

8CLA64 8 Ω

Woofers

- 500 W continuous program power capacity
- 64 mm (2.5 in) copper voice coil
- 70 - 4000 Hz response
- 96 dB sensitivity
- Neodymium magnet allows a very light yet powerful motor assembly
- Ventilated voice coil gap for reduced power compression

The 8CLA64 are one of the more recent additions to the cost effective and popular CL Series series of neodymium woofers. Featuring aluminum voice coils and a ventilated voice coil gap the 8CLA64 are a perfect fit for cost sensitive line array or point-source applications.



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SPECIFICATIONS

Nominal Diameter	200 mm (8 in)
Nominal Impedance	8 Ω
Minimum Impedance	6.5 Ω
Nominal Power Handling	250 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	500 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	70 Hz - 4000 Hz
Voice Coil Diameter	64 mm (2.5 in)
Winding Material	Aluminium
Former Material	SV Kraft
Winding Depth	14.5 mm (0.57 in)
Magnetic Gap Depth	8 mm (0.31 in)
Flux Density	1.2 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	71 Hz
Re	5.6 Ω
Qes	0.25
Qms	7.3
Qts	0.24
Vas	12.5 dm³ (0.44 ft³)
Sd	220 cm² (34.1 in²)
η0	1.8 %
Xmax	5.3 mm
Xvar	6.6 mm
Mms	27 g
Bl	16.4 Tm
Le	1 mH
EBP	284 Hz

DESIGN

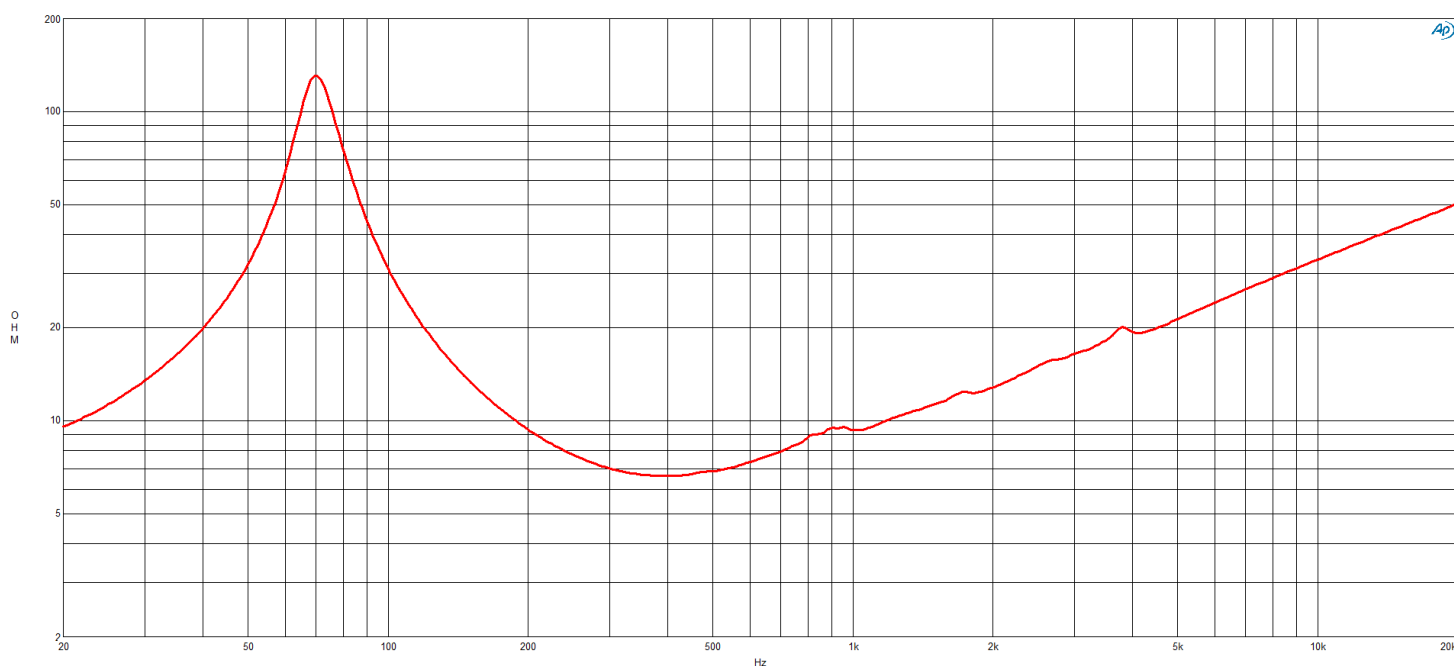
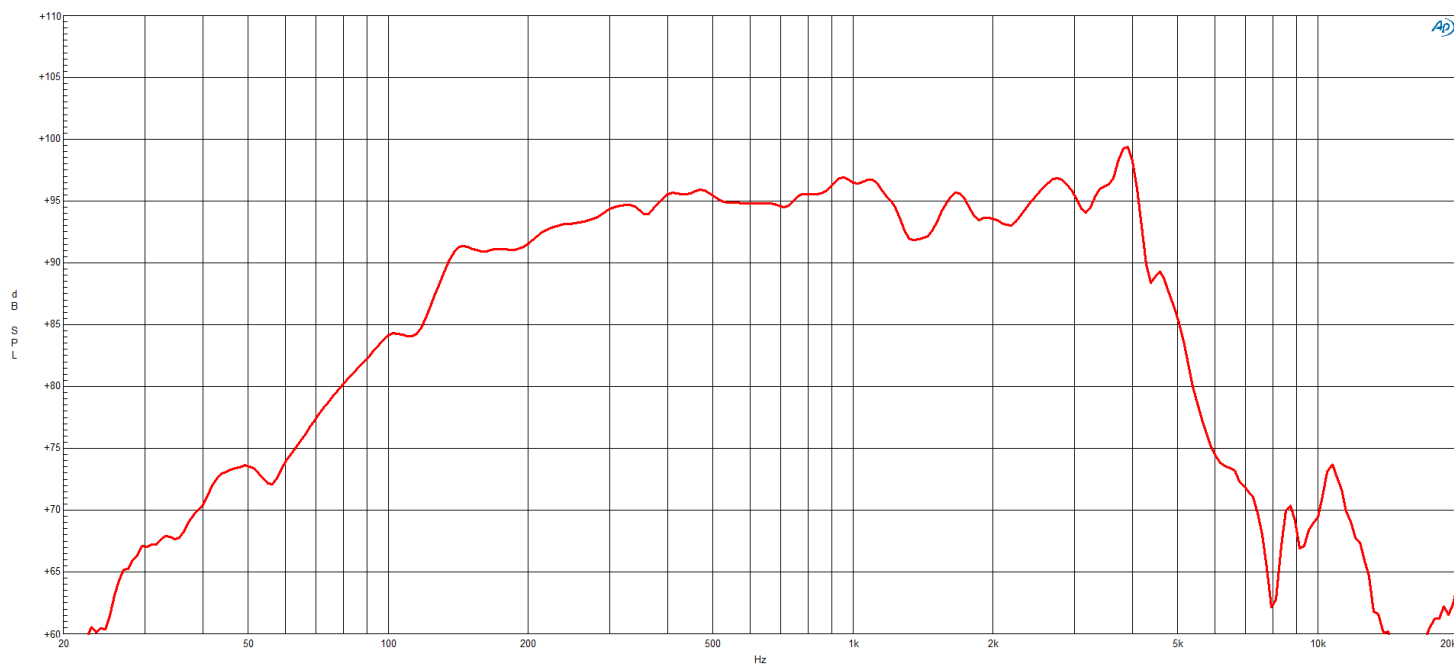
Surround Shape	Double Roll
Cone Shape	Curvilinear
Magnet Material	Neodymium Inside Slug
Spider	Single
Pole Design	Straight Pole
Woofer Cone Treatment	WP Waterproof Front Side
Recommended Loading	Vented Box

MOUNTING AND SHIPPING INFO

Overall Diameter	209 mm (8.23 in)
Bolt Circle Diameter	198 mm (7.8 in)
Baffle Cutout Diameter	185 mm (7.3 in)
Depth	95 mm (3.74 in)
Flange and Gasket Thickness	9 mm (0.35 in)
Air Volume Occupied by Driver	1.1 dm³ (0.04 ft³)
Net Weight	1.7 kg (3.75 lb)

SERVICE KITS

LF recone-kits	RCK008CLA648
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LF Drivers

Ø 8 inches

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