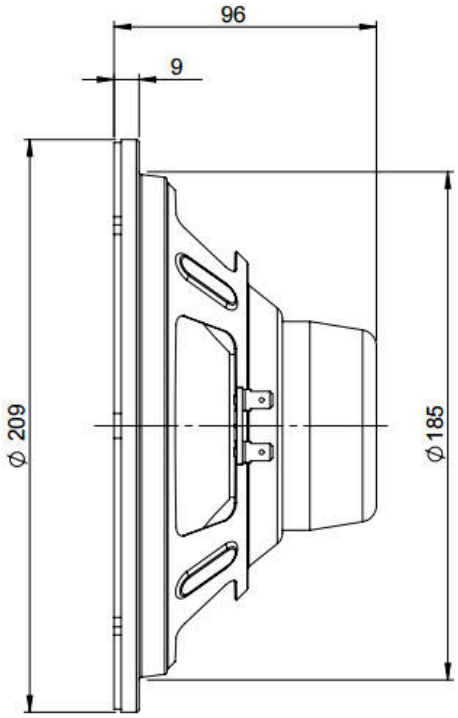
Model:	**8CL51-16**		
Enclosure Type:	**Bass Reflex**	Configuration:	**One Driver**
Internal Net Volume (Litres):	**17**	QB:	**7**
Tuning Frequency (Hz):	**63**	Port Area (cm^2):	**50,0**
Frequency (-3 dB) (Hz):	**60,7**	Port Length (cm):	**15,3**
Frequency (-10 dB) (Hz):	**47,1**		

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