

10CLA76 8 Ω**Woofer**

- 800 W continuous program power capacity
- 76 mm (3 in) aluminum voice coil
- 70 - 2500 Hz response
- 96.5 dB sensitivity
- Ventilated voice coil gap for reduced power compression

Careful optimization of our lightest woofer series, now offered with a high temperature copper-clad aluminum voice coil, is rewarded with higher sensitivity and smoother high frequency response. Larger motor makes these a good fit for many more applications, especially where flown, and manufacturing design means the CLA series can be price competitive with ferrite motor designs offering similar performance.



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SPECIFICATIONS

Nominal Diameter	250 mm (10 in)
Nominal Impedance	8 Ω
Minimum Impedance	6.5 Ω
Nominal Power Handling	400 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	800 W
Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	
Sensitivity	96.5 dB
Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.	
Frequency Range	70 Hz - 2500 Hz
Voice Coil Diameter	76 mm (3 in)
Winding Material	Aluminium
Former Material	Glass Fibre
Winding Depth	18.5 mm (0.73 in)
Magnetic Gap Depth	11 mm (0.43 in)
Flux Density	1.2 T
Woofer Cone Treatment	TWP Waterproof Both Sides

PARAMETERS

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

Fs	71 Hz
Re	5.2 Ω
Qes	0.3
Qms	6.72
Qts	0.29
Vas	16.4 dm³ (0.58 ft³)
Sd	320 cm² (49.6 in²)
η ₀	1.92 %
X _{max}	6.5 mm
X _{var}	7 mm
M _{ms}	44.7 g
Bl	18.55 Tm
Le	1.14 mH
EBP	237 Hz

DESIGN

Surround Shape	Triple Roll
Cone Shape	Exponential
Magnet Material	Neodymium Inside Slug
Spider	Single
Pole Design	T-Pole
Woofer Cone Treatment	TWP Waterproof Both Sides
Recommended Enclosure	29 dm³ (1.02 ft³)
Recommended Tuning	70 Hz

MOUNTING AND SHIPPING INFO

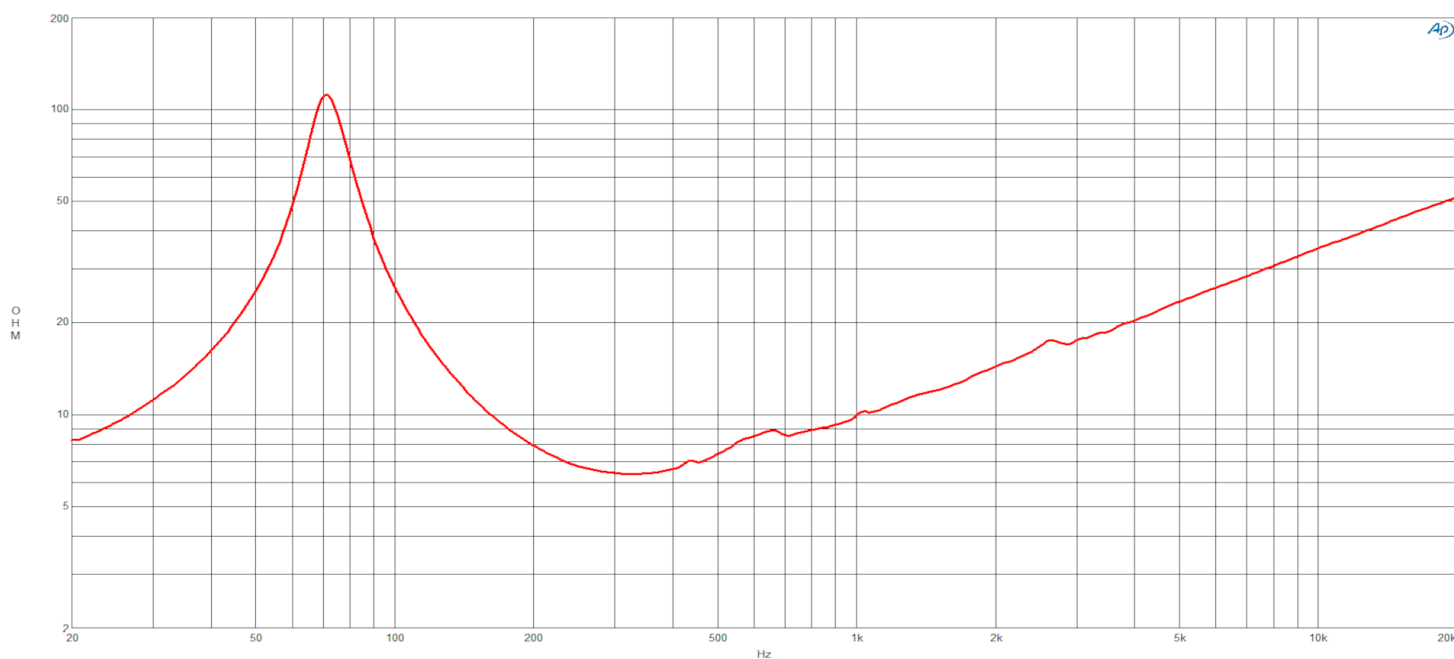
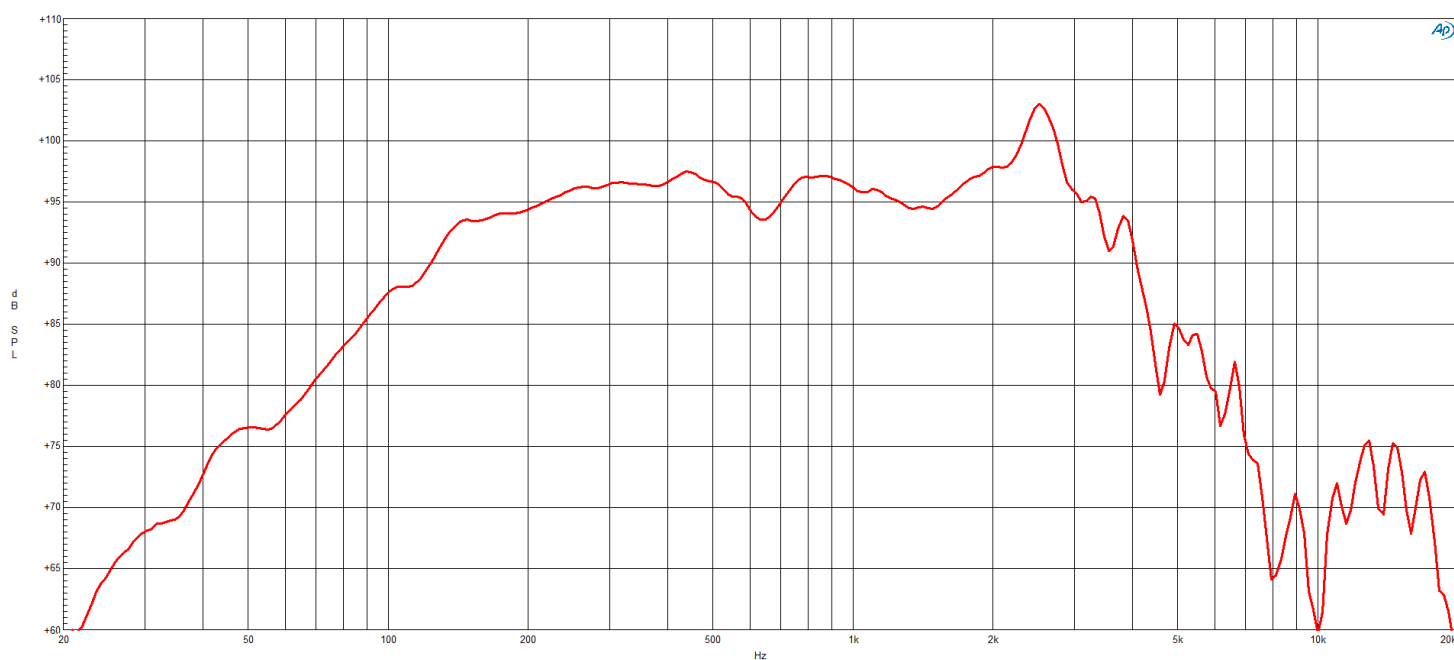
Overall Diameter	258 mm (10.16 in)
Bolt Circle Diameter	245 mm (9.65 in)
Baffle Cutout Diameter	232 mm (9.13 in)
Depth	122 mm (4.8 in)
Flange and Gasket Thickness	10 mm (0.39 in)
Air Volume Occupied by Driver	1.6 dm³ (0.06 ft³)
Net Weight	3.15 kg (6.94 lb)
Shipping Units	1 pcs
Shipping Weight	3.75 kg (8.27 lb)
Shipping Box	295x314x175 mm (11.61x12.36x6.89 in)

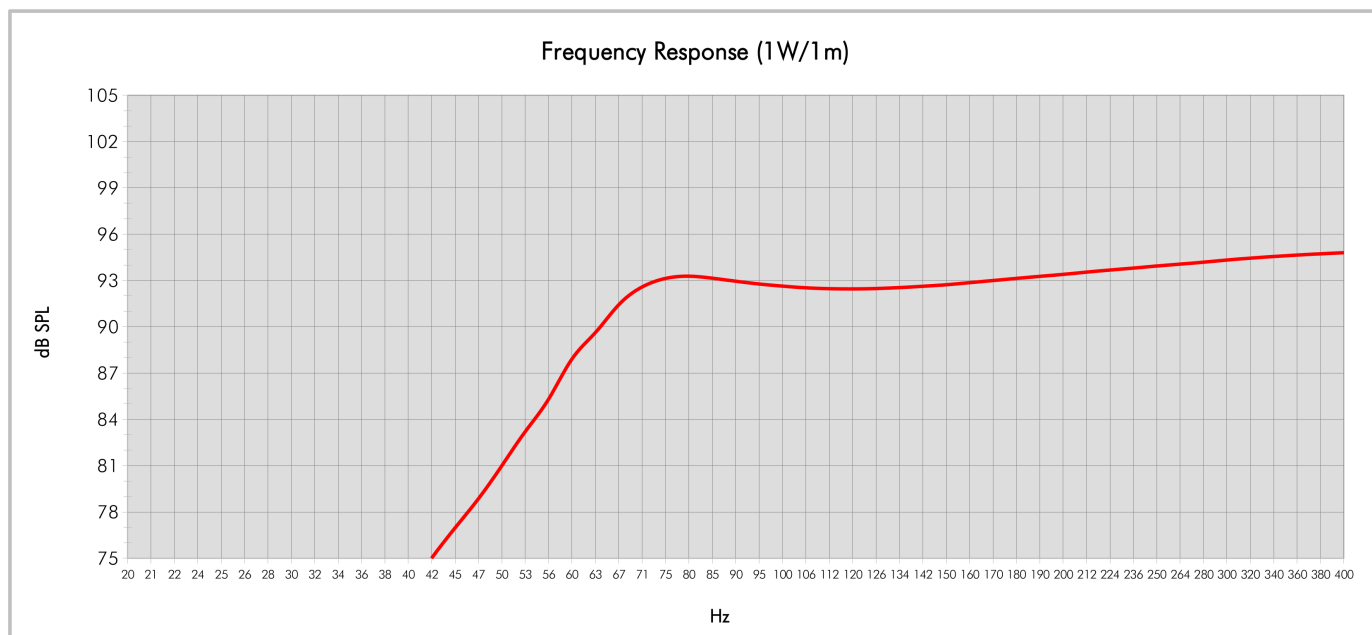
SERVICE KITS

LF recone-kits	RCK10CLA768
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Model:	10CLA76	Configuration:	One Driver
Enclosure Type:	Bass Reflex		
Internal Net Volume (Litres):	29	QB:	4
Tuning Frequency (Hz):	70	Port Area (cm²):	85
Frequency (-3 dB) (Hz):	71,1	Port Length (cm):	18,9
Frequency (-10 dB) (Hz):	56,4		

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