10CLA64 8 Ω

Woofer

- 500 W continuous program power capacity
- 64 mm (2.5 in) aluminum voice coil
- 75 - 4000 Hz response
- 96 dB sensitivity

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	**6.3 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.	**250 W**
Continuous Power Handling Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	**500 W**
Sensitivity Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.	**96 dB**
Frequency Range	**75 Hz - 4000 Hz**
Voice Coil Diameter	**64 mm (2.5 in)**
Winding Material	**Aluminium**
Former Material	**Glass Fibre**
Winding Depth	**14 mm (0.55 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	**74 Hz**
Re	**5.5 Ω**
Qes	**0.45**
Qms	**6.8**
Qts	**0.42**
Vas	**18.5 dm^3 (0.65 ft^3)**
Sd	**320 cm^2 (49.6 in^2)**
η0	**1.65 %**
Xmax	**5 mm**
Xvar	**5 mm**
Mms	**36 g**
Bl	**14.5 Tm**
Le	**0.9 mH**
EBP	**164 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	**29 dm^3 (1.02 ft^3)**
Recommended Tuning	**65 Hz**

MOUNTING AND SHIPPING INFO

Overall Diameter	**257 mm (10.12 in)**
Bolt Circle Diameter	**245 mm (9.65 in)**
Baffle Cutout Diameter	**232 mm (9.13 in)**
Depth	**111 mm (4.39 in)**
Flange and Gasket Thickness	**9 mm (0.35 in)**
Air Volume Occupied by Driver	**1 dm^3 (0.04 ft^3)**
Net Weight	**1.85 kg (4.08 lb)**
Shipping Units	**1 pcs**
Shipping Weight	**2.45 kg (5.4 lb)**
Shipping Box	**295x314x175 mm (11.61x12.36x6.89 in)**

SERVICE KITS

LF recone-kits	**RCK10CLA648**

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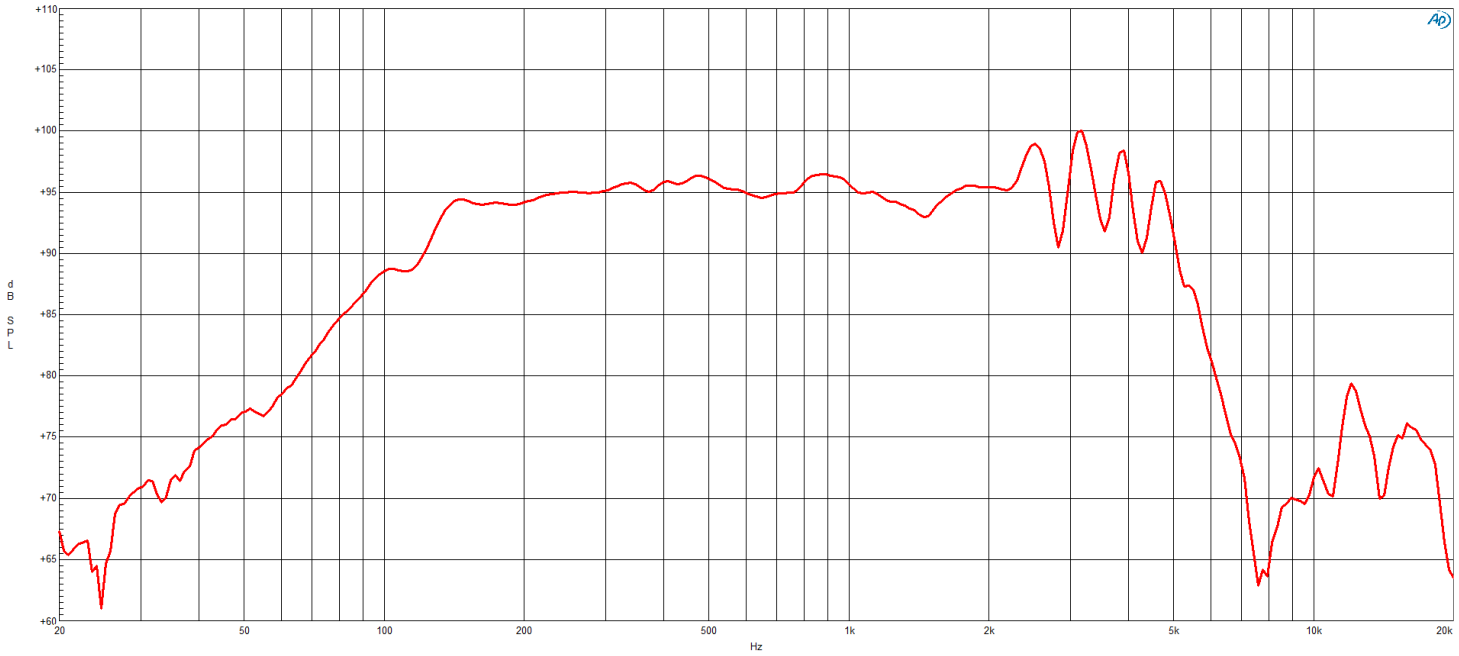

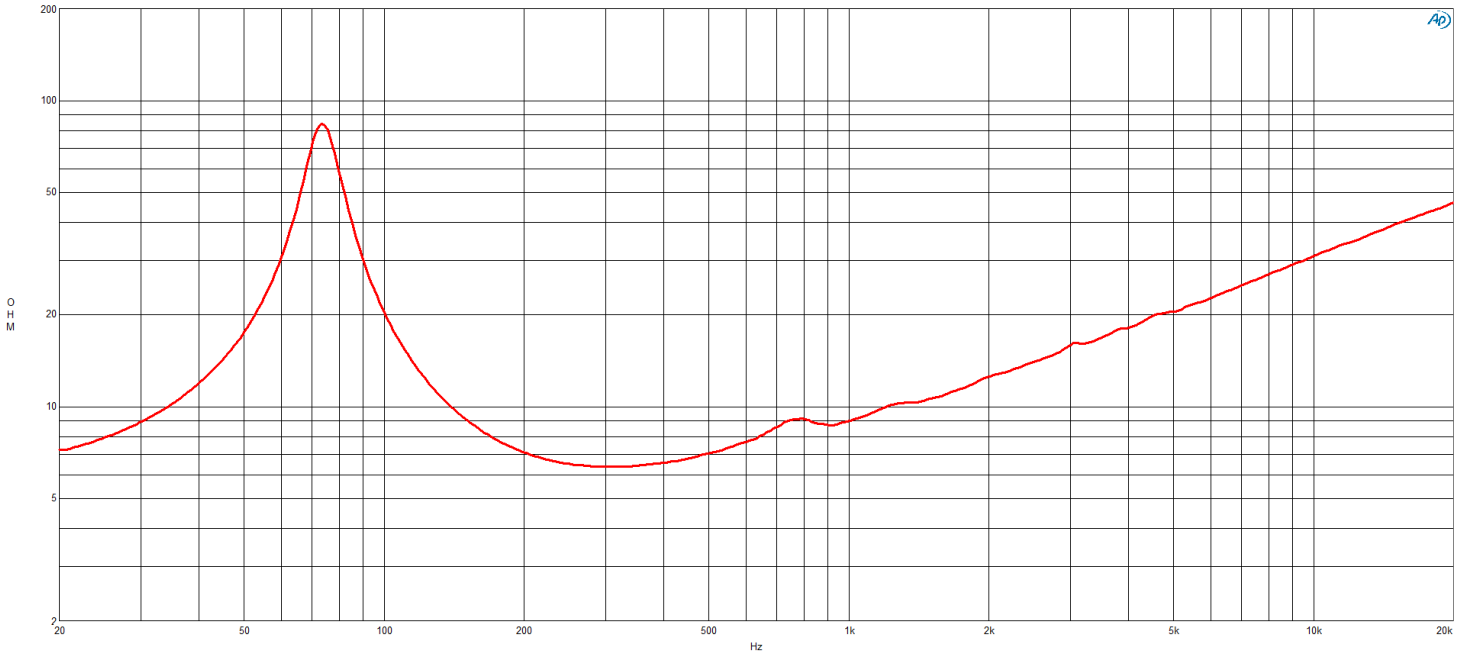

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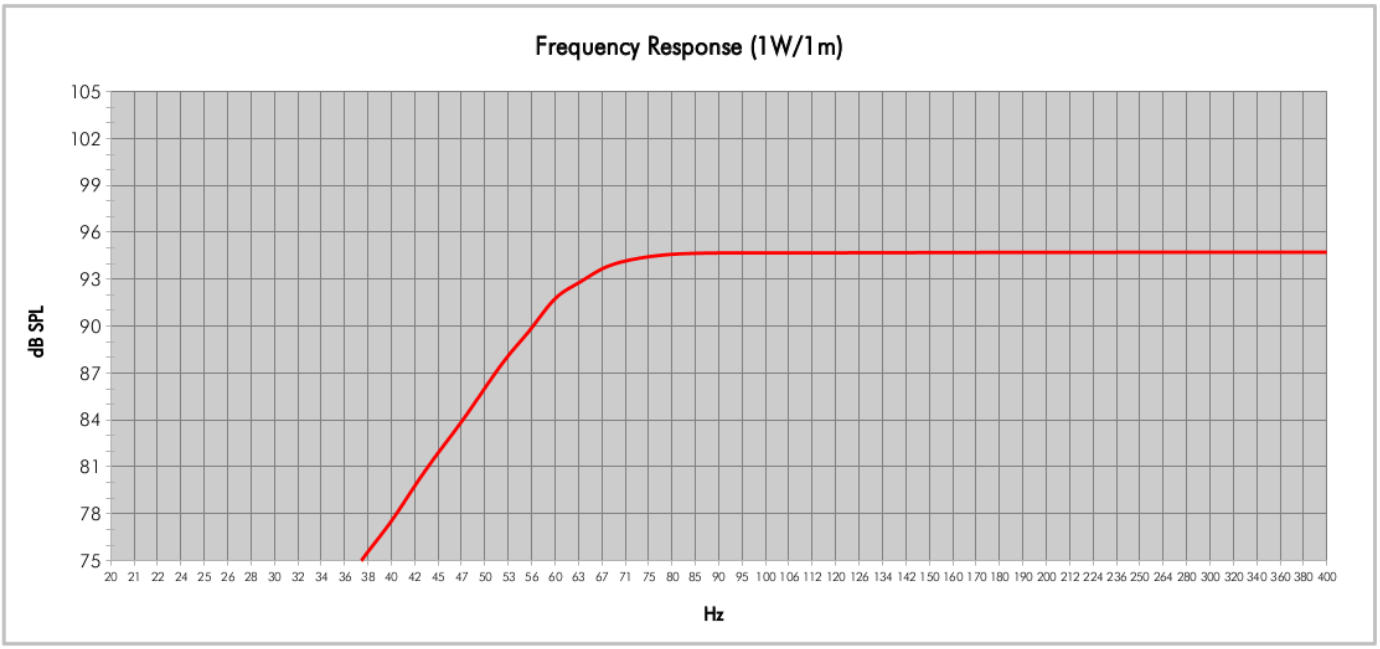

Model:	**10CLA64**		
Enclosure Type:	**Bass Reflex**	Configuration:	**One Driver**
Internal Net Volume (Litres):	**29**	QB:	**7**
Tuning Frequency (Hz):	**65**	Port Area (cm²):	**90,0**
Frequency (-3 dB) (Hz):	**59,9**	Port Length (cm):	**12,7**
Frequency (-10 dB) (Hz):	**48,3**		

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