21DS115 4 Ω

Subwoofer

- 3400 W continuous program power capacity
- 116 mm (4.5 in) four layer aluminum voice coil
- 30 - 500 Hz response
- 100 dB sensitivity
- Excursion optimized lead wires (woven through spider)
- Double silicone spider with optimized compliance
- Ventilated voice coil gap for reduced power compression
- Aluminium demodulating ring for very low distortion

This next evolution subwoofer uses a new, longer, four layer aluminum voice coil. The result is more energy in the gap, less heat, higher sensitivity, higher power handling, lower distortion and better overall performance. The 21DS115 features a 36 mm long, 4.5 inch diameter (116mm) Copper Clad Aluminum Wire voice coil. With a 1700watt AES power rating, 100 dB sensitivity, and 15 mm of Xmax, this high energy subwoofer is a significant step forward from similar models in the B&C range, even approaching the performance of our 6” voice coil alternatives.





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

Nominal Diameter	**530 mm (21 in)**
Nominal Impedance	**4 Ω**
Minimum Impedance	**3.1 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.	**1700 W**
Continuous Power Handling Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	**3400 W**
Sensitivity Applied RMS Voltage is set to 2 V for 4 ohms Nominal Impedance.	**100 dB**
Frequency Range	**30 Hz - 500 Hz**
Voice Coil Diameter	**116 mm (4.5 in)**
Winding Material	**Aluminium**
Former Material	**Glass Fibre**
Winding Depth	**36 mm (1.42 in)**
Magnetic Gap Depth	**14 mm (0.55 in)**
Flux Density	**0.8 T**
Woofer Cone Treatment	**TWP Waterproof Both Sides**

PARAMETERS

** Update March 2026 **

Fs	**32 Hz**
Re	**2.1 Ω**
Qes	**0.22**
Qms	**9.8**
Qts	**0.21**
Vas	**219 dm³ (7.73 ft³)**
Sd	**1620 cm² (251.1 in²)**
η0	**3.3 %**
Xmax	**15 mm**
Xvar	**11.5 mm**
Mms	**409 g**
Bl	**28.6 Tm**
Le	**2.3 mH**
EBP	**145 Hz**

DESIGN

Surround Shape	**Triple Roll**
Cone Shape	**Radial**
Magnet Material	**Neodymium Inside Slug**
Spider	**Double Silicone**
Pole Design	**T-Pole**
Woofer Cone Treatment	**TWP Waterproof Both Sides**
Recommended Enclosure	**130 dm³ (4.59 ft³)**
Recommended Tuning	**40 Hz**

MOUNTING AND SHIPPING INFO

Overall Diameter	**547 mm (21.54 in)**
Bolt Circle Diameter	**527 mm (20.7 in)**
Baffle Cutout Diameter	**508 mm (20 in)**
Depth	**255 mm (10.04 in)**
Flange and Gasket Thickness	**13 mm (0.51 in)**
Air Volume Occupied by Driver	**15 dm³ (0.53 ft³)**
Net Weight	**14.7 kg (32.41 lb)**
Shipping Units	**1 pcs**
Shipping Weight	**17 kg (37.48 lb)**
Shipping Box	**570x570x320 mm (22.44x22.44x12.60 in)**

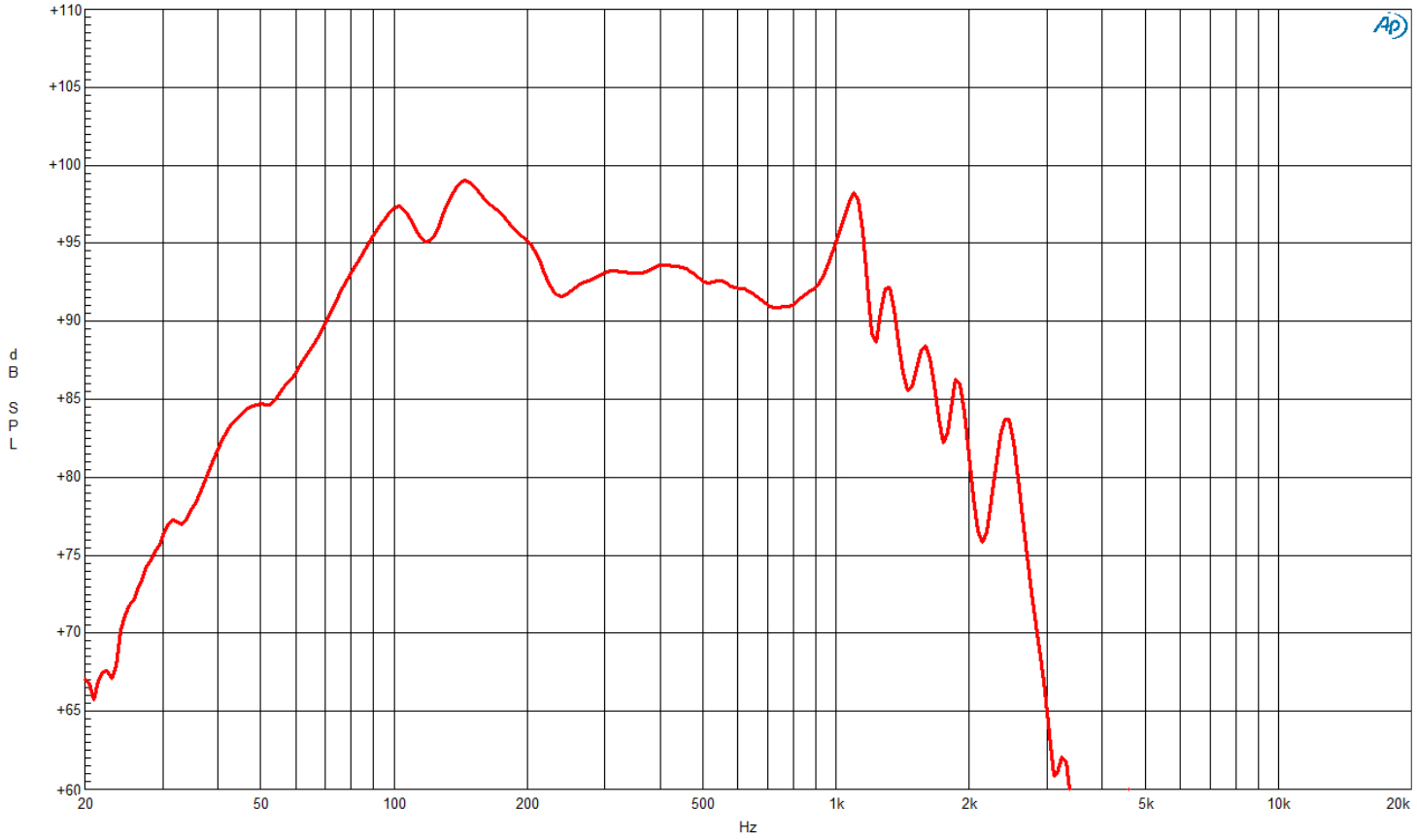
SERVICE KITS

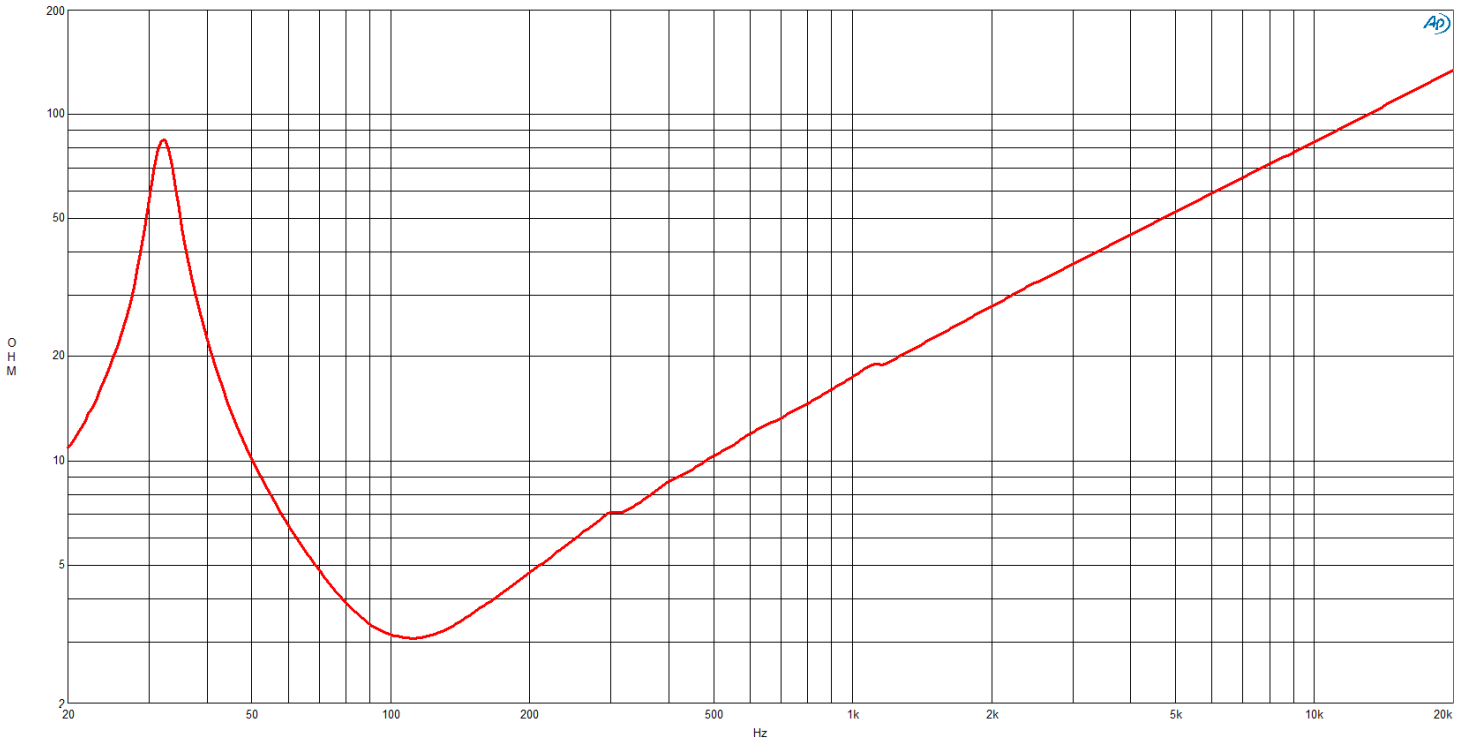
LF recone-kits	**RCK21DS1154**

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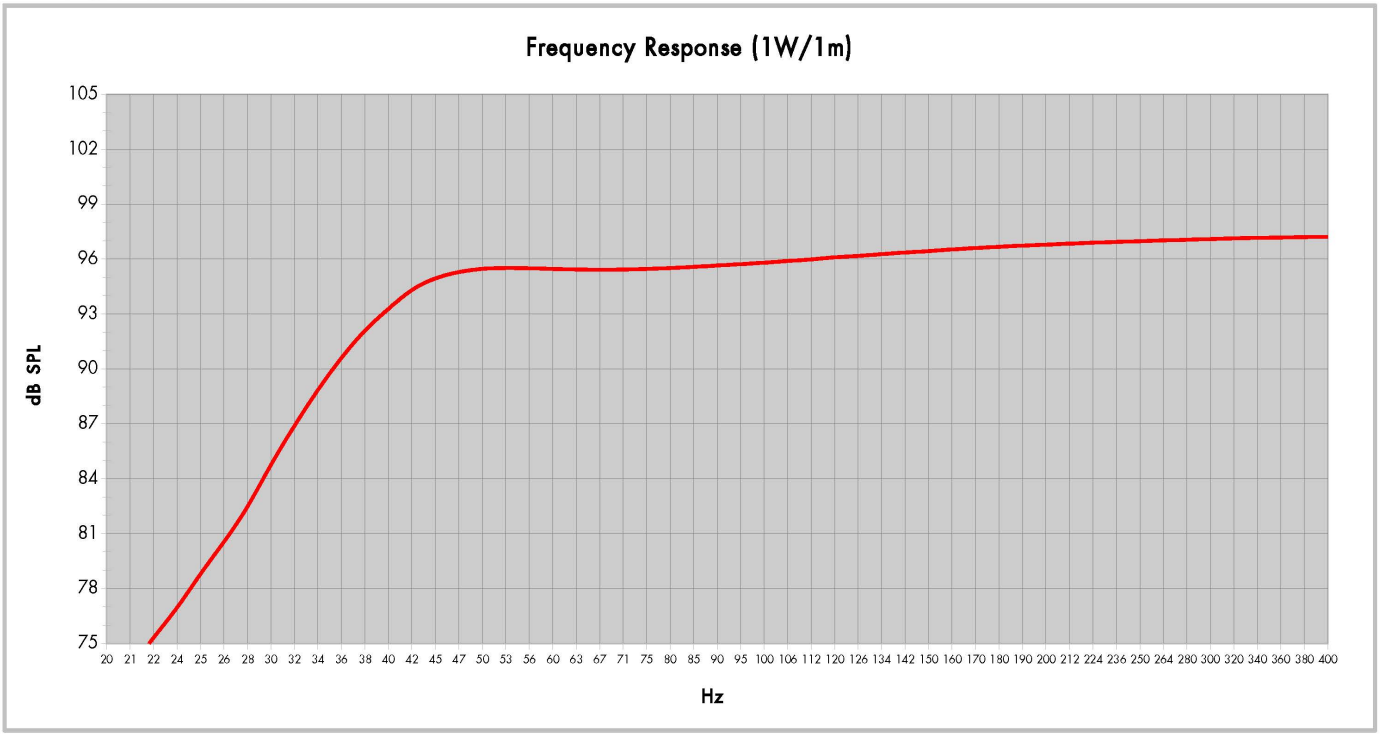




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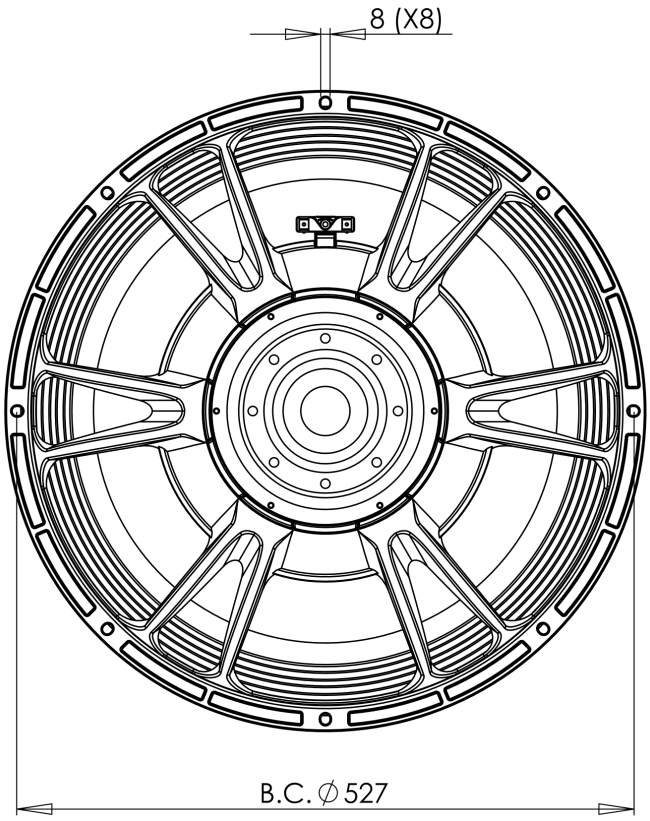


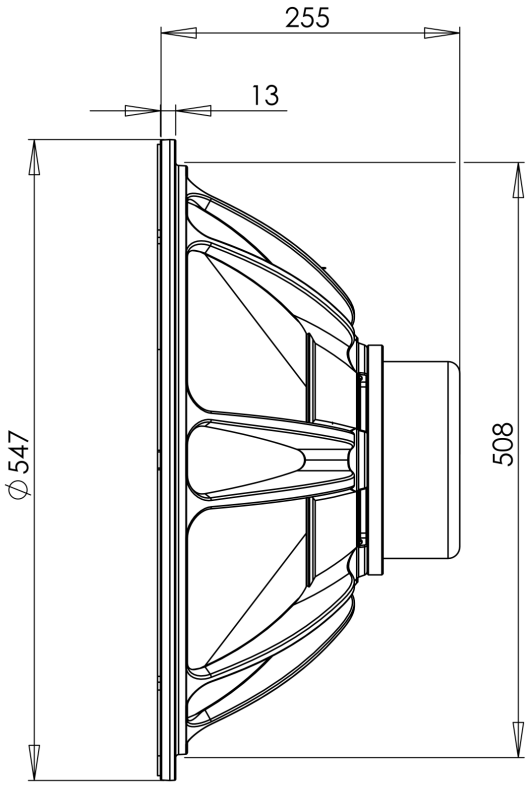
Model:	**21DS115**		
Enclosure Type:	**Bass Reflex**	Configuration:	**One Driver**
Internal Net Volume (Litres):	**130**	QB:	**7**
Tuning Frequency (Hz):	**40**	Port Area (cm^2):	**333,0**
Frequency (-3 dB) (Hz):	**42,7**	Port Length (cm):	**30,2**
Frequency (-10 dB) (Hz):	**32,5**		

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