

10CL51 8 Ω

Woofer

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



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SPECIFICATIONS

Nominal Diameter	250 mm (10 in)
Nominal Impedance	8 Ω
Minimum Impedance	5.8 Ω
Nominal Power Handling	150 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	300 W
Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	
Sensitivity	96 dB
Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.	
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 dm³ (1.27 ft³)
Sd	320 cm² (49.6 in²)
η ₀	1.57 %
X _{max}	5.5 mm
X _{var}	5.5 mm
M _{ms}	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 dm³ (1.13 ft³)
Recommended Tuning	58 Hz

MOUNTING AND SHIPPING INFO

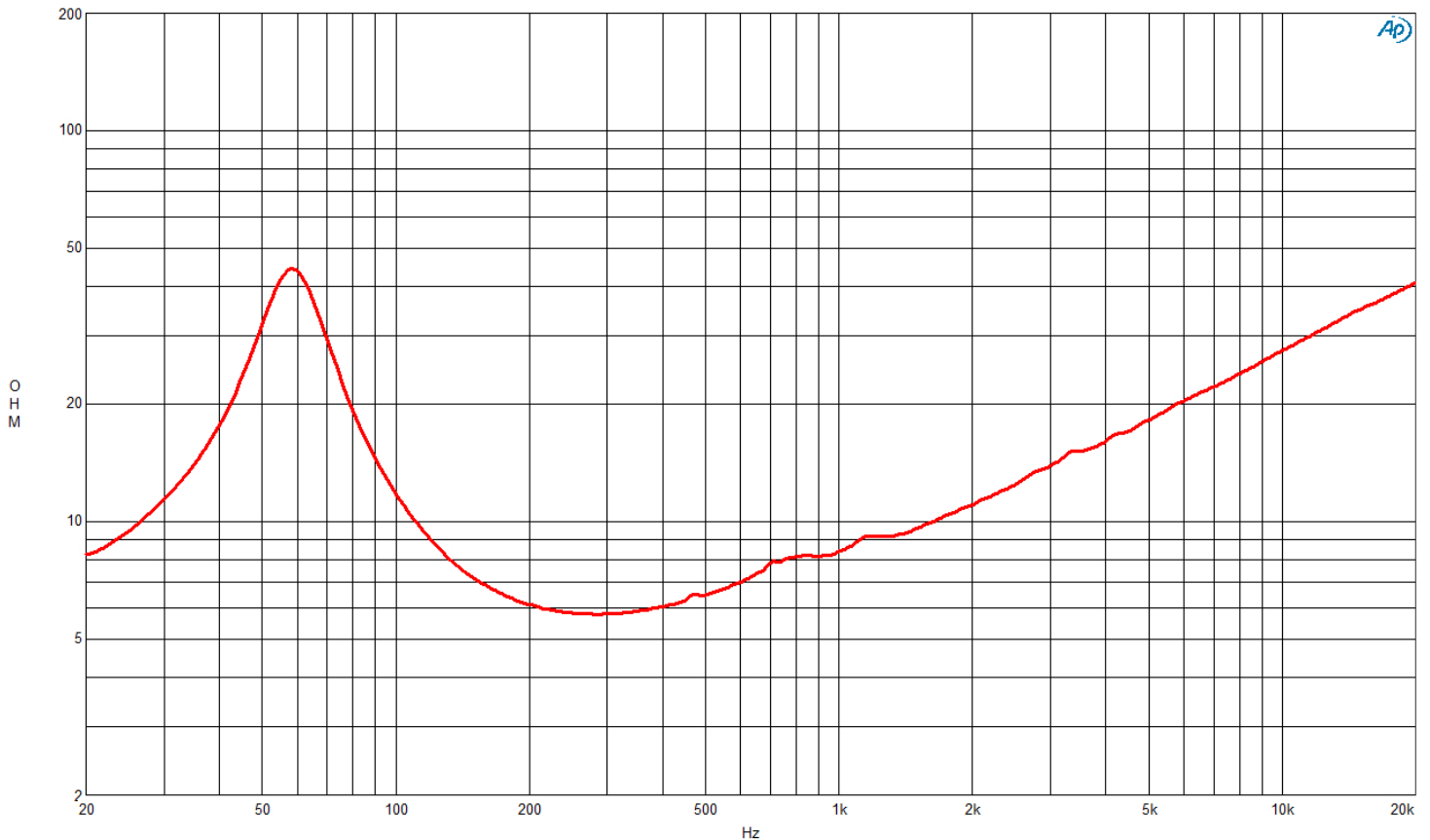
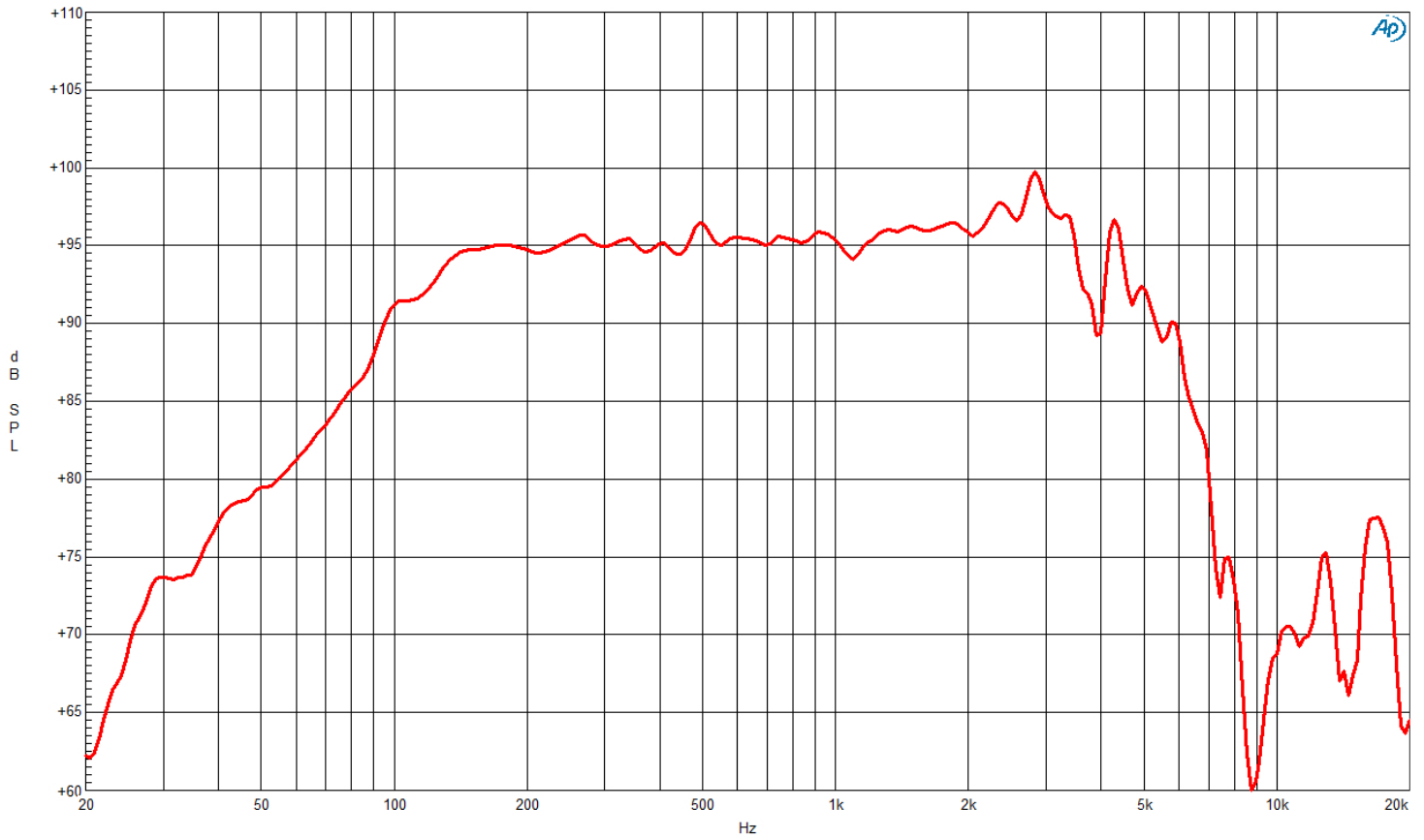
Overall Diameter	257 mm (10.1 in)
Bolt Circle Diameter	246 mm (9.7 in)
Baffle Cutout Diameter	232 mm (9.1 in)
Depth	108 mm (4.25 in)
Flange and Gasket Thickness	7 mm (0.28 in)
Air Volume Occupied by Driver	1 dm³ (0.03 ft³)
Net Weight	1.3 kg (2.87 lb)
Shipping Units	1 pcs
Shipping Weight	1.9 kg (4.19 lb)
Shipping Box	295x314x175 mm (11.61x12.36x6.89 in)

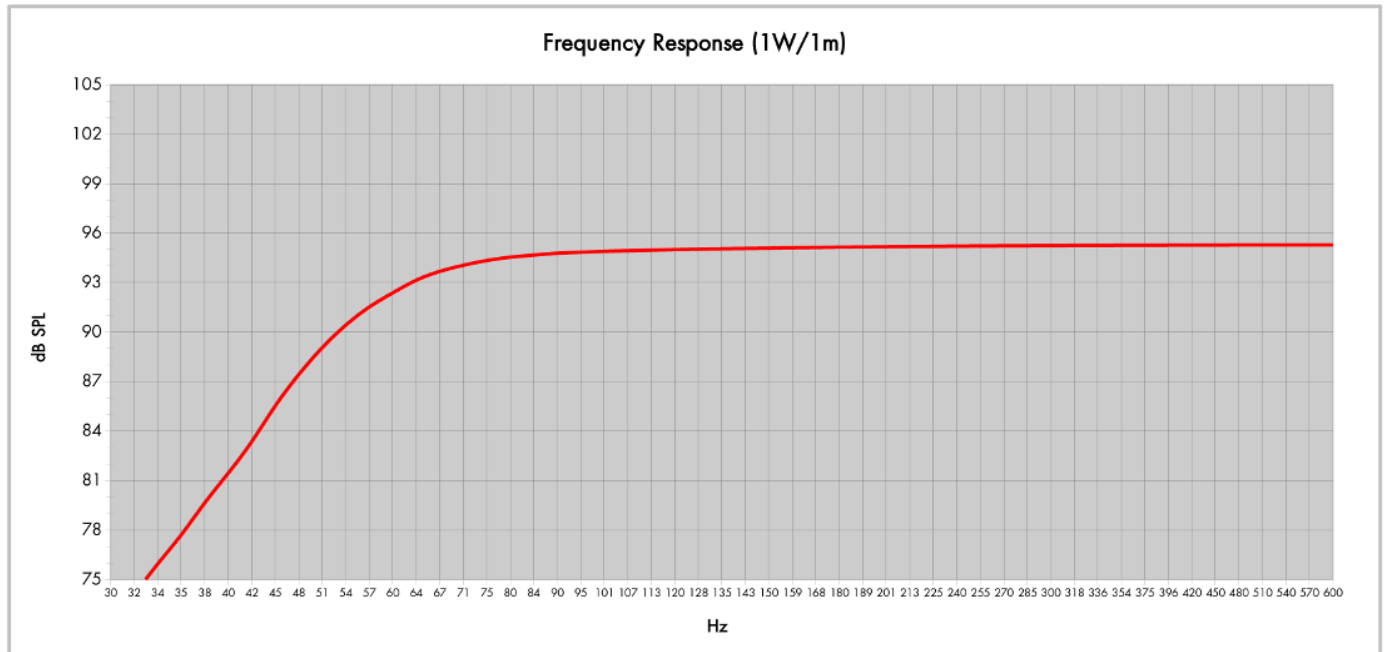
SERVICE KITS

LF recone-kits	RCK10CL518
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Model:	10CL51	Configuration:	One Driver
Enclosure Type:	Bass Reflex		
Internal Net Volume (Litres):	32	QB:	7
Tuning Frequency (Hz):	58	Port Area (cm ²):	70,0
Frequency (-3 dB) (Hz):	59,8	Port Length (cm):	11,3
Frequency (-10 dB) (Hz):	44,7		

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