10CL51 8 Ω

Woofer

- 300 W continuous program power capacity
- 51 mm (2 in) aluminium voice coil
- 60 - 4000 Hz response
- 96 dB sensitivity





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

Nominal Diameter	**250 mm (10 in)**
Nominal Impedance	**8 Ω**
Minimum Impedance	**5.8 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.	**150 W**
Continuous Power Handling Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	**300 W**
Sensitivity Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.	**96 dB**
Frequency Range	**60 Hz - 4000 Hz**
Voice Coil Diameter	**51 mm (2 in)**
Winding Material	**Aluminium**
Former Material	**Glass Fibre**
Winding Depth	**15 mm (0.59 in)**
Magnetic Gap Depth	**8 mm (0.31 in)**
Flux Density	**1.05 T**
Woofer Cone Treatment	**None**

PARAMETERS

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

Fs	**58 Hz**
Re	**5.2 Ω**
Qes	**0.42**
Qms	**3.5**
Qts	**0.38**
Vas	**36 dm^3 (1.27 ft^3)**
Sd	**320 cm^2 (49.6 in^2)**
η0	**1.57 %**
Xmax	**5.5 mm**
Xvar	**5.5 mm**
Mms	**30.5 g**
Bl	**11.6 Tm**
Le	**0.8 mH**
EBP	**138 Hz**

DESIGN

Surround Shape	**Double Roll**
Cone Shape	**Exponential**
Magnet Material	**Neodymium Inside Slug**
Spider	**Single**
Pole Design	**Straight Pole**
Woofer Cone Treatment	**None**
Recommended Enclosure	**32 dm^3 (1.13 ft^3)**
Recommended Tuning	**58 Hz**

MOUNTING AND SHIPPING INFO

Overall Diameter	**257 mm (10.1 in)**
Bolt Circle Diameter	**246 mm (9.7 in)**
Baffle Cutout Diameter	**232 mm (9.1 in)**
Depth	**108 mm (4.25 in)**
Flange and Gasket Thickness	**7 mm (0.28 in)**
Air Volume Occupied by Driver	**1 dm^3 (0.03 ft^3)**
Net Weight	**1.3 kg (2.87 lb)**
Shipping Units	**1 pcs**
Shipping Weight	**1.9 kg (4.19 lb)**
Shipping Box	**295x314x175 mm (11.61x12.36x6.89 in)**

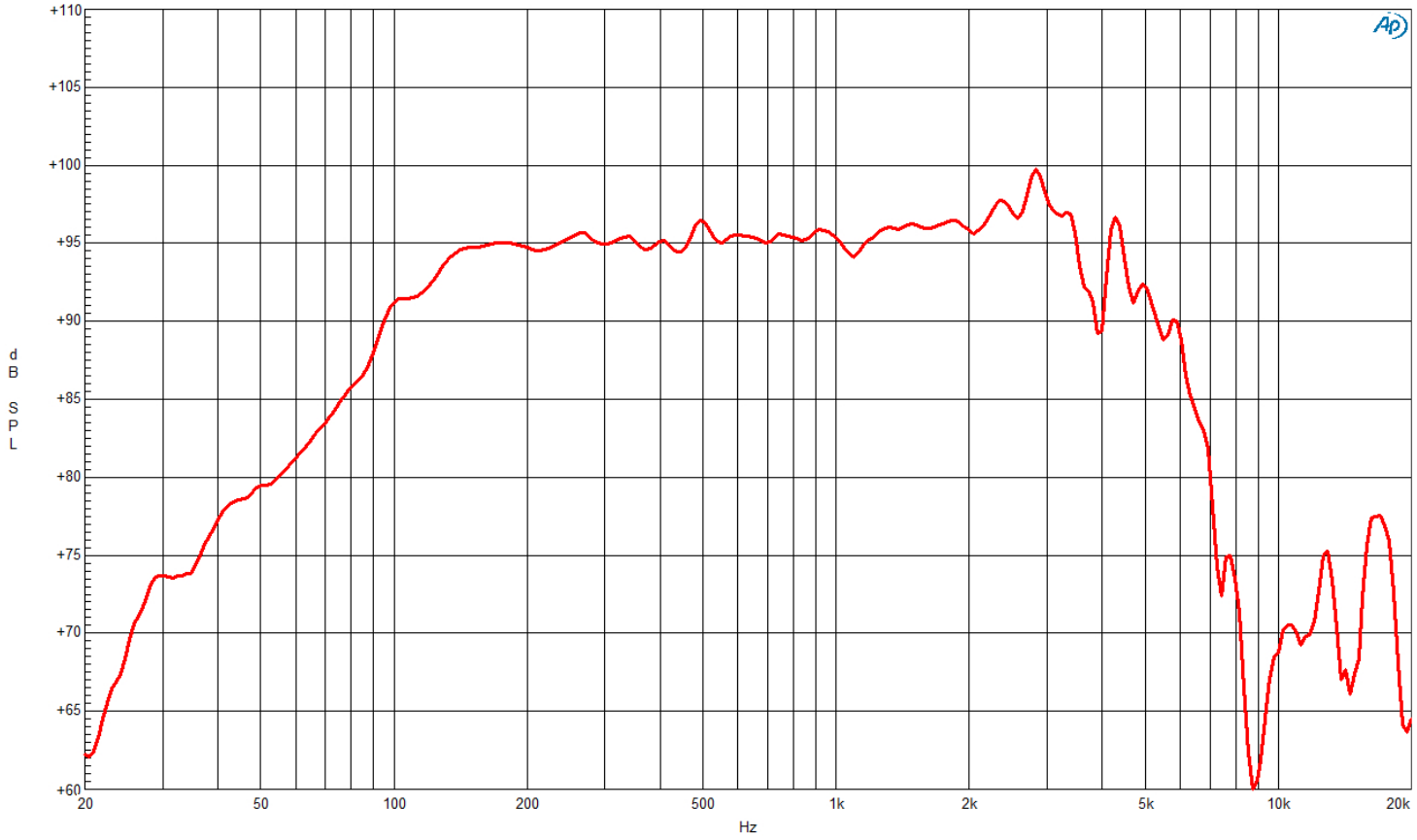
SERVICE KITS

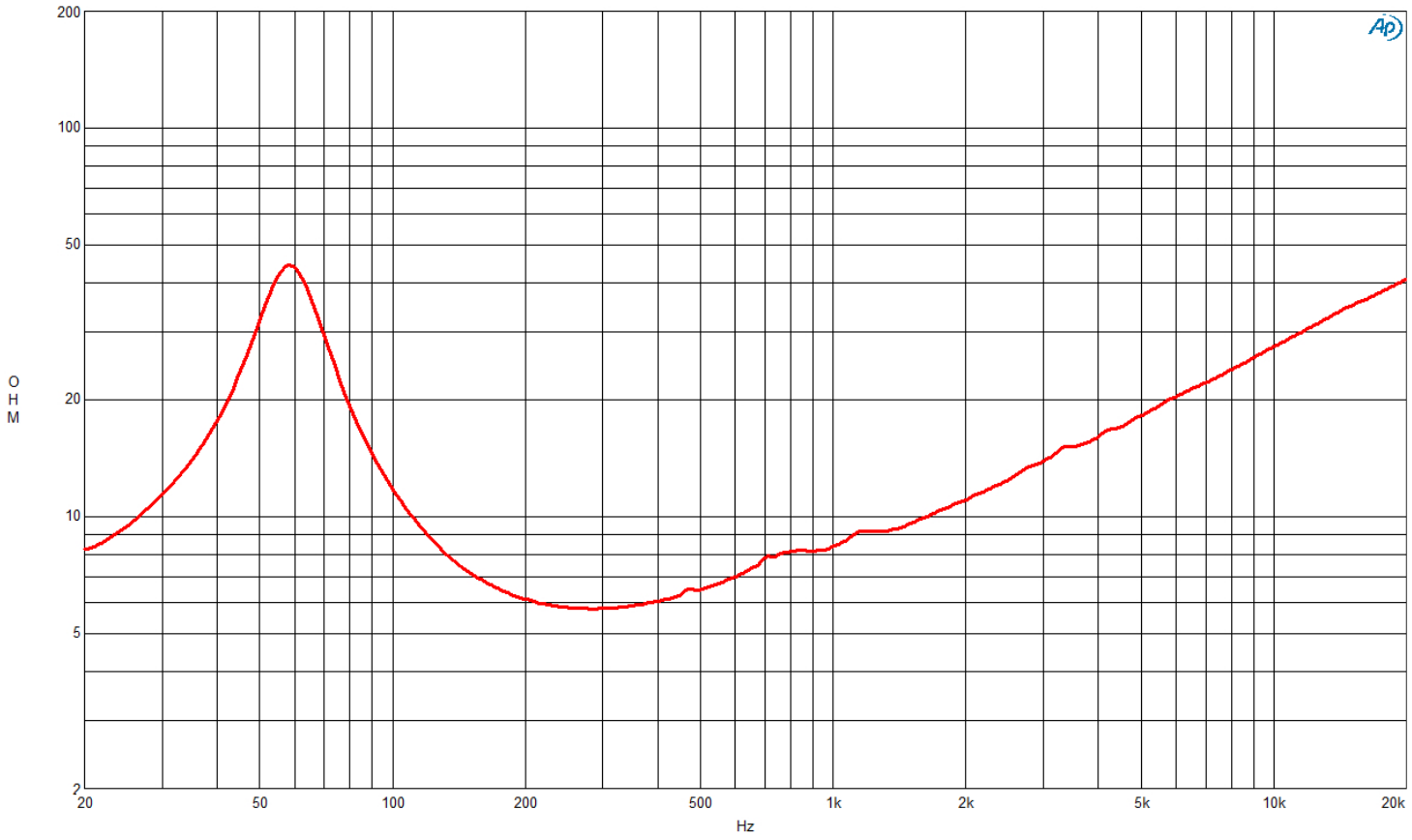
LF recone-kits	**RCK10CL518**

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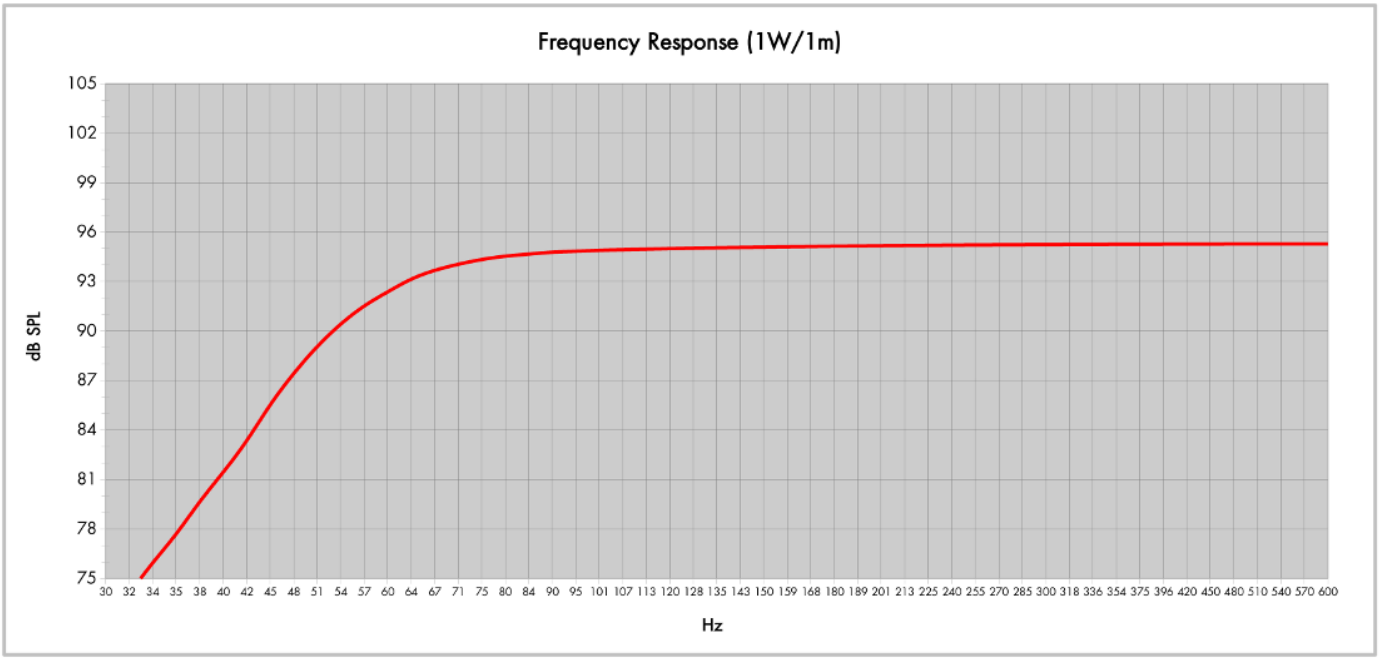




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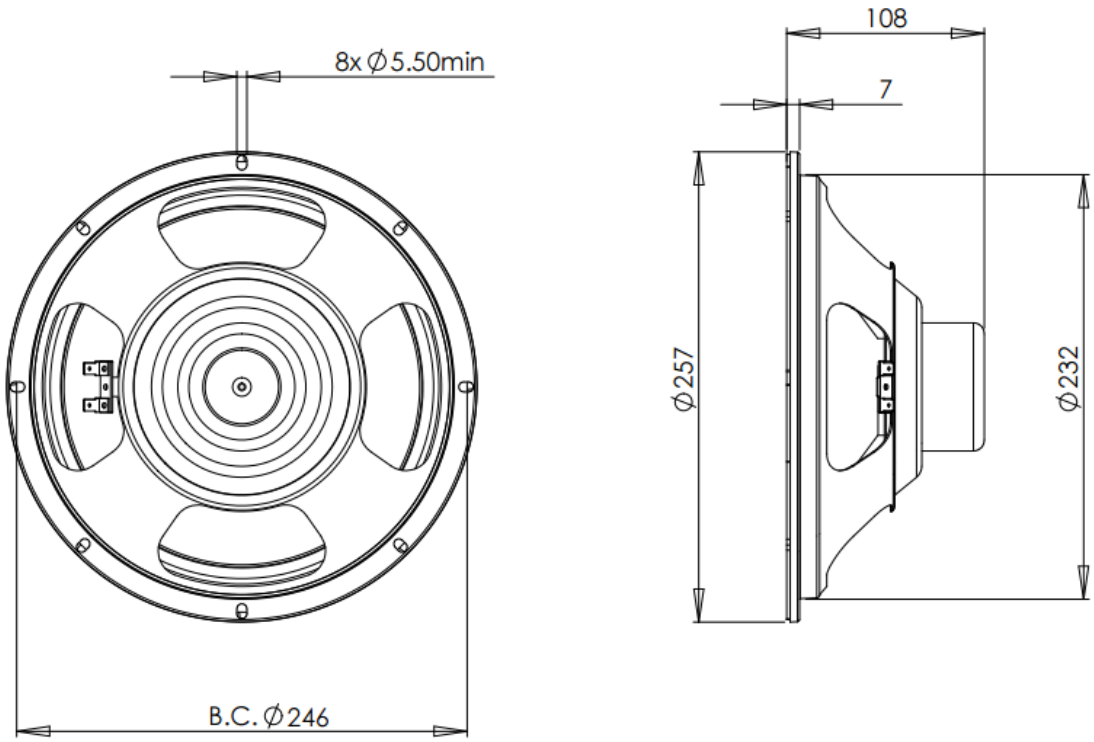


Model:	10CL51		
Enclosure Type:	**Bass Reflex**	Configuration:	**One Driver**
Internal Net Volume (Litres):	**32**	QB:	*7*
Tuning Frequency (Hz):	**58**	Port Area (cm²):	**70,0**
Frequency (-3 dB) (Hz):	**59,8**	Port Length (cm):	**11,3**
Frequency (-10 dB) (Hz):	**44,7**		

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